

**New York State Department of Environmental Conservation  
Division of Environmental Remediation**

Remedial Bureau A

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Erin M. Crotty  
Commissioner

September 1, 2004

Barry S. Cohen, Esq.  
Certilman Balin Adler & Hyman, LLP  
1393 Veterans Memorial Hwy, Suite 301S  
Hauppauge, New York 11788

Subject: New Cassel Industrial Area Sites, Operable Unit No. 3

Dear Mr. Cohen:

Enclosed are, as you requested to Ms. Tamuno, Esq., copies of the following documents:

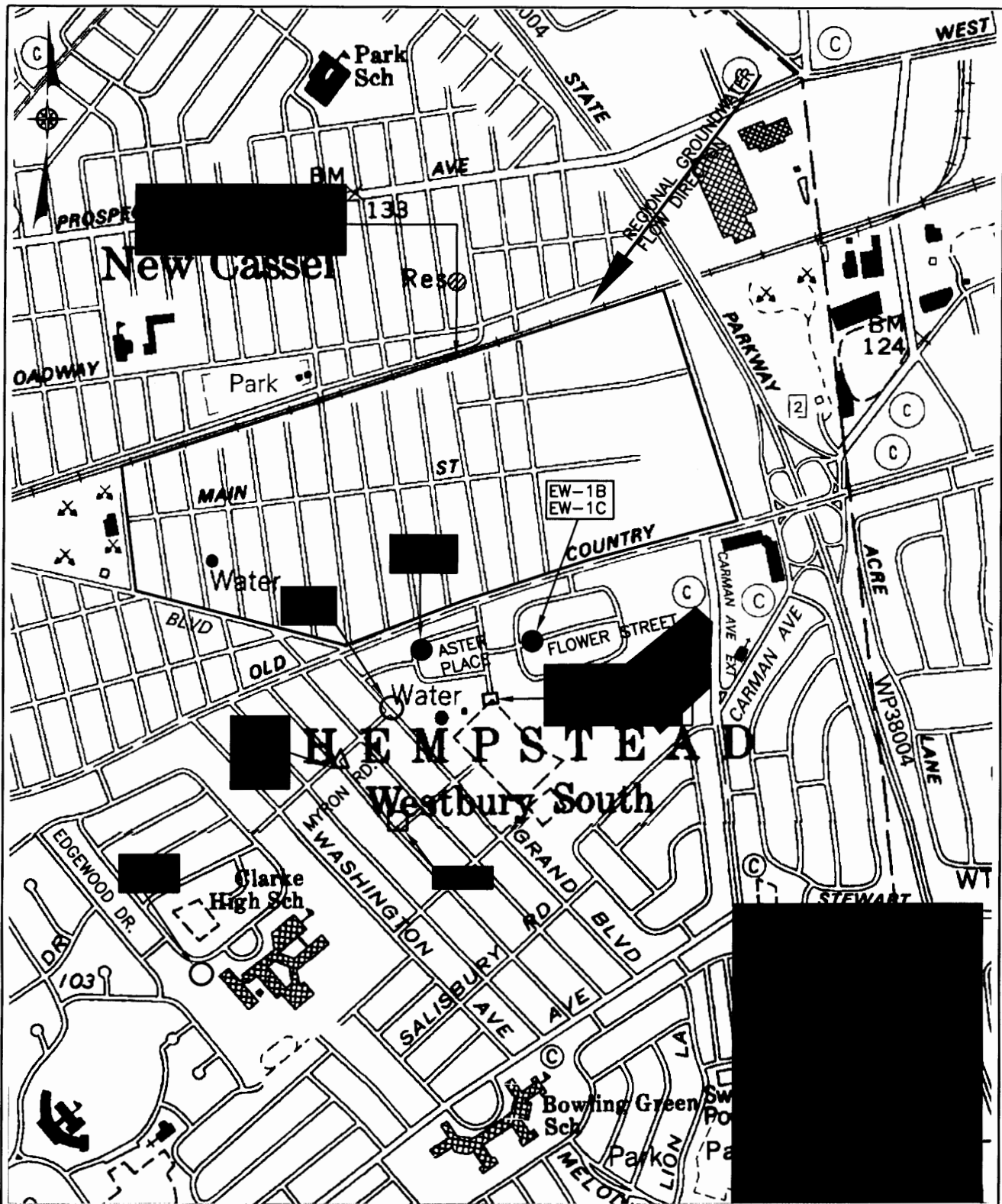
- Off-site groundwater monitoring results, Table 1 and Table 2, dated May 5, 2004, along with Figure 1 which depicts sample locations. These represent all OU3 post-Record of Decision groundwater data in the possession of the Division of Environmental Remediation.
- Multi-site PSA Report, New Cassel Industrial Area Site, dated March 1996

Sincerely,

Guy T. Bobersky, P.E.  
Chief, Remedial Section A

Enclosures/2/

cc w/enc: A. Tamuno, DEE  
J. Hussey, OAG



NEW CASSEL INDUSTRIAL AREA  
OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM

### EARLY WARNING WELL AND MONITORING WELL LOCATIONS



Dvirka and Bartilucci  
Consulting Engineers  
A Division of William F. Cosulich Associates, P.C.

FIGURE 1

**Table 1**

**NEW CASSEL INDUSTRIAL AREA  
OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM  
SUMMARY OF PURGE WATER PARAMETER DATA  
(ROUND 10)**

| <b>Well Number</b> | <b>Gallons</b> | <b>pH<br/>(standard units)</b> | <b>Temperature<br/>(°C)</b> | <b>Specific Conductivity<br/>(ms/cm)</b> | <b>Turbidity<br/>(NTUs)</b> | <b>Dissolved Oxygen<br/>(mg/l)</b> | <b>Eh<br/>(mv)</b> |
|--------------------|----------------|--------------------------------|-----------------------------|------------------------------------------|-----------------------------|------------------------------------|--------------------|
| EW-1B              | Initial        | 4.96                           | 15.51                       | 1.45                                     | 96.6                        | 1.16                               | 404                |
|                    | 10             | 4.97                           | 15.67                       | 0.348                                    | 5.3                         | 0.58                               | 392                |
|                    | 20             | 4.75                           | 15.71                       | 0.310                                    | 3.1                         | 0.51                               | 379                |
|                    | 30             | 4.72                           | 15.73                       | 0.287                                    | 10.4                        | 0.48                               | 354                |
|                    | 40             | 4.72                           | 15.73                       | 0.272                                    | 1.0                         | 0.46                               | 345                |
|                    | 50             | 4.72                           | 15.73                       | 0.270                                    | 1.0                         | 0.45                               | 340                |
|                    | 60             | 4.71                           | 15.73                       | 0.270                                    | 1.0                         | 0.44                               | 339                |
| EW-1C              | Initial        | 5.75                           | 14.69                       | 0.565                                    | 49.5                        | 4.32                               | 343                |
|                    | 200            | 8.89                           | 13.09                       | 0.280                                    | 76.8                        | 0.44                               | 117                |
|                    | 400            | 8.55                           | 12.80                       | 0.200                                    | 225                         | 0.58                               | -16                |
|                    | 600            | 7.72                           | 12.57                       | 0.117                                    | 468                         | 4.33                               | 109                |
|                    | 800            | 6.91                           | 12.47                       | 0.112                                    | 222                         | 4.90                               | 227                |
|                    | 1,000          | 6.26                           | 12.40                       | 0.109                                    | 187                         | 5.08                               | 291                |
|                    | 1,200          | 5.77                           | 12.33                       | 0.109                                    | 88.1                        | 5.23                               | 333                |
|                    | 1,400          | 5.62                           | 12.31                       | 0.108                                    | 74.3                        | 5.27                               | 349                |
|                    | 1,600          | 5.52                           | 12.28                       | 0.108                                    | 62.5                        | 5.39                               | 359                |
| EW-2B              | Initial        | 5.54                           | 15.35                       | 0.149                                    | 28.7                        | 0.82                               | 323                |
|                    | 10             | 4.56                           | 15.36                       | 0.144                                    | 13.1                        | 0.58                               | 311                |
|                    | 20             | 4.57                           | 15.36                       | 0.144                                    | 12.7                        | 0.44                               | 306                |
|                    | 30             | 4.56                           | 15.35                       | 0.143                                    | 13.0                        | 0.42                               | 304                |
|                    | 40             | 4.58                           | 15.35                       | 0.143                                    | 7.0                         | 0.41                               | 300                |
|                    | 50             | 4.57                           | 15.35                       | 0.143                                    | 5.1                         | 0.40                               | 297                |
| EW-2C              | Initial        | 6.81                           | 14.99                       | 0.064                                    | 40.7                        | 2.23                               | 286                |
|                    | 200            | 8.20                           | 13.96                       | 0.063                                    | 1.2                         | 0.51                               | -133               |
|                    | 400            | 7.24                           | 13.43                       | 0.062                                    | 479                         | 1.47                               | -59                |
|                    | 600            | 5.90                           | 13.19                       | 0.060                                    | 611                         | 4.68                               | 222                |
|                    | 800            | 5.40                           | 12.99                       | 0.059                                    | 163                         | 5.40                               | 301                |
|                    | 1,000          | 5.20                           | 12.92                       | 0.059                                    | 120                         | 5.64                               | 333                |
|                    | 1,200          | 5.16                           | 12.90                       | 0.059                                    | 112                         | 5.71                               | 337                |
|                    | 1,400          | 5.13                           | 12.86                       | 0.059                                    | 106                         | 5.76                               | 352                |
|                    | 1,600          | 5.12                           | 12.83                       | 0.059                                    | 100                         | 5.80                               | 359                |

**Table 1 (continued)**

**NEW CASSEL INDUSTRIAL AREA  
OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM  
SUMMARY OF PURGE WATER PARAMETER DATA  
(ROUND 10)**

| <b>Well Number</b> | <b>Gallons</b> | <b>pH<br/>(standard units)</b> | <b>Temperature<br/>(°C)</b> | <b>Specific Conductivity<br/>(ms/cm)</b> | <b>Turbidity<br/>(NTUs)</b> | <b>Dissolved Oxygen<br/>(mg/l)</b> | <b>Eh<br/>(mv)</b> |
|--------------------|----------------|--------------------------------|-----------------------------|------------------------------------------|-----------------------------|------------------------------------|--------------------|
| MW-1               | Initial        | 4.60                           | 15.19                       | 0.257                                    | 55.6                        | 1.40                               | 261                |
|                    | 5              | 4.75                           | 15.16                       | 0.272                                    | 20.1                        | 2.27                               | 291                |
|                    | 10             | 4.57                           | 15.22                       | 0.282                                    | 15.7                        | 2.70                               | 338                |
|                    | 15             | 4.56                           | 15.28                       | 0.283                                    | 8.0                         | 2.78                               | 349                |
|                    | 20             | 4.54                           | 15.23                       | 0.286                                    | 10.5                        | 2.90                               | 374                |
|                    | 25             | 4.56                           | 15.21                       | 0.286                                    | 20.1                        | 2.91                               | 384                |
|                    | 30             | 4.54                           | 15.23                       | 0.287                                    | 10.1                        | 2.93                               | 411                |
| MW-2               | Initial        | 5.07                           | 14.89                       | 0.253                                    | 20.1                        | 1.62                               | 268                |
|                    | 5              | 5.03                           | 15.11                       | 0.243                                    | 45.1                        | 0.85                               | 258                |
|                    | 10             | 5.01                           | 15.23                       | 0.237                                    | 12.5                        | 0.47                               | 252                |
|                    | 15             | 4.99                           | 15.23                       | 0.235                                    | 2.5                         | 0.44                               | 247                |
|                    | 20             | 4.97                           | 15.23                       | 0.233                                    | 1.0                         | 0.44                               | 243                |
|                    | 25             | 4.98                           | 15.27                       | 0.232                                    | 1.0                         | 0.45                               | 240                |
|                    | 30             | 4.97                           | 15.43                       | 0.230                                    | 1.0                         | 0.43                               | 236                |
|                    | 35             | 4.97                           | 15.43                       | 0.229                                    | 1.0                         | 0.41                               | 237                |
|                    | 40             | 4.97                           | 15.39                       | 0.228                                    | 1.0                         | 0.42                               | 231                |
| MW-3               | Initial        | 3.62                           | 14.84                       | 0.098                                    | 5.1                         | 1.15                               | 331                |
|                    | 10             | 3.67                           | 15.20                       | 0.098                                    | 45.1                        | 0.58                               | 300                |
|                    | 20             | 3.73                           | 15.25                       | 0.137                                    | 30.5                        | 0.51                               | 294                |
|                    | 30             | 3.88                           | 15.35                       | 0.168                                    | 15.7                        | 0.47                               | 285                |
|                    | 40             | 3.91                           | 15.19                       | 0.176                                    | 1.8                         | 0.51                               | 284                |
|                    | 50             | 4.07                           | 15.25                       | 0.172                                    | 0.1                         | 0.54                               | 277                |
|                    | 60             | 4.04                           | 15.27                       | 0.170                                    | 0.1                         | 0.54                               | 275                |
| MW-4               | Initial        | 4.58                           | 15.20                       | 0.223                                    | 15.7                        | 3.30                               | 469                |
|                    | 50             | 4.59                           | 15.74                       | 0.229                                    | 9.8                         | 0.51                               | 438                |
|                    | 100            | 4.59                           | 15.70                       | 0.225                                    | 7.5                         | 0.48                               | 428                |
|                    | 150            | 4.61                           | 15.74                       | 0.223                                    | 0.1                         | 0.48                               | 410                |
|                    | 200            | 4.60                           | 15.75                       | 0.223                                    | 1.5                         | 0.46                               | 399                |
|                    | 250            | 4.62                           | 15.76                       | 0.222                                    | 1.7                         | 0.44                               | 383                |
|                    | 300            | 4.62                           | 15.76                       | 0.222                                    | 1.0                         | 0.44                               | 373                |
|                    | 350            | 4.62                           | 15.74                       | 0.222                                    | 1.0                         | 0.44                               | 353                |
|                    | 400            | 4.63                           | 15.74                       | 0.222                                    | 1.0                         | 0.44                               | 346                |

Table 1 (continued)

**NEW CASSEL INDUSTRIAL AREA  
OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM  
SUMMARY OF PURGE WATER PARAMETER DATA  
(ROUND 10)**

| Well Number | Gallons | pH (standard units) | Temperature (°C) | Specific Conductivity (ms/cm) | Turbidity (NTUs) | Dissolved Oxygen (mg/l) | Eh (mv) |
|-------------|---------|---------------------|------------------|-------------------------------|------------------|-------------------------|---------|
| MW-5        | Initial | 5.95                | 14.16            | 0.117                         | 5.8              | 2.54                    | 365     |
|             | 5       | 4.66                | 14.70            | 0.240                         | 1.1              | 3.70                    | 358     |
|             | 10      | 4.66                | 14.72            | 0.246                         | 6.5              | 3.65                    | 361     |
|             | 15      | 4.64                | 14.71            | 0.248                         | 2.4              | 3.59                    | 350     |
|             | 20      | 4.65                | 14.70            | 0.250                         | 4.1              | 3.56                    | 347     |
|             | 25      | 4.64                | 14.57            | 0.251                         | 6.1              | 3.56                    | 339     |
|             | 30      | 4.65                | 14.68            | 0.252                         | 7.4              | 3.54                    | 331     |
| MW-6        | Initial | 4.89                | 13.89            | 0.407                         | 20.1             | 3.01                    | 435     |
|             | 10      | 4.75                | 14.88            | 0.405                         | 11.5             | 0.71                    | 450     |
|             | 20      | 4.77                | 14.91            | 0.398                         | 1.5              | 0.51                    | 448     |
|             | 30      | 4.79                | 14.91            | 0.394                         | 1.1              | 0.49                    | 440     |
|             | 40      | 4.78                | 14.87            | 0.393                         | 0.4              | 0.47                    | 435     |
|             | 50      | 4.79                | 14.87            | 0.392                         | 0.3              | 0.46                    | 427     |
| MW-7        | Initial | 4.03                | 13.36            | 0.148                         | 176              | 3.19                    | 401     |
|             | 5       | 4.05                | 13.36            | 0.148                         | 22.2             | 2.60                    | 379     |
|             | 10      | 4.06                | 13.34            | 0.148                         | 1.2              | 2.59                    | 354     |
|             | 15      | 4.07                | 13.32            | 0.148                         | 2.1              | 2.62                    | 350     |
|             | 20      | 4.07                | 13.33            | 0.148                         | 2.4              | 2.64                    | 330     |
|             | 25      | 4.07                | 13.33            | 0.148                         | 1.5              | 2.62                    | 274     |
|             | 30      | 4.07                | 13.32            | 0.148                         | 2.6              | 2.64                    | 320     |
| MW-8        | Initial | 4.49                | 13.25            | 0.180                         | 1.8              | 0.78                    | 357     |
|             | 10      | 4.53                | 13.41            | 0.178                         | 57.0             | 0.85                    | 325     |
|             | 20      | 4.57                | 13.38            | 0.172                         | 54.0             | 1.19                    | 278     |
|             | 30      | 4.79                | 12.51            | 0.174                         | 13.0             | 1.32                    | 250     |
|             | 40      | 4.50                | 13.49            | 0.172                         | 0.7              | 2.06                    | 241     |
|             | 50      | 4.52                | 13.49            | 0.172                         | 2.0              | 2.10                    | 231     |
|             | 60      | 4.52                | 13.51            | 0.172                         | 2.6              | 2.16                    | 227     |
| MW-9        | Initial | 7.01                | 14.06            | 0.160                         | 53.5             | 6.34                    | 359     |
|             | 100     | 7.03                | 13.89            | 0.151                         | 29.1             | 6.01                    | 408     |
|             | 200     | 7.03                | 13.44            | 0.155                         | 10.1             | 5.44                    | 418     |
|             | 300     | 6.84                | 13.36            | 0.145                         | 5.8              | 5.39                    | 420     |
|             | 400     | 5.56                | 13.31            | 0.104                         | 3.5              | 5.61                    | 428     |
|             | 500     | 6.64                | 13.29            | 0.100                         | 2.3              | 5.23                    | 434     |
|             | 600     | 5.15                | 13.31            | 0.098                         | 3.1              | 5.20                    | 439     |
|             | 700     | 5.14                | 13.28            | 0.098                         | 3.2              | 5.18                    | 445     |

**TABLE 2**  
**NEW CASSEL INDUSTRIAL AREA**  
**OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM**  
**MONITORING WELL SAMPLE RESULTS**  
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification        | EW-1B        | EW-1B       | EW-1B         | EW-1B        | EW-1B         | EW-1B        | EW-1B         | EW-1B         | Contract  | NYSDEC Class GA |
|------------------------------|--------------|-------------|---------------|--------------|---------------|--------------|---------------|---------------|-----------|-----------------|
| Sample Depth, ft             | 154-164      | 154-164     | 154-164       | 154-164      | 154-164       | 154-164      | 154-164       | 154-164       | Required  | Groundwater     |
| Date of Collection           | 09/25/01     | 01/28/02    | 04/25/02      | 07/18/02     | 10/16/02      | 01/29/03     | 05/08/03      | 07/30/03      | Detection | Standard or     |
| Dilution Factor              | 1.0          | 50.0        | 1.0           | 1.0          | 1.0           | 1.0          | 1.0           | 1.0           | Limit     | Guidance Value  |
| Units                        | (ug/l)       | (ug/l)      | (ug/l)        | (ug/l)       | (ug/l)        | (ug/l)       | (ug/l)        | (ug/l)        | (ug/l)    | (ug/l)          |
| Dichlorodifluoromethane      | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 5 ST            |
| Chloromethane                | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 5 ST            |
| Vinyl Chloride               | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 2 ST            |
| Bromomethane                 | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 5 ST            |
| Chloroethane                 | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 5 ST            |
| Fluorotrichloromethane       | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 5 ST            |
| 1,1-Dichloroethene           | 39           | 45          | 39            | 38           | 47 D          | 31           | 31            | 28            | 0.5       | 5 ST            |
| Methylene Chloride           | U            | 26          | U             | U            | U             | U            | U             | U             | 0.5       | 5 ST            |
| trans-1,2-Dichloroethene     | 0.6          | U           | U             | 0.8          | U             | 0.7          | 0.51          | 0.52          | 0.5       | 5 ST            |
| 1,1-Dichloroethane           | 3.8          | U           | 19            | 7            | 8             | 8            | 4.5           | 3.1           | 0.5       | 5 ST            |
| 2,2-Dichloropropane          | **           | U           | U             | U            | U             | U            | U             | U             | 0.5       | 5 ST            |
| cis-1,2-Dichloroethene       | 58 **D       | 87          | 64 D          | 44 D         | 68 D          | 53 D         | 50 D          | 39            | 0.5       | 5 ST            |
| Chloroform                   | U            | U           | 0.3 J         | U            | 9             | U            | U             | U             | 0.5       | 7 ST            |
| Bromochloromethane           | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 5 ST            |
| 1,1,1-Trichloroethane        | 40           | 59          | 52 D          | 41 D         | 59 D          | 34 D         | 40 D          | 31            | 0.5       | 5 ST            |
| 1,1-Dichloropropene          | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 5 ST            |
| Carbon Tetrachloride         | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 5 ST            |
| 1,2-Dichloroethane           | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 0.6 ST          |
| Trichloroethene              | 66 D         | 120         | 91 D          | 67 D         | 87 D          | 64 D         | 71 D          | 40 D          | 0.5       | 5 ST            |
| 1,2-Dichloropropane          | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 1 ST            |
| Bromodichloromethane         | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 50GV            |
| Dibromomethane               | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 5 ST            |
| cis-1,3-Dichloropropene      | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 0.4 ST *        |
| trans-1,3-Dichloropropene    | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 0.4 ST *        |
| 1,1,2-Trichloroethane        | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 1 ST            |
| 1,3-Dichloropropane          | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 5 ST            |
| Tetrachloroethene            | 630 D        | 1000        | 780 D         | 640 D        | 830 D         | 470 D        | 670 D         | 420 D         | 0.5       | 5 ST            |
| Dibromochloromethane         | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 50GV            |
| Chlorobenzene                | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 5 ST            |
| 1,1,1,2-Tetrachloroethane    | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 5 ST            |
| Bromoform                    | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 50GV            |
| 1,1,2,2-Tetrachloroethane    | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 5 ST            |
| 1,2,3-Trichloropropane       | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 0.04 ST         |
| Bromobenzene                 | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 5 ST            |
| 1,3-Dichlorobenzene          | 1.1          | U           | U             | 2            | 2             | 2            | 1.7           | 1             | 0.5       | 3 ST            |
| 1,4-Dichlorobenzene          | 0.7          | U           | 0.8           | 0.9          | U             | 0.9          | 0.86          | U             | 0.5       | 3 ST            |
| 1,2-Dichlorobenzene          | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 3 ST            |
| 1,2,4-Trichlorobenzene       | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 5 ST            |
| Hexchlorobutadiene           | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 0.5 ST          |
| 1,2,3-Trichlorobenzene       | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 5 ST            |
| Methyl-tert-butyl ether      | U            | U           | U             | U            | U             | U            | 0.57          | 1.8           | 0.5       | ---             |
| Benzene                      | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 1 ST            |
| Toluene                      | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 5 ST            |
| Ethylbenzene                 | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 5 ST            |
| m-Xylene                     | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 5 ST            |
| p-Xylene                     | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 5 ST            |
| o-Xylene                     | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 5 ST            |
| Styrene                      | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 5 ST            |
| Isopropylbenzene (Cumene)    | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 5 ST            |
| n-Propylbenzene              | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 5 ST            |
| 1,3,5-Trimethylbenzene       | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 5 ST            |
| 2-Chlorotoluene              | U            | U           | U             | U            | 1             | U            | 1.6           | U             | 0.5       | 5 ST            |
| 4-Chlorotoluene              | U            | U           | U             | U            | U             | 2            | U             | 0.71          | 0.5       | 5 ST            |
| tert-Butylbenzene            | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 5 ST            |
| 1,2,4-Trimethylbenzene       | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 5 ST            |
| sec-Butylbenzene             | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 5 ST            |
| p-Isopropyltoluene(p-Cymene) | U            | U           | U             | U            | 0.8           | U            | U             | U             | 0.5       | 5 ST            |
| n-Butylbenzene               | U            | U           | U             | U            | U             | U            | U             | U             | 0.5       | 5 ST            |
| <b>Total VOCs</b>            | <b>839.2</b> | <b>1337</b> | <b>1037.1</b> | <b>840.7</b> | <b>1111.8</b> | <b>663.6</b> | <b>871.74</b> | <b>565.13</b> |           |                 |

**QUALIFIERS:**

U: Compound analyzed for but not detected  
J: Compound found at a concentration below the CRDL, value estimated  
\*\*: Result reported as a sum of 2,2 -dichloropropane and cis-1,2-dichloroethene  
E: Compound concentration exceeds instrument calibration range, value estimated  
D: Result taken from reanalysis at a secondary dilution

**NOTES:**

\*: Value pertains to the sum of the isomers  
ST: Standard  
GV: Guidance Value  
---: Not established  
☐ Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value

**TABLE 2**  
**NEW CASSEL INDUSTRIAL AREA**  
**OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM**  
**MONITORING WELL SAMPLE RESULTS**  
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification          | EW-1B    | EW-1B    | EW-1B   | EW-1B   | EW-1B   | EW-1B   | EW-1B   | EW-1B   | Contract  | NYSDEC Class GA |
|--------------------------------|----------|----------|---------|---------|---------|---------|---------|---------|-----------|-----------------|
| Sample Depth, ft               | 154-164  | 154-164  | 154-164 | 154-164 | 154-164 | 154-164 | 154-164 | 154-164 | Required  | Groundwater     |
| Date of Collection             | 12/09/03 | 03/10/04 |         |         |         |         |         |         | Detection | Standard or     |
| Dilution Factor                | 1.0      | 1.0      | 1.0     | 1.0     | 1.0     | 1.0     | 1.0     | 1.0     | Limit     | Guidance Value  |
| Units                          | (ug/l)   | (ug/l)   | (ug/l)  | (ug/l)  | (ug/l)  | (ug/l)  | (ug/l)  | (ug/l)  | (ug/l)    | (ug/l)          |
| Dichlorodifluoromethane        | U        | U        |         |         |         |         |         |         | 0.5       | 5 ST            |
| Chloromethane                  | U        | U        |         |         |         |         |         |         | 0.5       | 5 ST            |
| Vinyl Chloride                 | U        | U        |         |         |         |         |         |         | 0.5       | 2 ST            |
| Bromomethane                   | U        | U        |         |         |         |         |         |         | 0.5       | 5 ST            |
| Chloroethane                   | U        | U        |         |         |         |         |         |         | 0.5       | 5 ST            |
| Fluorotrichloromethane         | U        | U        |         |         |         |         |         |         | 0.5       | 5 ST            |
| 1,1-Dichloroethene             | 23       | 19       |         |         |         |         |         |         | 0.5       | 5 ST            |
| Methylene Chloride             | U        | U        |         |         |         |         |         |         | 0.5       | 5 ST            |
| trans-1,2-Dichloroethene       | 0.49 J   | U        |         |         |         |         |         |         | 0.5       | 5 ST            |
| 1,1-Dichloroethane             | 3.5      | 3 J      |         |         |         |         |         |         | 0.5       | 5 ST            |
| 2,2-Dichloropropane            | U        | NA       |         |         |         |         |         |         | 0.5       | 5 ST            |
| cis-1,2-Dichloroethene         | 39       | 38       |         |         |         |         |         |         | 0.5       | 5 ST            |
| Chloroform                     | U        | U        |         |         |         |         |         |         | 0.5       | 7 ST            |
| Bromochloromethane             | U        | NA       |         |         |         |         |         |         | 0.5       | 5 ST            |
| 1,1,1-Trichloroethane          | 28       | 25       |         |         |         |         |         |         | 0.5       | 5 ST            |
| 1,1-Dichloropropene            | U        | NA       |         |         |         |         |         |         | 0.5       | 5 ST            |
| Carbon Tetrachloride           | U*       | U        |         |         |         |         |         |         | 0.5       | 5 ST            |
| 1,2-Dichloroethane             | U*       | U        |         |         |         |         |         |         | 0.5       | 0.6 ST          |
| Trichloroethene                | 39 D     | 48       |         |         |         |         |         |         | 0.5       | 5 ST            |
| 1,2-Dichloropropane            | U        | U        |         |         |         |         |         |         | 0.5       | 1 ST            |
| Bromodichloromethane           | U        | U        |         |         |         |         |         |         | 0.5       | 50GV            |
| Dibromomethane                 | U        | NA       |         |         |         |         |         |         | 0.5       | 5 ST            |
| cis-1,3-Dichloropropene        | U        | U        |         |         |         |         |         |         | 0.5       | 0.4 ST *        |
| trans-1,3-Dichloropropene      | U        | U        |         |         |         |         |         |         | 0.5       | 0.4 ST *        |
| 1,1,2-Trichloroethane          | U        | U        |         |         |         |         |         |         | 0.5       | 1 ST            |
| 1,3-Dichloropropane            | U        | NA       |         |         |         |         |         |         | 0.5       | 5 ST            |
| Tetrachloroethene              | 390 D    | 500 D    |         |         |         |         |         |         | 0.5       | 5 ST            |
| Dibromochloromethane           | U        | U        |         |         |         |         |         |         | 0.5       | 50GV            |
| Chlorobenzene                  | U        | U        |         |         |         |         |         |         | 0.5       | 5 ST            |
| 1,1,1,2-Tetrachloroethane      | U        | NA       |         |         |         |         |         |         | 0.5       | 5 ST            |
| Bromoform                      | U        | U        |         |         |         |         |         |         | 0.5       | 50GV            |
| 1,1,2,2-Tetrachloroethane      | U        | U        |         |         |         |         |         |         | 0.5       | 5 ST            |
| 1,2,3-Trichloropropane         | U        | NA       |         |         |         |         |         |         | 0.5       | 0.04 ST         |
| Bromobenzene                   | U        | NA       |         |         |         |         |         |         | 0.5       | 5 ST            |
| 1,3-Dichlorobenzene            | U        | 0.9 J    |         |         |         |         |         |         | 0.5       | 3 ST            |
| 1,4-Dichlorobenzene            | U        | U        |         |         |         |         |         |         | 0.5       | 3 ST            |
| 1,2-Dichlorobenzene            | U        | U        |         |         |         |         |         |         | 0.5       | 3 ST            |
| 1,2,4-Trichlorobenzene         | U        | U        |         |         |         |         |         |         | 0.5       | 5 ST            |
| Hexachlorobutadiene            | U        | NA       |         |         |         |         |         |         | 0.5       | 0.5 ST          |
| 1,2,3-Trichlorobenzene         | U        | NA       |         |         |         |         |         |         | 0.5       | 5 ST            |
| Methyl-tert-butyl ether        | U        | U        |         |         |         |         |         |         | 0.5       | —               |
| Benzene                        | U        | U        |         |         |         |         |         |         | 0.5       | 1 ST            |
| Toluene                        | U        | U        |         |         |         |         |         |         | 0.5       | 5 ST            |
| Ethylbenzene                   | U        | U        |         |         |         |         |         |         | 0.5       | 5 ST            |
| m-Xylene                       | U        | U        |         |         |         |         |         |         | 0.5       | 5 ST            |
| p-Xylene                       | U        | U        |         |         |         |         |         |         | 0.5       | 5 ST            |
| o-Xylene                       | U        | U        |         |         |         |         |         |         | 0.5       | 5 ST            |
| Styrene                        | U        | U        |         |         |         |         |         |         | 0.5       | 5 ST            |
| Isopropylbenzene (Cumene)      | U        | U        |         |         |         |         |         |         | 0.5       | 5 ST            |
| n-Propylbenzene                | U        | NA       |         |         |         |         |         |         | 0.5       | 5 ST            |
| 1,3,5-Trimethylbenzene         | U        | NA       |         |         |         |         |         |         | 0.5       | 5 ST            |
| 2-Chlorotoluene                | 1.3      | NA       |         |         |         |         |         |         | 0.5       | 5 ST            |
| 4-Chlorotoluene                | 1.1      | NA       |         |         |         |         |         |         | 0.5       | 5 ST            |
| tert-Butylbenzene              | U        | NA       |         |         |         |         |         |         | 0.5       | 5 ST            |
| 1,2,4-Trimethylbenzene         | U        | NA       |         |         |         |         |         |         | 0.5       | 5 ST            |
| sec-Butylbenzene               | 1.4      | NA       |         |         |         |         |         |         | 0.5       | 5 ST            |
| p-Isopropyltoluene(p-Cymene)   | U        | NA       |         |         |         |         |         |         | 0.5       | 5 ST            |
| n-Butylbenzene                 | U        | NA       |         |         |         |         |         |         | 0.5       | 5 ST            |
| 1,1,2-Trichlorotrifluoroethane | NA       | U        |         |         |         |         |         |         | 0.5       | 5 ST            |
| 1,2-Dibromo-3-chloropropane    | NA       | U        |         |         |         |         |         |         | 0.5       | 0.04 ST         |
| 1,2-Dibromoethane              | NA       | U        |         |         |         |         |         |         | 0.5       | 0.0006 ST       |
| 2-Butanone                     | NA       | U        |         |         |         |         |         |         | 0.5       | 50 GV           |
| 2-Hexanone                     | NA       | U        |         |         |         |         |         |         | 0.5       | 50 GV           |
| 4-Methyl-2-pentanone           | NA       | U        |         |         |         |         |         |         | 0.5       | —               |
| Acetone                        | NA       | U        |         |         |         |         |         |         | 0.5       | 50 GV           |
| Carbon Disulfide               | NA       | U        |         |         |         |         |         |         | 0.5       | —               |
| Methyl Acetate                 | NA       | U        |         |         |         |         |         |         | 0.5       | —               |
| Methylcyclohexane              | NA       | U        |         |         |         |         |         |         | 0.5       | —               |
| <b>Total VOCs</b>              | 526.79   | 633.9    | 0       | 0       | 0       | 0       | 0       | 0       |           | —               |

**QUALIFIERS:**

U: Compound analyzed for but not detected  
J: Compound found at a concentration below the CRDL, value estimated  
\*: Result reported as a sum of 2,2-dichloropropane and cis-1,2-dichloroethene  
E: Compound concentration exceeds instrument calibration range, value estimated  
D: Result taken from reanalysis at a secondary dilution  
U\*: Result qualified as non-detect based on validation criteria

**NOTES:**

\*: Value pertains to the sum of the isomers  
ST: Standard  
GV: Guidance Value  
—: Not established  
☐ Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value  
NA: Not Analyzed for

**TABLE 2**  
**NEW CASSEL INDUSTRIAL AREA**  
**OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM**  
**MONITORING WELL SAMPLE RESULTS**  
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification        | EW-1C    | EW-1C    | EW-1C    | EW-1C    | EW-1C    | EW-1C    | EW-1C    | EW-1C    | Contract  | NYSDEC Class GA |
|------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------------|
| Sample Depth, ft             | 506-516  | 506-516  | 506-516  | 506-516  | 506-516  | 506-516  | 506-516  | 506-516  | Required  | Groundwater     |
| Date of Collection           | 09/25/01 | 01/28/02 | 04/25/02 | 07/18/02 | 10/16/02 | 01/29/03 | 05/08/03 | 07/30/03 | Detection | Standard or     |
| Dilution Factor              | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      | Limit     | Guidance Value  |
| Units                        | (ug/l)   | (ug/l)   | (ug/l)   | (ug/l)   | (ug/l)   | (ug/l)   | (ug/l)   | (ug/l)   | (ug/l)    | (ug/l)          |
| Dichlorodifluoromethane      | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| Chloromethane                | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| Vinyl Chloride               | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 2 ST            |
| Bromomethane                 | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| Chloroethane                 | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| Fluorotrichloromethane       | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| 1,1-Dichloroethene           | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| Methylene Chloride           | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| trans-1,2-Dichloroethene     | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| 1,1-Dichloroethane           | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| 2,2-Dichloropropane          | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| cis-1,2-Dichloroethene       | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| Chloroform                   | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 7 ST            |
| Bromochloromethane           | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| 1,1,1-Trichloroethane        | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| 1,1-Dichloropropene          | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| Carbon Tetrachloride         | U        | U        | U        | U        | 0.5      | 0.6      | U        | 0.49 J   | 0.5       | 5 ST            |
| 1,2-Dichloroethane           | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 0.6 ST          |
| Trichloroethene              | 12       | 13       | 15       | 13       | 18       | 21       | 13       | 20       | 0.5       | 5 ST            |
| 1,2-Dichloropropane          | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 1 ST            |
| Bromodichloromethane         | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 50GV            |
| Dibromomethane               | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| cis-1,3-Dichloropropene      | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 0.4 ST*         |
| trans-1,3-Dichloropropene    | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 0.4 ST*         |
| 1,1,2-Trichloroethane        | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 1 ST            |
| 1,3-Dichloropropane          | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| Tetrachloroethene            | U        | 0.6      | 5        | U        | 2        | U        | U        | 0.78     | 0.5       | 5 ST            |
| Dibromochloromethane         | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 50GV            |
| Chlorobenzene                | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| 1,1,1,2-Tetrachloroethane    | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| Bromoform                    | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 50GV            |
| 1,1,2,2-Tetrachloroethane    | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| 1,2,3-Trichloropropane       | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 0.04 ST         |
| Bromobenzene                 | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| 1,3-Dichlorobenzene          | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 3 ST            |
| 1,4-Dichlorobenzene          | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 3 ST            |
| 1,2-Dichlorobenzene          | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 3 ST            |
| 1,2,4-Trichlorobenzene       | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| Hexachlorobutadiene          | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 0.5 ST          |
| 1,2,3-Trichlorobenzene       | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| Methyl-tert-butyl ether      | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | —               |
| Benzene                      | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 1 ST            |
| Toluene                      | U        | U        | U        | U        | U        | U        | U*       | U        | 0.5       | 5 ST            |
| Ethylbenzene                 | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| m-Xylene                     | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| p-Xylene                     | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| o-Xylene                     | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| Styrene                      | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| Isopropylbenzene (Cumene)    | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| n-Propylbenzene              | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| 1,3,5-Trimethylbenzene       | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| 2-Chlorotoluene              | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| 4-Chlorotoluene              | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| tert-Butylbenzene            | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| 1,2,4-Trimethylbenzene       | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| sec-Butylbenzene             | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| p-Isopropyltoluene(p-Cymene) | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| n-Butylbenzene               | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| <b>Total VOCs</b>            | 12       | 13.6     | 20       | 13       | 20.5     | 21.6     | 13       | 21.27    |           | —               |

**QUALIFIERS:**

U: Compound analyzed for but not detected  
J: Compound found at a concentration below the CRDL, value estimated  
\*: Result reported as a sum of 2,2-dichloropropane and cis-1,2-dichloroethene  
E: Compound concentration exceeds instrument calibration range, value estimated  
D: Result taken from reanalysis at a secondary dilution  
B: Compound found in the method blank as well as the sample  
U\*: Result qualified as non-detect based on validation criteria

**NOTES:**

\*: Value pertains to the sum of the isomers  
ST: Standard  
GV: Guidance Value  
---: Not established  
☐ Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value

**TABLE 2**  
**NEW CASSEL INDUSTRIAL AREA**  
**OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM**  
**MONITORING WELL SAMPLE RESULTS**  
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification          | EW-1C<br>506-516 | EW-1C<br>506-516 | EW-1C<br>506-516 | EW-1C<br>506-516 | EW-1C<br>506-516 | EW-1C<br>506-516 | EW-1C<br>506-516 | EW-1C<br>506-516 | EW-1C<br>506-516 | Contract<br>Required<br>Detection<br>Limit<br>(ug/l) | NYSDEC Class GA<br>Groundwater<br>Standard or<br>Guidance Value<br>(ug/l) |
|--------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------------------------------------------|---------------------------------------------------------------------------|
| Sample Depth, ft               | 12/11/03         | 03/10/04         |                  |                  |                  |                  |                  |                  |                  |                                                      |                                                                           |
| Date of Collection             | 1.0              | 1.0              | 1.0              | 1.0              | 1.0              | 1.0              | 1.0              | 1.0              | 1.0              |                                                      |                                                                           |
| Dilution Factor                | (ug/l)           | (ug/l)           | (ug/l)           | (ug/l)           | (ug/l)           | (ug/l)           | (ug/l)           | (ug/l)           | (ug/l)           |                                                      |                                                                           |
| Units                          |                  |                  |                  |                  |                  |                  |                  |                  |                  |                                                      |                                                                           |
| Dichlorodifluoromethane        | U                | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| Chloromethane                  | U                | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| Vinyl Chloride                 | U                | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 2 ST                                                                      |
| Bromomethane                   | U                | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| Chloroethane                   | U                | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| Fluorotrichloromethane         | U                | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| 1,1-Dichloroethene             | U                | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| Methylene Chloride             | U                | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| trans-1,2-Dichloroethene       | U                | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| 1,1-Dichloroethane             | U                | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| 2,2-Dichloropropane            | U                | NA               |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| cis-1,2-Dichloroethene         | U                | 0.2 J            |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| Chloroform                     | U                | 0.3 J            |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 7 ST                                                                      |
| Bromochloromethane             | U                | NA               |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| 1,1,1-Trichloroethane          | U                | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| 1,1-Dichloropropene            | U                | NA               |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| Carbon Tetrachloride           | U                | 0.3 J            |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| 1,2-Dichloroethane             | U                | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| Trichloroethene                | 14               | 18               |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 0.6 ST                                                                    |
| 1,2-Dichloropropane            | U                | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| Bromodichloromethane           | U                | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 1 ST                                                                      |
| Dibromomethane                 | U                | NA               |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 50GV                                                                      |
| cis-1,3-Dichloropropene        | U                | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| trans-1,3-Dichloropropene      | U                | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 0.4 ST *                                                                  |
| 1,1,2-Trichloroethane          | U                | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 0.4 ST *                                                                  |
| 1,3-Dichloropropane            | U                | NA               |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 1 ST                                                                      |
| Tetrachloroethene              | 0.86             | 0.8 J            |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| Dibromochloromethane           | U                | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| Chlorobenzene                  | U                | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 50GV                                                                      |
| 1,1,1,2-Tetrachloroethane      | U                | NA               |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| Bromoform                      | U                | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| 1,1,2,2-Tetrachloroethane      | U                | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| 1,2,3-Trichloropropane         | U                | NA               |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 0.04 ST                                                                   |
| Bromobenzene                   | U                | NA               |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| 1,3-Dichlorobenzene            | U                | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| 1,4-Dichlorobenzene            | U                | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 3 ST                                                                      |
| 1,2-Dichlorobenzene            | U                | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 3 ST                                                                      |
| 1,2,4-Trichlorobenzene         | U                | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| Hexachlorobutadiene            | U                | NA               |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 0.5 ST                                                                    |
| 1,2,3-Trichlorobenzene         | U                | NA               |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| Methyl-tert-butyl ether        | U                | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | —                                                                         |
| Benzene                        | U                | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 1 ST                                                                      |
| Toluene                        | U                | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| Ethylbenzene                   | U                | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| m-Xylene                       | U                | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| p-Xylene                       | U                | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| o-Xylene                       | U                | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| Styrene                        | U                | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| Isopropylbenzene (Cumene)      | U                | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| n-Propylbenzene                | U                | NA               |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| 1,3,5-Trimethylbenzene         | U                | NA               |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| 2-Chlorotoluene                | U                | NA               |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| 4-Chlorotoluene                | U                | NA               |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| tert-Butylbenzene              | U                | NA               |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| 1,2,4-Trimethylbenzene         | U                | NA               |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| sec-Butylbenzene               | U                | NA               |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| p-Isopropyltoluene(p-Cymene)   | U                | NA               |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| n-Butylbenzene                 | U                | NA               |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| 1,1,2-Trichlorotrifluoroethane | NA               | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 5 ST                                                                      |
| 1,2-Dibromo-3-chloropropane    | NA               | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 0.04 ST                                                                   |
| 1,2-Dibromoethane              | NA               | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 0.0006 ST                                                                 |
| 2-Butanone                     | NA               | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 50 GV                                                                     |
| 2-Hexanone                     | NA               | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 50 GV                                                                     |
| 4-Methyl-2-pentanone           | NA               | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | —                                                                         |
| Acetone                        | NA               | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | 50 GV                                                                     |
| Carbon Disulfide               | NA               | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | —                                                                         |
| Methyl Acetate                 | NA               | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | —                                                                         |
| Methylcyclohexane              | NA               | U                |                  |                  |                  |                  |                  |                  |                  | 0.5                                                  | —                                                                         |
| Total VOCs                     | 14.86            | 19.6             | 0                | 0                | 0                | 0                | 0                | 0                | 0                |                                                      | —                                                                         |

**QUALIFIERS:**

U: Compound analyzed for but not detected  
J: Compound found at a concentration below the CRDL, value estimated  
\*: Result reported as a sum of 2,2-dichloropropane and cis-1,2-dichloroethene  
E: Compound concentration exceeds instrument calibration range, value estimated  
D: Result taken from reanalysis at a secondary dilution  
B: Compound found in the method blank as well as the sample  
U\*: Result qualified as non-detect based on validation criteria

**NOTES:**

\*: Value pertains to the sum of the isomers  
ST: Standard  
GV: Guidance Value  
---: Not established  
[ ] Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value  
NA: Not Analyzed for

**TABLE 2**  
**NEW CASSEL INDUSTRIAL AREA**  
**OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM**  
**MONITORING WELL SAMPLE RESULTS**  
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification         | EW-2B<br>132-142 | EW-2B<br>132-142 | EW-2B<br>132-142 | EW-2B<br>132-142 | EW-2B<br>132-142 | EW-2B<br>132-142 | EW-2B<br>132-142 | EW-2B<br>132-142 | Contract<br>Required<br>Detection<br>Limit<br>(ug/l) | NYSDEC Class GA<br>Groundwater<br>Standard or<br>Guidance Value<br>(ug/l) |
|-------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------------------------------------------|---------------------------------------------------------------------------|
| Sample Depth, ft              | 09/25/01         | 01/28/02         | 04/25/02         | 07/19/02         | 10/16/02         | 01/29/03         | 05/08/03         | 07/28/03         |                                                      |                                                                           |
| Date of Collection            | 1.0              | 5.0              | 5.0              | 5.0              | 1.0              | 1.0              | 1.0              | 1.0              |                                                      |                                                                           |
| Dilution Factor               | (ug/l)           | (ug/l)           | (ug/l)           | (ug/l)           | (ug/l)           | (ug/l)           | (ug/l)           | (ug/l)           |                                                      |                                                                           |
| Units                         |                  |                  |                  |                  |                  |                  |                  |                  |                                                      |                                                                           |
| Dichlorodifluoromethane       | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 5 ST                                                                      |
| Chloromethane                 | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 5 ST                                                                      |
| Vinyl Chloride                | 51 D             | 32               | 24               | 29               | 32               | 28               | 29               | 37               | 0.5                                                  | 2 ST                                                                      |
| Bromomethane                  | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 5 ST                                                                      |
| Chloroethane                  | 2.6              | U                | 24               | 19               | U                | U                | U                | U                | 0.5                                                  | 5 ST                                                                      |
| Fluorotrichloromethane        | 0.8              | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 5 ST                                                                      |
| 1,1-Dichloroethene            | 43 D             | 10               | 8                | U                | 7                | 5                | 5.5              | 5.9              | 0.5                                                  | 5 ST                                                                      |
| Methylene Chloride            | 1.5              | 3 J              | U                | U                | U                | U                | U                | U*               | 0.5                                                  | 5 ST                                                                      |
| trans-1,2-Dichloroethene      | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 5 ST                                                                      |
| 1,1-Dichloroethane            | 150 D            | 24               | 9                | 5                | 4                | 3                | 3.3              | 4.7              | 0.5                                                  | 5 ST                                                                      |
| 2,2-Dichloropropane           | **               | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 5 ST                                                                      |
| cis-1,2-Dichloroethene        | 36 **            | 25               | 19               | 18               | 19               | 19               | 17               | 18               | 0.5                                                  | 5 ST                                                                      |
| Chloroform                    | U                | U                | U                | U                | U                | 0.5              | 0.5              | 0.56             | 0.5                                                  | 7 ST                                                                      |
| Bromochloromethane            | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 5 ST                                                                      |
| 1,1,1-Trichloroethane         | 85 D             | 16               | 8                | 5                | 4                | 3                | 3.1              | 3.6              | 0.5                                                  | 5 ST                                                                      |
| 1,1-Dichloropropene           | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 5 ST                                                                      |
| Carbon Tetrachloride          | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 5 ST                                                                      |
| 1,2-Dichloroethane            | 0.7              | U                | 0.5              | U                | 0.6              | 0.7              | 0.67             | U                | 0.5                                                  | 0.6 ST                                                                    |
| Trichloroethene               | 140 D            | 130              | 100 D            | 84 D             | 96               | 110 D            | 93 D             | 95 D             | 0.5                                                  | 5 ST                                                                      |
| 1,2-Dichloropropane           | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 1 ST                                                                      |
| Bromodichloromethane          | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 50GV                                                                      |
| Dibromomethane                | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 5 ST                                                                      |
| cis-1,3-Dichloropropene       | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 0.4 ST *                                                                  |
| trans-1,3-Dichloropropene     | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 0.4 ST *                                                                  |
| 1,1,2-Trichloroethane         | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 1 ST                                                                      |
| 1,3-Dichloropropane           | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 5 ST                                                                      |
| Tetrachloroethene             | 20               | 21               | 17               | 21               | 17               | 16               | 18               | 16               | 0.5                                                  | 5 ST                                                                      |
| Dibromochloromethane          | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 50GV                                                                      |
| Chlorobenzene                 | 1.3              | U                | U                | U                | 0.9              | 1                | 1.1              | 0.78             | 0.5                                                  | 5 ST                                                                      |
| 1,1,1,2-Tetrachloroethane     | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 5 ST                                                                      |
| Bromoform                     | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 50GV                                                                      |
| 1,1,2,2-Tetrachloroethane     | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 5 ST                                                                      |
| 1,2,3-Trichloropropane        | 0.5              | U                | U                | U                | U                | U                | 0.87             | U                | 0.5                                                  | 0.04 ST                                                                   |
| Bromobenzene                  | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 5 ST                                                                      |
| 1,3-Dichlorobenzene           | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 3 ST                                                                      |
| 1,4-Dichlorobenzene           | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 3 ST                                                                      |
| 1,2-Dichlorobenzene           | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 3 ST                                                                      |
| 1,2,4-Trichlorobenzene        | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 5 ST                                                                      |
| Hexchlorobutadiene            | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 0.5 ST                                                                    |
| 1,2,3-Trichlorobenzene        | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 5 ST                                                                      |
| Methyl-tert-butyl ether       | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | ---                                                                       |
| Benzene                       | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 1 ST                                                                      |
| Toluene                       | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 5 ST                                                                      |
| Ethylbenzene                  | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 5 ST                                                                      |
| m-Xylene                      | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 5 ST                                                                      |
| p-Xylene                      | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 5 ST                                                                      |
| o-Xylene                      | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 5 ST                                                                      |
| Styrene                       | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 5 ST                                                                      |
| Isopropylbenzene (Cumene)     | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 5 ST                                                                      |
| n-Propylbenzene               | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 5 ST                                                                      |
| 1,3,5-Trimethylbenzene        | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 5 ST                                                                      |
| 2-Chlorotoluene               | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 5 ST                                                                      |
| 4-Chlorotoluene               | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 5 ST                                                                      |
| tert-Butylbenzene             | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 5 ST                                                                      |
| 1,2,4-Trimethylbenzene        | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 5 ST                                                                      |
| sec-Butylbenzene              | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 5 ST                                                                      |
| p-Isopropyltoluene (p-Cymene) | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 5 ST                                                                      |
| n-Butylbenzene                | U                | U                | U                | U                | U                | U                | U                | U                | 0.5                                                  | 5 ST                                                                      |
| <b>Total VOCs</b>             | 532.2            | 261              | 209.5            | 181              | 182.5            | 186.2            | 172.04           | 181.54           |                                                      | ---                                                                       |

**QUALIFIERS:**

U: Compound analyzed for but not detected  
J: Compound found at a concentration below the CRDL, value estimated  
\*: Result reported as a sum of 2,2-dichloropropane and cis-1,2-dichloroethene  
E: Compound concentration exceeds instrument calibration range, value estimated  
D: Result taken from reanalysis at a secondary dilution  
B: Compound found in the method blank as well as the sample  
U\*: Result qualified as non-detect based on validation criteria

**NOTES:**

\*: Value pertains to the sum of the isomers  
ST: Standard  
GV: Guidance Value  
---: Not established  
☒ indicates value exceeds NYSDEC Class GA groundwater standard or guidance value

**TABLE 2**  
**NEW CASSEL INDUSTRIAL AREA**  
**OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM**  
**MONITORING WELL SAMPLE RESULTS**  
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification          | EW-2B    | EW-2B    | EW-2B   | EW-2B   | EW-2B   | EW-2B   | EW-2B   | EW-2B   | Contract  | NYSDEC Class GA |
|--------------------------------|----------|----------|---------|---------|---------|---------|---------|---------|-----------|-----------------|
| Sample Depth, ft               | 132-142  | 132-142  | 132-142 | 132-142 | 132-142 | 132-142 | 132-142 | 132-142 | Required  | Groundwater     |
| Date of Collection             | 12/10/03 | 03/10/04 |         |         |         |         |         |         | Detection | Standard or     |
| Dilution Factor                | 1.0      | 5.0      | 5.0     | 5.0     | 1.0     | 1.0     | 1.0     | 1.0     | Limit     | Guidance Value  |
| Units                          | (ug/l)   | (ug/l)   | (ug/l)  | (ug/l)  | (ug/l)  | (ug/l)  | (ug/l)  | (ug/l)  | (ug/l)    | (ug/l)          |
| Dichlorodifluoromethane        | U        | U        |         |         |         |         |         |         | 0.5       | 5 ST            |
| Chloromethane                  | U        | U        |         |         |         |         |         |         | 0.5       | 5 ST            |
| Vinyl Chloride                 | 27       | 25       |         |         |         |         |         |         | 0.5       | 2 ST            |
| Bromomethane                   | U        | U        |         |         |         |         |         |         | 0.5       | 5 ST            |
| Chloroethane                   | U        | U        |         |         |         |         |         |         | 0.5       | 5 ST            |
| Fluorotrichloromethane         | U        | U        |         |         |         |         |         |         | 0.5       | 5 ST            |
| 1,1-Dichloroethene             | 4.5      | 4 J      |         |         |         |         |         |         | 0.5       | 5 ST            |
| Methylene Chloride             | U        | U        |         |         |         |         |         |         | 0.5       | 5 ST            |
| trans-1,2-Dichloroethene       | U        | U        |         |         |         |         |         |         | 0.5       | 5 ST            |
| 1,1-Dichloroethane             | 2.9      | 2 J      |         |         |         |         |         |         | 0.5       | 5 ST            |
| 2,2-Dichloropropane            | U        | NA       |         |         |         |         |         |         | 0.5       | 5 ST            |
| cis-1,2-Dichloroethene         | 17       | 16       |         |         |         |         |         |         | 0.5       | 5 ST            |
| Chloroform                     | U        | 0.4 J    |         |         |         |         |         |         | 0.5       | 7 ST            |
| Bromochloromethane             | U        | NA       |         |         |         |         |         |         | 0.5       | 5 ST            |
| 1,1,1-Trichloroethane          | 2.8      | 2 J      |         |         |         |         |         |         | 0.5       | 5 ST            |
| 1,1-Dichloropropene            | U        | NA       |         |         |         |         |         |         | 0.5       | 5 ST            |
| Carbon Tetrachloride           | U        | U        |         |         |         |         |         |         | 0.5       | 5 ST            |
| 1,2-Dichloroethane             | 0.66     | U        |         |         |         |         |         |         | 0.5       | 0.6 ST          |
| Trichloroethene                | 74 D     | 89       |         |         |         |         |         |         | 0.5       | 5 ST            |
| 1,2-Dichloropropane            | U        | U        |         |         |         |         |         |         | 0.5       | 1 ST            |
| Bromodichloromethane           | U        | U        |         |         |         |         |         |         | 0.5       | 50GV            |
| Dibromomethane                 | U        | NA       |         |         |         |         |         |         | 0.5       | 5 ST            |
| cis-1,3-Dichloropropene        | U        | U        |         |         |         |         |         |         | 0.5       | 0.4 ST *        |
| trans-1,3-Dichloropropene      | U        | U        |         |         |         |         |         |         | 0.5       | 0.4 ST *        |
| 1,1,2-Trichloroethane          | U        | U        |         |         |         |         |         |         | 0.5       | 1 ST            |
| 1,3-Dichloropropane            | U        | NA       |         |         |         |         |         |         | 0.5       | 5 ST            |
| Tetrachloroethene              | 16       | 18       |         |         |         |         |         |         | 0.5       | 5 ST            |
| Dibromochloromethane           | U        | U        |         |         |         |         |         |         | 0.5       | 50GV            |
| Chlorobenzene                  | 1        | U        |         |         |         |         |         |         | 0.5       | 5 ST            |
| 1,1,1,2-Tetrachloroethane      | U        | NA       |         |         |         |         |         |         | 0.5       | 5 ST            |
| Bromoform                      | U        | U        |         |         |         |         |         |         | 0.5       | 50GV            |
| 1,1,2,2-Tetrachloroethane      | U        | U        |         |         |         |         |         |         | 0.5       | 5 ST            |
| 1,2,3-Trichloropropane         | U        | NA       |         |         |         |         |         |         | 0.5       | 0.04 ST         |
| Bromobenzene                   | U        | NA       |         |         |         |         |         |         | 0.5       | 5 ST            |
| 1,3-Dichlorobenzene            | U        | U        |         |         |         |         |         |         | 0.5       | 3 ST            |
| 1,4-Dichlorobenzene            | U        | U        |         |         |         |         |         |         | 0.5       | 3 ST            |
| 1,2-Dichlorobenzene            | U        | U        |         |         |         |         |         |         | 0.5       | 3 ST            |
| 1,2,4-Trichlorobenzene         | U        | U        |         |         |         |         |         |         | 0.5       | 5 ST            |
| Hexchlorobutadiene             | U        | NA       |         |         |         |         |         |         | 0.5       | 0.5 ST          |
| 1,2,3-Trichlorobenzene         | U        | NA       |         |         |         |         |         |         | 0.5       | 5 ST            |
| Methyl-tert-butyl ether        | U        | U        |         |         |         |         |         |         | 0.5       | ---             |
| Benzene                        | U        | U        |         |         |         |         |         |         | 0.5       | 1 ST            |
| Toluene                        | U        | U        |         |         |         |         |         |         | 0.5       | 5 ST            |
| Ethylbenzene                   | U        | U        |         |         |         |         |         |         | 0.5       | 5 ST            |
| m-Xylene                       | U        | U        |         |         |         |         |         |         | 0.5       | 5 ST            |
| p-Xylene                       | U        | U        |         |         |         |         |         |         | 0.5       | 5 ST            |
| o-Xylene                       | U        | U        |         |         |         |         |         |         | 0.5       | 5 ST            |
| Styrene                        | U        | U        |         |         |         |         |         |         | 0.5       | 5 ST            |
| Isopropylbenzene (Cumene)      | U        | U        |         |         |         |         |         |         | 0.5       | 5 ST            |
| n-Propylbenzene                | U        | NA       |         |         |         |         |         |         | 0.5       | 5 ST            |
| 1,3,5-Trimethylbenzene         | U        | NA       |         |         |         |         |         |         | 0.5       | 5 ST            |
| 2-Chlorotoluene                | U        | NA       |         |         |         |         |         |         | 0.5       | 5 ST            |
| 4-Chlorotoluene                | U        | NA       |         |         |         |         |         |         | 0.5       | 5 ST            |
| tert-Butylbenzene              | U        | NA       |         |         |         |         |         |         | 0.5       | 5 ST            |
| 1,2,4-Trimethylbenzene         | U        | NA       |         |         |         |         |         |         | 0.5       | 5 ST            |
| sec-Butylbenzene               | U        | NA       |         |         |         |         |         |         | 0.5       | 5 ST            |
| p-Isopropyltoluene(p-Cymene)   | U        | NA       |         |         |         |         |         |         | 0.5       | 5 ST            |
| n-Butylbenzene                 | U        | NA       |         |         |         |         |         |         | 0.5       | 5 ST            |
| 1,1,2-Trichlorotrifluoroethane | NA       | 27       |         |         |         |         |         |         | 0.5       | 5 ST            |
| 1,2-Dibromo-3-chloropropane    | NA       | U        |         |         |         |         |         |         | 0.5       | 0.04 ST         |
| 1,2-Dibromoethane              | NA       | U        |         |         |         |         |         |         | 0.5       | 0.0006 ST       |
| 2-Butanone                     | NA       | U        |         |         |         |         |         |         | 0.5       | 50 GV           |
| 2-Hexanone                     | NA       | U        |         |         |         |         |         |         | 0.5       | 50 GV           |
| 4-Methyl-2-pentanone           | NA       | U        |         |         |         |         |         |         | 0.5       | ---             |
| Acetone                        | NA       | U        |         |         |         |         |         |         | 0.5       | 50 GV           |
| Carbon Disulfide               | NA       | U        |         |         |         |         |         |         | 0.5       | ---             |
| Methyl Acetate                 | NA       | U        |         |         |         |         |         |         | 0.5       | ---             |
| Methylcyclohexane              | NA       | U        |         |         |         |         |         |         | 0.5       | ---             |
| <b>Total VOCs</b>              | 145.86   | 183.4    | 0       | 0       | 0       | 0       | 0       | 0       |           | ---             |

**QUALIFIERS:**

U: Compound analyzed for but not detected  
J: Compound found at a concentration below the CRDL, value estimated  
\*: Result reported as a sum of 2,2-dichloropropane and cis-1,2-dichloroethene  
E: Compound concentration exceeds instrument calibration range, value estimated  
D: Result taken from reanalysis at a secondary dilution  
B: Compound found in the method blank as well as the sample  
U\*: Result qualified as non-detect based on validation criteria

**NOTES:**

\*: Value pertains to the sum of the isomers  
ST: Standard  
GV: Guidance Value  
---: Not established  
☐ Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value  
NA: Not Analyzed for

**TABLE 2**  
**NEW CASSEL INDUSTRIAL AREA**  
**OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM**  
**MONITORING WELL SAMPLE RESULTS**  
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification         | EW-2C    | EW-2C    | EW-2C    | EW-2C    | EW-2C    | EW-2C      | EW-2C      | EW-2C      | Contract  | NYSDEC Class GA |
|-------------------------------|----------|----------|----------|----------|----------|------------|------------|------------|-----------|-----------------|
| Sample Depth, ft              | 504-514  | 504-514  | 504-514  | 504-514  | 504-514  | 504-514    | 504-514    | 504-514    | Required  | Groundwater     |
| Date of Collection            | 09/25/01 | 01/28/02 | 04/25/02 | 07/19/02 | 10/16/02 | 01/29/03   | 05/08/03   | 07/29/03   | Detection | Standard or     |
| Dilution Factor               | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      | 1.0        | 1.0        | 1.0        | Limit     | Guidance Value  |
| Units                         | (ug/l)   | (ug/l)   | (ug/l)   | (ug/l)   | (ug/l)   | (ug/l)     | (ug/l)     | (ug/l)     | (ug/l)    | (ug/l)          |
| Dichlorodifluoromethane       | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 5 ST            |
| Chloromethane                 | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 5 ST            |
| Vinyl Chloride                | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 2 ST            |
| Bromomethane                  | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 5 ST            |
| Chloroethane                  | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 5 ST            |
| Fluorotrichloromethane        | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 5 ST            |
| 1,1-Dichloroethane            | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 5 ST            |
| Methylene Chloride            | U        | U        | U        | U        | U        | U          | U          | U*         | 0.5       | 5 ST            |
| trans-1,2-Dichloroethene      | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 5 ST            |
| 1,1-Dichloroethane            | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 5 ST            |
| 2,2-Dichloropropane           | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 5 ST            |
| cis-1,2-Dichloroethene        | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 5 ST            |
| Chloroform                    | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 7 ST            |
| Bromochloromethane            | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 5 ST            |
| 1,1,1-Trichloroethane         | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 5 ST            |
| 1,1-Dichloropropene           | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 5 ST            |
| Carbon Tetrachloride          | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 5 ST            |
| 1,2-Dichloroethane            | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 0.6 ST          |
| Trichloroethene               | U        | U        | U        | U        | U        | U          | 0.7        | U          | 0.5       | 5 ST            |
| 1,2-Dichloropropane           | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 1 ST            |
| Bromodichloromethane          | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 50GV            |
| Dibromomethane                | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 5 ST            |
| cis-1,3-Dichloropropene       | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 0.4 ST*         |
| trans-1,3-Dichloropropene     | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 0.4 ST*         |
| 1,1,2-Trichloroethane         | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 1 ST            |
| 1,3-Dichloropropane           | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 5 ST            |
| Tetrachloroethene             | U        | U        | U        | 1        | U        | 0.8        | 1.8        | U          | 0.5       | 5 ST            |
| Dibromochloromethane          | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 50GV            |
| Chlorobenzene                 | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 5 ST            |
| 1,1,1,2-Tetrachloroethane     | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 5 ST            |
| Bromoform                     | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 50GV            |
| 1,1,2,2-Tetrachloroethane     | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 5 ST            |
| 1,2,3-Trichloropropane        | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 0.04 ST         |
| Bromobenzene                  | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 5 ST            |
| 1,3-Dichlorobenzene           | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 3 ST            |
| 1,4-Dichlorobenzene           | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 3 ST            |
| 1,2-Dichlorobenzene           | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 3 ST            |
| 1,2,4-Trichlorobenzene        | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 5 ST            |
| Hexchlorobutadiene            | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 0.5 ST          |
| 1,2,3-Trichlorobenzene        | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 5 ST            |
| Methyl-tert-butyl ether       | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | ----            |
| Benzene                       | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 1 ST            |
| Toluene                       | U        | U        | U        | U        | U        | U          | U          | 1.4        | 0.5       | 5 ST            |
| Ethylbenzene                  | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 5 ST            |
| m-Xylene                      | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 5 ST            |
| p-Xylene                      | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 5 ST            |
| o-Xylene                      | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 5 ST            |
| Styrene                       | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 5 ST            |
| Isopropylbenzene (Cumene)     | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 5 ST            |
| n-Propylbenzene               | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 5 ST            |
| 1,3,5-Trimethylbenzene        | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 5 ST            |
| 2-Chlorotoluene               | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 5 ST            |
| 4-Chlorotoluene               | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 5 ST            |
| tert-Butylbenzene             | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 5 ST            |
| 1,2,4-Trimethylbenzene        | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 5 ST            |
| sec-Butylbenzene              | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 5 ST            |
| p-Isopropyltoluene (p-Cymene) | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 5 ST            |
| n-Butylbenzene                | U        | U        | U        | U        | U        | U          | U          | U          | 0.5       | 5 ST            |
| <b>Total VOCs</b>             | <b>0</b> | <b>0</b> | <b>0</b> | <b>1</b> | <b>0</b> | <b>0.8</b> | <b>2.5</b> | <b>1.4</b> |           | <b>----</b>     |

**QUALIFIERS:**

U: Compound analyzed for but not detected  
J: Compound found at a concentration below the CRDL, value estimated  
\*: Result reported as a sum of 2,2-dichloropropane and cis-1,2-dichloroethene  
E: Compound concentration exceeds instrument calibration range, value estimated  
D: Result taken from reanalysis at a secondary dilution  
U\*: Result qualified as non-detect based on validation criteria

**NOTES:**

\*: Value pertains to the sum of the isomers  
ST: Standard  
GV: Guidance Value  
----: Not established  
☐ Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value

**TABLE 2**  
**NEW CASSEL INDUSTRIAL AREA**  
**OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM**  
**MONITORING WELL SAMPLE RESULTS**  
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification          | EW-2C    | EW-2C    | EW-2C    | EW-2C    | EW-2C    | EW-2C    | EW-2C    | EW-2C    | Contract  | NYSDEC Class GA |
|--------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------------|
| Sample Depth, ft               | 504-514  | 504-514  | 504-514  | 504-514  | 504-514  | 504-514  | 504-514  | 504-514  | Required  | Groundwater     |
| Date of Collection             | 12/11/03 | 03/10/04 |          |          |          |          |          |          | Detection | Standard or     |
| Dilution Factor                | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      | Limit     | Guidance Value  |
| Units                          | (ug/l)   | (ug/l)   | (ug/l)   | (ug/l)   | (ug/l)   | (ug/l)   | (ug/l)   | (ug/l)   | (ug/l)    | (ug/l)          |
| Dichlorodifluoromethane        | U        | U        |          |          |          |          |          |          | 0.5       | 5 ST            |
| Chloromethane                  | U        | U        |          |          |          |          |          |          | 0.5       | 5 ST            |
| Vinyl Chloride                 | U        | U        |          |          |          |          |          |          | 0.5       | 2 ST            |
| Bromomethane                   | U        | U        |          |          |          |          |          |          | 0.5       | 5 ST            |
| Chloroethane                   | U        | U        |          |          |          |          |          |          | 0.5       | 5 ST            |
| Fluorotrichloromethane         | U        | U        |          |          |          |          |          |          | 0.5       | 5 ST            |
| 1,1-Dichloroethene             | U        | U        |          |          |          |          |          |          | 0.5       | 5 ST            |
| Methylene Chloride             | U        | U        |          |          |          |          |          |          | 0.5       | 5 ST            |
| trans-1,2-Dichloroethene       | U        | U        |          |          |          |          |          |          | 0.5       | 5 ST            |
| 1,1-Dichloroethane             | U        | U        |          |          |          |          |          |          | 0.5       | 5 ST            |
| 2,2-Dichloropropane            | U        | NA       |          |          |          |          |          |          | 0.5       | 5 ST            |
| cis-1,2-Dichloroethene         | U        | U        |          |          |          |          |          |          | 0.5       | 5 ST            |
| Chloroform                     | U        | U        |          |          |          |          |          |          | 0.5       | 7 ST            |
| Bromochloromethane             | U        | NA       |          |          |          |          |          |          | 0.5       | 5 ST            |
| 1,1,1-Trichloroethane          | U        | U        |          |          |          |          |          |          | 0.5       | 5 ST            |
| 1,1-Dichloropropene            | U        | NA       |          |          |          |          |          |          | 0.5       | 5 ST            |
| Carbon Tetrachloride           | U        | U        |          |          |          |          |          |          | 0.5       | 5 ST            |
| 1,2-Dichloroethane             | U        | U        |          |          |          |          |          |          | 0.5       | 0.6 ST          |
| Trichloroethene                | U        | U        |          |          |          |          |          |          | 0.5       | 5 ST            |
| 1,2-Dichloropropane            | U        | U        |          |          |          |          |          |          | 0.5       | 1 ST            |
| Bromodichloromethane           | U        | U        |          |          |          |          |          |          | 0.5       | 50GV            |
| Dibromomethane                 | U        | NA       |          |          |          |          |          |          | 0.5       | 5 ST            |
| cis-1,3-Dichloropropene        | U        | U        |          |          |          |          |          |          | 0.5       | 0.4 ST *        |
| trans-1,3-Dichloropropene      | U        | U        |          |          |          |          |          |          | 0.5       | 0.4 ST *        |
| 1,1,2-Trichloroethane          | U        | U        |          |          |          |          |          |          | 0.5       | 1 ST            |
| 1,3-Dichloropropane            | U        | NA       |          |          |          |          |          |          | 0.5       | 5 ST            |
| Tetrachloroethene              | U        | U        |          |          |          |          |          |          | 0.5       | 5 ST            |
| Dibromochloromethane           | U        | U        |          |          |          |          |          |          | 0.5       | 50GV            |
| Chlorobenzene                  | U        | U        |          |          |          |          |          |          | 0.5       | 5 ST            |
| 1,1,1,2-Tetrachloroethane      | U        | NA       |          |          |          |          |          |          | 0.5       | 5 ST            |
| Bromoform                      | U        | U        |          |          |          |          |          |          | 0.5       | 50GV            |
| 1,1,2,2-Tetrachloroethane      | U        | U        |          |          |          |          |          |          | 0.5       | 5 ST            |
| 1,2,3-Trichloropropane         | U        | NA       |          |          |          |          |          |          | 0.5       | 0.04 ST         |
| Bromobenzene                   | U        | NA       |          |          |          |          |          |          | 0.5       | 5 ST            |
| 1,3-Dichlorobenzene            | U        | U        |          |          |          |          |          |          | 0.5       | 3 ST            |
| 1,4-Dichlorobenzene            | U        | U        |          |          |          |          |          |          | 0.5       | 3 ST            |
| 1,2-Dichlorobenzene            | U        | U        |          |          |          |          |          |          | 0.5       | 3 ST            |
| 1,2,4-Trichlorobenzene         | U        | U        |          |          |          |          |          |          | 0.5       | 5 ST            |
| Hexachlorobutadiene            | U        | NA       |          |          |          |          |          |          | 0.5       | 0.5 ST          |
| 1,2,3-Trichlorobenzene         | U        | NA       |          |          |          |          |          |          | 0.5       | 5 ST            |
| Methyl-tert-butyl ether        | U        | U        |          |          |          |          |          |          | 0.5       | ---             |
| Benzene                        | U        | U        |          |          |          |          |          |          | 0.5       | 1 ST            |
| Toluene                        | U        | U        |          |          |          |          |          |          | 0.5       | 5 ST            |
| Ethylbenzene                   | U        | U        |          |          |          |          |          |          | 0.5       | 5 ST            |
| m-Xylene                       | U        | U        |          |          |          |          |          |          | 0.5       | 5 ST            |
| p-Xylene                       | U        | U        |          |          |          |          |          |          | 0.5       | 5 ST            |
| o-Xylene                       | U        | U        |          |          |          |          |          |          | 0.5       | 5 ST            |
| Styrene                        | U        | U        |          |          |          |          |          |          | 0.5       | 5 ST            |
| Isopropylbenzene (Cumene)      | U        | U        |          |          |          |          |          |          | 0.5       | 5 ST            |
| n-Propylbenzene                | U        | NA       |          |          |          |          |          |          | 0.5       | 5 ST            |
| 1,3,5-Trimethylbenzene         | U        | NA       |          |          |          |          |          |          | 0.5       | 5 ST            |
| 2-Chlorotoluene                | U        | NA       |          |          |          |          |          |          | 0.5       | 5 ST            |
| 4-Chlorotoluene                | U        | NA       |          |          |          |          |          |          | 0.5       | 5 ST            |
| tert-Butylbenzene              | U        | NA       |          |          |          |          |          |          | 0.5       | 5 ST            |
| 1,2,4-Trimethylbenzene         | U        | NA       |          |          |          |          |          |          | 0.5       | 5 ST            |
| sec-Butylbenzene               | U        | NA       |          |          |          |          |          |          | 0.5       | 5 ST            |
| p-Isopropyltoluene(p-Cymene)   | U        | NA       |          |          |          |          |          |          | 0.5       | 5 ST            |
| n-Butylbenzene                 | U        | NA       |          |          |          |          |          |          | 0.5       | 5 ST            |
| 1,1,2-Trichlorotrifluoroethane | NA       | U        |          |          |          |          |          |          | 0.5       | 5 ST            |
| 1,2-Dibromo-3-chloropropane    | NA       | U        |          |          |          |          |          |          | 0.5       | 0.04 ST         |
| 1,2-Dibromoethane              | NA       | U        |          |          |          |          |          |          | 0.5       | 0.006 ST        |
| 2-Butanone                     | NA       | U        |          |          |          |          |          |          | 0.5       | 50 GV           |
| 2-Hexanone                     | NA       | U        |          |          |          |          |          |          | 0.5       | 50 GV           |
| 4-Methyl-2-pentanone           | NA       | U        |          |          |          |          |          |          | 0.5       | ---             |
| Acetone                        | NA       | U        |          |          |          |          |          |          | 0.5       | 50 GV           |
| Carbon Disulfide               | NA       | U        |          |          |          |          |          |          | 0.5       | ---             |
| Methyl Acetate                 | NA       | U        |          |          |          |          |          |          | 0.5       | ---             |
| Methylcyclohexane              | NA       | U        |          |          |          |          |          |          | 0.5       | ---             |
| <b>Total VOCs</b>              | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> |           | <b>---</b>      |

**QUALIFIERS:**

U: Compound analyzed for but not detected  
J: Compound found at a concentration below the CRDL, value estimated  
\*: Result reported as a sum of 2,2-dichloropropane and cis-1,2-dichloroethene  
E: Compound concentration exceeds instrument calibration range, value estimated  
D: Result taken from reanalysis at a secondary dilution  
U\*: Result qualified as non-detect based on validation criteria

**NOTES:**

\*: Value pertains to the sum of the isomers  
ST: Standard  
GV: Guidance Value  
---: Not established  
☐ Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value  
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**NEW CASSEL INDUSTRIAL AREA**  
**OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM**  
**MONITORING WELL SAMPLE RESULTS**  
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification        | MW-1<br>90-110 | MW-1<br>90-110 | MW-1<br>90-110 | MW-1<br>90-110 | MW-1<br>90-110 | MW-1<br>90-110 | MW-1<br>90-110 | MW-1<br>90-110 | Contract<br>Required<br>Detection<br>Limit | NYSDEC Class GA<br>Groundwater<br>Standard or<br>Guidance Value |
|------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------------------------------|-----------------------------------------------------------------|
| Sample Depth, ft             | 11/02/01       | 01/24/02       | 04/25/02       | 07/16/02       | 10/17/02       | 02/03/03       | 05/06/03       | 07/30/03       | (ug/l)                                     | (ug/l)                                                          |
| Date of Collection           | 1.0            | 1.0            | 2.0            | 1.0            | 1.0            | 1.0            | 1.0            | 1.0            | (ug/l)                                     | (ug/l)                                                          |
| Dilution Factor              | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 5 ST                                                            |
| Units                        | (ug/l)         | (ug/l)         | (ug/l)         | (ug/l)         | (ug/l)         | (ug/l)         | (ug/l)         | (ug/l)         | 0.5                                        | 5 ST                                                            |
| Dichlorodifluoromethane      | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 5 ST                                                            |
| Chloromethane                | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 2 ST                                                            |
| Vinyl Chloride               | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 5 ST                                                            |
| Bromomethane                 | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 5 ST                                                            |
| Chloroethane                 | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 5 ST                                                            |
| Fluorotrichloromethane       | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 5 ST                                                            |
| 1,1-Dichloroethene           | 16             | 8              | 26             | 24             | 49             | 33             | 19             | 17             | 0.5                                        | 5 ST                                                            |
| Methylene Chloride           | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 5 ST                                                            |
| trans-1,2-Dichloroethene     | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 5 ST                                                            |
| 1,1-Dichloroethane           | 2.8            | 2              | 5              | 4              | 6              | 7              | 3.5            | 2.5            | 0.5                                        | 5 ST                                                            |
| 2,2-Dichloropropane          | **             | U              |                |                | U              | U              | U              | U              | 0.5                                        | 5 ST                                                            |
| cis-1,2-Dichloroethene       | 1.1 **         | 1              | 3              | 3              | 5              | 5              | 2.1            | 1.6            | 0.5                                        | 5 ST                                                            |
| Chloroform                   | 0.5            | U              | U              | 1              | 2              | 2              | 1.3            | U              | 0.5                                        | 7 ST                                                            |
| Bromochloromethane           | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 5 ST                                                            |
| 1,1,1-Trichloroethane        | 7.8            | 4              | 10 J           | 10             | 15             | 16             | 7.8            | 5.9            | 0.5                                        | 5 ST                                                            |
| 1,1-Dichloropropene          | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 5 ST                                                            |
| Carbon Tetrachloride         | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 5 ST                                                            |
| 1,2-Dichloroethane           | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 0.6 ST                                                          |
| Trichloroethene              | 21             | 16             | 52 DJ          | 55 E           | 79             | 51 D           | 34             | 27             | 0.5                                        | 5 ST                                                            |
| 1,2-Dichloropropane          | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 1 ST                                                            |
| Bromodichloromethane         | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 50GV                                                            |
| Dibromomethane               | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 5 ST                                                            |
| cis-1,3-Dichloropropene      | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 0.4 ST *                                                        |
| trans-1,3-Dichloropropene    | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 0.4 ST *                                                        |
| 1,1,2-Trichloroethane        | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 1 ST                                                            |
| 1,3-Dichloropropane          | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 5 ST                                                            |
| Tetrachloroethene            | 4.1            | 3              | 9              | 9              | 13             | 10             | 5.8            | 7.6            | 0.5                                        | 5 ST                                                            |
| Dibromochloromethane         | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 50GV                                                            |
| Chlorobenzene                | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 5 ST                                                            |
| 1,1,1,2-Tetrachloroethane    | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 5 ST                                                            |
| Bromoform                    | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 50GV                                                            |
| 1,1,2,2-Tetrachloroethane    | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 5 ST                                                            |
| 1,2,3-Trichloropropene       | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 0.04 ST                                                         |
| Bromobenzene                 | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 5 ST                                                            |
| 1,3-Dichlorobenzene          | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 3 ST                                                            |
| 1,4-Dichlorobenzene          | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 3 ST                                                            |
| 1,2-Dichlorobenzene          | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 3 ST                                                            |
| 1,2,4-Trichlorobenzene       | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 5 ST                                                            |
| Hexchlorobutadiene           | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 0.5 ST                                                          |
| 1,2,3-Trichlorobenzene       | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 5 ST                                                            |
| Methyl-tert-butyl ether      | U              | U              | U              | U              | U              | U              | U              | 3.4            | 0.5                                        | ---                                                             |
| Benzene                      | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 1 ST                                                            |
| Toluene                      | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 5 ST                                                            |
| Ethylbenzene                 | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 5 ST                                                            |
| m-Xylene                     | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 5 ST                                                            |
| p-Xylene                     | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 5 ST                                                            |
| o-Xylene                     | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 5 ST                                                            |
| Styrene                      | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 5 ST                                                            |
| Isopropylbenzene (Cumene)    | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 5 ST                                                            |
| n-Propylbenzene              | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 5 ST                                                            |
| 1,3,5-Trimethylbenzene       | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 5 ST                                                            |
| 2-Chlorotoluene              | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 5 ST                                                            |
| 4-Chlorotoluene              | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 5 ST                                                            |
| tert-Butylbenzene            | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 5 ST                                                            |
| 1,2,4-Trimethylbenzene       | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 5 ST                                                            |
| sec-Butylbenzene             | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 5 ST                                                            |
| p-Isopropyltoluene(p-Cymene) | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 5 ST                                                            |
| n-Butylbenzene               | U              | U              | U              | U              | U              | U              | U              | U              | 0.5                                        | 5 ST                                                            |
| <b>Total VOCs</b>            | 53.3           | 34             | 105            | 106            | 169            | 124            | 73.5           | 65             |                                            | ---                                                             |

**QUALIFIERS:**

U: Compound analyzed for but not detected  
J: Compound found at a concentration below the CRDL, value estimated  
\*\*: Result reported as a sum of 2,2- dichloropropane and cis-1,2-dichloroethene  
E: Compound concentration exceeds instrument calibration range, value estimated  
D: Result taken from reanalysis at a secondary dilution  
B: Compound found in the method blank as well as the sample  
U\*:Result qualified as non-detect based on validation criteria

**NOTES:**

\*: Value pertains to the sum of the isomers  
ST: Standard  
GV: Guidance Value  
---: Not established  
[ ] Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value

**TABLE 2**  
**NEW CASSEL INDUSTRIAL AREA**  
**OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM**  
**MONITORING WELL SAMPLE RESULTS**  
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification          | MW-1<br>90-110 | MW-1<br>90-110 | MW-1<br>90-110 | MW-1<br>90-110 | MW-1<br>90-110 | MW-1<br>90-110 | MW-1<br>90-110 | MW-1<br>90-110 | Contract<br>Required<br>Detection<br>Limit<br>(ug/l) | NYSDEC Class GA<br>Groundwater<br>Standard or<br>Guidance Value<br>(ug/l) |
|--------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------------------------------------------|---------------------------------------------------------------------------|
| Sample Depth, ft               | 12/09/03       | 03/10/04       |                |                |                |                |                |                |                                                      |                                                                           |
| Date of Collection             | 1.0            | 1.0            | 2.0            | 1.0            | 1.0            | 1.0            | 1.0            | 1.0            |                                                      |                                                                           |
| Dilution Factor                | (ug/l)         | (ug/l)         | (ug/l)         | (ug/l)         | (ug/l)         | (ug/l)         | (ug/l)         | (ug/l)         |                                                      |                                                                           |
| Units                          |                |                |                |                |                |                |                |                |                                                      |                                                                           |
| Dichlorodifluoromethane        | U              | U              |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| Chloromethane                  | U              | U              |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| Vinyl Chloride                 | U              | U              |                |                |                |                |                |                | 0.5                                                  | 2 ST                                                                      |
| Bromomethane                   | U              | U              |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| Chloroethane                   | U              | U              |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| Fluorotrichloromethane         | U              | U              |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| 1,1-Dichloroethene             | 19             | 25             |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| Methylene Chloride             | U              | U              |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| trans-1,2-Dichloroethene       | U              | U              |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| 1,1-Dichloroethane             | 3.7            | 5 J            |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| 2,2-Dichloropropane            | U              | NA             |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| cis-1,2-Dichloroethene         | 2.5            | 4 J            |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| Chloroform                     | 1.3            | 2 J            |                |                |                |                |                |                | 0.5                                                  | 7 ST                                                                      |
| Bromochloromethane             | U              | NA             |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| 1,1,1-Trichloroethane          | 7.6            | 10 J           |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| 1,1-Dichloropropene            | U              | NA             |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| Carbon Tetrachloride           | U*             | U              |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| 1,2-Dichloroethane             | U*             | U              |                |                |                |                |                |                | 0.5                                                  | 0.6 ST                                                                    |
| Trichloroethene                | 38             | 55             |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| 1,2-Dichloropropane            | U              | U              |                |                |                |                |                |                | 0.5                                                  | 1 ST                                                                      |
| Bromodichloromethane           | U              | U              |                |                |                |                |                |                | 0.5                                                  | 50GV                                                                      |
| Dibromomethane                 | U              | NA             |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| cis-1,3-Dichloropropene        | U              | U              |                |                |                |                |                |                | 0.5                                                  | 0.4 ST *                                                                  |
| trans-1,3-Dichloropropene      | U              | U              |                |                |                |                |                |                | 0.5                                                  | 0.4 ST *                                                                  |
| 1,1,2-Trichloroethane          | U              | U              |                |                |                |                |                |                | 0.5                                                  | 1 ST                                                                      |
| 1,3-Dichloropropane            | U              | NA             |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| Tetrachloroethene              | 8              | 10             |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| Dibromochloromethane           | U              | U              |                |                |                |                |                |                | 0.5                                                  | 50GV                                                                      |
| Chlorobenzene                  | U              | U              |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| 1,1,1,2-Tetrachloroethane      | U              | NA             |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| Bromoform                      | U              | U              |                |                |                |                |                |                | 0.5                                                  | 50GV                                                                      |
| 1,1,2,2-Tetrachloroethane      | U              | U              |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| 1,2,3-Trichloropropane         | U              | NA             |                |                |                |                |                |                | 0.5                                                  | 0.04 ST                                                                   |
| Bromobenzene                   | U              | NA             |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| 1,3-Dichlorobenzene            | U              | U              |                |                |                |                |                |                | 0.5                                                  | 3 ST                                                                      |
| 1,4-Dichlorobenzene            | U              | U              |                |                |                |                |                |                | 0.5                                                  | 3 ST                                                                      |
| 1,2-Dichlorobenzene            | U              | U              |                |                |                |                |                |                | 0.5                                                  | 3 ST                                                                      |
| 1,2,4-Trichlorobenzene         | U              | U              |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| Hexchlorobutadiene             | U              | NA             |                |                |                |                |                |                | 0.5                                                  | 0.5 ST                                                                    |
| 1,2,3-Trichlorobenzene         | U              | NA             |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| Methyl-tert-butyl ether        | 0.78           | 0.5 J          |                |                |                |                |                |                | 0.5                                                  | —                                                                         |
| Benzene                        | U              | U              |                |                |                |                |                |                | 0.5                                                  | 1 ST                                                                      |
| Toluene                        | U              | U              |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| Ethylbenzene                   | U              | U              |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| m-Xylene                       | U              | U              |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| p-Xylene                       | U              | U              |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| o-Xylene                       | U              | U              |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| Styrene                        | U              | U              |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| Isopropylbenzene (Cumene)      | U              | U              |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| n-Propylbenzene                | U              | NA             |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| 1,3,5-Trimethylbenzene         | U              | NA             |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| 2-Chlorotoluene                | U              | NA             |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| 4-Chlorotoluene                | U              | NA             |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| tert-Butylbenzene              | U              | NA             |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| 1,2,4-Trimethylbenzene         | U              | NA             |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| sec-Butylbenzene               | U              | NA             |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| p-Isopropyltoluene(p-Cymene)   | U              | NA             |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| n-Butylbenzene                 | U              | NA             |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| 1,1,2-Trichlorotrifluoroethane | NA             | U              |                |                |                |                |                |                | 0.5                                                  | 5 ST                                                                      |
| 1,2-Dibromo-3-chloropropane    | NA             | U              |                |                |                |                |                |                | 0.5                                                  | 0.04 ST                                                                   |
| 1,2-Dibromoethane              | NA             | U              |                |                |                |                |                |                | 0.5                                                  | 0.0006 ST                                                                 |
| 2-Butanone                     | NA             | U              |                |                |                |                |                |                | 0.5                                                  | 50 GV                                                                     |
| 2-Hexanone                     | NA             | U              |                |                |                |                |                |                | 0.5                                                  | 50 GV                                                                     |
| 4-Methyl-2-pentanone           | NA             | U              |                |                |                |                |                |                | 0.5                                                  | —                                                                         |
| Acetone                        | NA             | U              |                |                |                |                |                |                | 0.5                                                  | 50 GV                                                                     |
| Carbon Disulfide               | NA             | U              |                |                |                |                |                |                | 0.5                                                  | —                                                                         |
| Methyl Acetate                 | NA             | U              |                |                |                |                |                |                | 0.5                                                  | —                                                                         |
| Methylcyclohexane              | NA             | U              |                |                |                |                |                |                | 0.5                                                  | —                                                                         |
| <b>Total VOCs</b>              | <b>80.88</b>   | <b>111.5</b>   | <b>0</b>       | <b>0</b>       | <b>0</b>       | <b>0</b>       | <b>0</b>       | <b>0</b>       |                                                      |                                                                           |

**QUALIFIERS:**

U: Compound analyzed for but not detected  
J: Compound found at a concentration below the CRDL, value estimated  
\*: Result reported as a sum of 2,2-dichloropropane and cis-1,2-dichloroethene  
E: Compound concentration exceeds instrument calibration range, value estimated  
D: Result taken from reanalysis at a secondary dilution  
B: Compound found in the method blank as well as the sample  
U\*: Result qualified as non-detect based on validation criteria

**NOTES:**

+: Value pertains to the sum of the isomers  
ST: Standard  
GV: Guidance Value  
—: Not established  
☐ Indicates value exceeds NYSDEC Class GA groundwater standard  
or guidance value  
NA: Not Analyzed for

**TABLE 2**  
**NEW CASSEL INDUSTRIAL AREA**  
**OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM**  
**MONITORING WELL SAMPLE RESULTS**  
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification        | MW-2          | MW-2        | MW-2        | MW-2       | MW-2          | MW-2         | MW-2         | MW-2          | Contract  | NYSDEC Class GA |
|------------------------------|---------------|-------------|-------------|------------|---------------|--------------|--------------|---------------|-----------|-----------------|
| Sample Depth, ft             | 110-130       | 110-130     | 110-130     | 110-130    | 110-130       | 110-130      | 110-130      | 110-130       | Required  | Groundwater     |
| Date of Collection           | 11/02/01      | 01/24/02    | 04/24/02    | 07/16/02   | 10/18/02      | 02/03/03     | 05/06/03     | 07/30/03      | Detection | Standard or     |
| Dilution Factor              | 1.0           | 1.0         | 1.0         | 1.0        | 1.0           | 1.0          | 1.0          | 1.0           | Limit     | Guidance Value  |
| Units                        | (ug/l)        | (ug/l)      | (ug/l)      | (ug/l)     | (ug/l)        | (ug/l)       | (ug/l)       | (ug/l)        | (ug/l)    | (ug/l)          |
| Dichlorodifluoromethane      | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 5 ST            |
| Chloromethane                | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 5 ST            |
| Vinyl Chloride               | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 2 ST            |
| Bromomethane                 | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 5 ST            |
| Chloroethane                 | U             | 1           | 2           | U          | 0.8           | 0.9          | 0.7          | 0.86          | 0.5       | 5 ST            |
| Fluorotrichloromethane       | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 5 ST            |
| 1,1-Dichloroethene           | 540 D         | 440 D       | 480 D       | 190 E      | 420           | 130 D        | 230 D        | 310 D         | 0.5       | 5 ST            |
| Methylene Chloride           | 1.9           | U           | U           | U          | 0.9           | U            | U*           | 0.74          | 0.5       | 5 ST            |
| trans-1,2-Dichloroethene     | U             | U           | U           | U          | U             | U            | U            | 0.77          | 0.5       | 5 ST            |
| 1,1-Dichloroethane           | 140 D         | 140 D       | 140 D       | 52 E       | 95            | 63 D         | 83 D         | 70 D          | 0.5       | 5 ST            |
| 2,2-Dichloropropane          | **            | U           | U           | U          | U             | U            | U            | U             | 0.5       | 5 ST            |
| cis-1,2-Dichloroethene       | 48 **E        | 35          | 42 D        | 17         | 39            | 38           | 32           | 36            | 0.5       | 5 ST            |
| Chloroform                   | 5.2           | 2           | 4           | 2 B        | 4             | 4            | 4.9          | 4.4           | 0.5       | 7 ST            |
| Bromochloromethane           | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 5 ST            |
| 1,1,1-Trichloroethane        | 230 D         | 220 D       | 210 D       | 75 E       | 140           | 82 D         | 100 D        | 110 D         | 0.5       | 5 ST            |
| 1,1-Dichloropropene          | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 5 ST            |
| Carbon Tetrachloride         | U             | U           | U           | U          | U             | U            | 0.8          | U             | 0.5       | 5 ST            |
| 1,2-Dichloroethane           | 2.2           | U           | 2           | U          | 2             | 2            | 2            | 1.6           | 0.5       | 0.6 ST          |
| Trichloroethene              | 580 D         | 500 D       | 450 D       | 190 E      | 360           | 210 D        | 320 D        | 350 D         | 0.5       | 5 ST            |
| 1,2-Dichloropropane          | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 1 ST            |
| Bromodichloromethane         | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 50GV            |
| Dibromomethane               | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 5 ST            |
| cis-1,3-Dichloropropene      | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 0.4 ST *        |
| trans-1,3-Dichloropropene    | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 0.4 ST *        |
| 1,1,2-Trichloroethane        | 1.5           | 2           | U           | U          | 1             | 2            | 1.4          | 1.2           | 0.5       | 1 ST            |
| 1,3-Dichloropropane          | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 5 ST            |
| Tetrachloroethene            | 40 JD         | 53 D        | 52 D        | 26         | 50            | 39           | 38 D         | 45 D          | 0.5       | 5 ST            |
| Dibromochloromethane         | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 50GV            |
| Chlorobenzene                | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 5 ST            |
| 1,1,1,2-Tetrachloroethane    | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 5 ST            |
| Bromoform                    | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 50GV            |
| 1,1,2,2-Tetrachloroethane    | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 5 ST            |
| 1,2,3-Trichloropropane       | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 0.04 ST         |
| Bromobenzene                 | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 5 ST            |
| 1,3-Dichlorobenzene          | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 3 ST            |
| 1,4-Dichlorobenzene          | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 3 ST            |
| 1,2-Dichlorobenzene          | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 3 ST            |
| 1,2,4-Trichlorobenzene       | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 5 ST            |
| Hexchlorobutadiene           | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 0.5 ST          |
| 1,2,3-Trichlorobenzene       | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 5 ST            |
| Methyl-tert-butyl ether      | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | ---             |
| Benzene                      | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 1 ST            |
| Toluene                      | U             | U           | U           | U          | U             | U            | U*           | U             | 0.5       | 5 ST            |
| Ethylbenzene                 | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 5 ST            |
| m-Xylene                     | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 5 ST            |
| p-Xylene                     | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 5 ST            |
| o-Xylene                     | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 5 ST            |
| Styrene                      | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 5 ST            |
| Isopropylbenzene (Cumene)    | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 5 ST            |
| n-Propylbenzene              | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 5 ST            |
| 1,3,5-Trimethylbenzene       | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 5 ST            |
| 2-Chlorotoluene              | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 5 ST            |
| 4-Chlorotoluene              | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 5 ST            |
| tert-Butylbenzene            | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 5 ST            |
| 1,2,4-Trimethylbenzene       | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 5 ST            |
| sec-Butylbenzene             | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 5 ST            |
| p-Isopropyltoluene(p-Cymene) | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 5 ST            |
| n-Butylbenzene               | U             | U           | U           | U          | U             | U            | U            | U             | 0.5       | 5 ST            |
| <b>Total VOCs</b>            | <b>1597.8</b> | <b>1393</b> | <b>1382</b> | <b>552</b> | <b>1112.7</b> | <b>570.9</b> | <b>812.8</b> | <b>930.57</b> |           | <b>---</b>      |

**QUALIFIERS:**

U: Compound analyzed for but not detected  
J: Compound found at a concentration below the CRDL, value estimated  
\*\*: Result reported as a sum of 2,2-dichloropropane and cis-1,2-dichloroethene  
E: Compound concentration exceeds instrument calibration range, value estimated  
D: Result taken from reanalysis at a secondary dilution  
U\*: Result qualified as non-detect based on validation criteria

**NOTES:**

\*: Value pertains to the sum of the isomers  
ST: Standard  
GV: Guidance Value  
---: Not established  
[ ] Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value

**TABLE 2**  
**NEW CASSEL INDUSTRIAL AREA**  
**OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM**  
**MONITORING WELL SAMPLE RESULTS**  
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification          | MW-2<br>110-130 | MW-2<br>110-130 | MW-2<br>110-130 | MW-2<br>110-130 | MW-2<br>110-130 | MW-2<br>110-130 | MW-2<br>110-130 | MW-2<br>110-130 | Contract<br>Required<br>Detection<br>Limit | NYSDEC Class GA<br>Groundwater<br>Standard or<br>Guidance Value |
|--------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------------------------------------------|-----------------------------------------------------------------|
| Date of Collection             | 12/09/03        | 03/10/04        |                 |                 |                 |                 |                 |                 |                                            |                                                                 |
| Dilution Factor                | 1.0             | 1.0             | 1.0             | 1.0             | 1.0             | 1.0             | 1.0             | 1.0             |                                            |                                                                 |
| Units                          | (ug/l)          | (ug/l)          | (ug/l)          | (ug/l)          | (ug/l)          | (ug/l)          | (ug/l)          | (ug/l)          | (ug/l)                                     | (ug/l)                                                          |
| Dichlorodifluoromethane        | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| Chloromethane                  | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| Vinyl Chloride                 | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                        | 2 ST                                                            |
| Bromomethane                   | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| Chloroethane                   | 1.1             | 0.8 J           |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| Fluorotrichloromethane         | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| 1,1-Dichloroethene             | 220 D           | 250 D           |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| Methylene Chloride             | 0.76            | U               |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| trans-1,2-Dichloroethene       | 0.53            | U               |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| 1,1-Dichloroethane             | 85 D            | 87              |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| 2,2-Dichloropropane            | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| cis-1,2-Dichloroethene         | 29              | 30              |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| Chloroform                     | 4.3             | 3 J             |                 |                 |                 |                 |                 |                 | 0.5                                        | 7 ST                                                            |
| Bromochloromethane             | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| 1,1,1-Trichloroethane          | 93 D            | 140             |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| 1,1-Dichloropropene            | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| Carbon Tetrachloride           | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| 1,2-Dichloroethane             | 1.5             | 1 J             |                 |                 |                 |                 |                 |                 | 0.5                                        | 0.6 ST                                                          |
| Trichloroethene                | 240 D           | 290 D           |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| 1,2-Dichloropropane            | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                        | 1 ST                                                            |
| Bromodichloromethane           | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                        | 50GV                                                            |
| Dibromomethane                 | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| cis-1,3-Dichloropropene        | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                        | 0.4 ST *                                                        |
| trans-1,3-Dichloropropene      | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                        | 0.4 ST *                                                        |
| 1,1,2-Trichloroethane          | 1.3             | U               |                 |                 |                 |                 |                 |                 | 0.5                                        | 1 ST                                                            |
| 1,3-Dichloropropane            | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| Tetrachloroethene              | 38 D            | 43              |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| Dibromochloromethane           | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                        | 50GV                                                            |
| Chlorobenzene                  | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| 1,1,1,2-Tetrachloroethane      | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| Bromoform                      | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                        | 50GV                                                            |
| 1,1,2,2-Tetrachloroethane      | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| 1,2,3-Trichloropropane         | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                        | 0.04 ST                                                         |
| Bromobenzene                   | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| 1,3-Dichlorobenzene            | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                        | 3 ST                                                            |
| 1,4-Dichlorobenzene            | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                        | 3 ST                                                            |
| 1,2-Dichlorobenzene            | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                        | 3 ST                                                            |
| 1,2,4-Trichlorobenzene         | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| Hexachlorobutadiene            | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                        | 0.5 ST                                                          |
| 1,2,3-Trichlorobenzene         | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| Methyl-tert-butyl ether        | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                        | ----                                                            |
| Benzene                        | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                        | 1 ST                                                            |
| Toluene                        | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| Ethylbenzene                   | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| m-Xylene                       | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| p-Xylene                       | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| o-Xylene                       | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| Styrene                        | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| Isopropylbenzene (Cumene)      | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| n-Propylbenzene                | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| 1,3,5-Trimethylbenzene         | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| 2-Chlorotoluene                | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| 4-Chlorotoluene                | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| tert-Butylbenzene              | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| 1,2,4-Trimethylbenzene         | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| sec-Butylbenzene               | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| p-Isopropyltoluene(p-Cymene)   | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| n-Butylbenzene                 | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| 1,1,2-Trichlorotrifluoroethane | NA              | U               |                 |                 |                 |                 |                 |                 | 0.5                                        | 5 ST                                                            |
| 1,2-Dibromo-3-chloropropane    | NA              | U               |                 |                 |                 |                 |                 |                 | 0.5                                        | 0.04 ST                                                         |
| 1,2-Dibromoethane              | NA              | U               |                 |                 |                 |                 |                 |                 | 0.5                                        | 0.0006 ST                                                       |
| 2-Butanone                     | NA              | U               |                 |                 |                 |                 |                 |                 | 0.5                                        | 50 GV                                                           |
| 2-Hexanone                     | NA              | U               |                 |                 |                 |                 |                 |                 | 0.5                                        | 50 GV                                                           |
| 4-Methyl-2-pentanone           | NA              | U               |                 |                 |                 |                 |                 |                 | 0.5                                        | ----                                                            |
| Acetone                        | NA              | U               |                 |                 |                 |                 |                 |                 | 0.5                                        | 50 GV                                                           |
| Carbon Disulfide               | NA              | U               |                 |                 |                 |                 |                 |                 | 0.5                                        | ----                                                            |
| Methyl Acetate                 | NA              | U               |                 |                 |                 |                 |                 |                 | 0.5                                        | ----                                                            |
| Methyldichloromethane          | NA              | U               |                 |                 |                 |                 |                 |                 | 0.5                                        | ----                                                            |
| <b>Total VOCs</b>              | <b>694.49</b>   | <b>844.8</b>    | <b>0</b>        | <b>0</b>        | <b>0</b>        | <b>0</b>        | <b>0</b>        | <b>0</b>        |                                            |                                                                 |

**QUALIFIERS:**

U: Compound analyzed for but not detected  
J: Compound found at a concentration below the CRDL, value estimated  
\*: Result reported as a sum of 2,2-dichloropropane and cis-1,2-dichloroethene  
E: Compound concentration exceeds instrument calibration range, value estimated  
D: Result taken from reanalysis at a secondary dilution  
U\*: Result qualified as non-detect based on validation criteria

**NOTES:**

\*: Value pertains to the sum of the isomers  
ST: Standard  
GV: Guidance Value  
----: Not established  
☐ Indicates value exceeds NYSDEC Class GA groundwater standard  
or guidance value  
NA: Not Analyzed for

**TABLE 2**  
**NEW CASSEL INDUSTRIAL AREA**  
**OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM**  
**MONITORING WELL SAMPLE RESULTS**  
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification        | MW-3     | MW-3     | MW-3     | MW-3     | MW-3     | MW-3     | MW-3     | MW-3     | Contract  | NYSDEC Class GA |
|------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------------|
| Sample Depth, ft             | 130-150  | 130-150  | 130-150  | 130-150  | 130-150  | 130-150  | 130-150  | 130-150  | Required  | Groundwater     |
| Date of Collection           | 11/02/01 | 01/24/02 | 04/24/02 | 07/16/02 | 10/16/02 | 02/03/03 | 05/06/03 | 07/30/03 | Detection | Standard or     |
| Dilution Factor              | 1.0      | 1.0      | 50.0     | 1.0      | 1.0      | 1.0      | 1.0      | 1.0      | Limit     | Guidance Value  |
| Units                        | (ug/l)   | (ug/l)   | (ug/l)   | (ug/l)   | (ug/l)   | (ug/l)   | (ug/l)   | (ug/l)   | (ug/l)    | (ug/l)          |
| Dichlorodifluoromethane      | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| Chloromethane                | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| Vinyl Chloride               | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 2 ST            |
| Bromomethane                 | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| Chloroethane                 | 0.7      | 1        | U        | 1        | U        | 1        | 0.7      | 0.98     | 0.5       | 5 ST            |
| Fluorotrichloromethane       | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| 1,1-Dichloroethene           | 900 D    | 770 D    | 390 D    | 670 E    | 275 D    | 190 D    | 380 D    | 730 D    | 0.5       | 5 ST            |
| Methylene Chloride           | 7.1      | U        | 50 D     | 3        | 0.9      | 3        | U*       | 2.2      | 0.5       | 5 ST            |
| trans-1,2-Dichloroethene     | 0.5      | U        | U        | U        | U        | U        | U        | 1        | 0.5       | 5 ST            |
| 1,1-Dichloroethane           | 230 D    | 250 D    | 130 D    | 210 E    | 70 D     | 110 D    | 140 D    | 150 D    | 0.5       | 5 ST            |
| 2,2-Dichloropropane          | **       | U        | **       | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| cis-1,2-Dichloroethene       | 54 **E   | 40       | 25 **D   | 40 E     | 21       | 34       | 32       | 34 D     | 0.5       | 5 ST            |
| Chloroform                   | 5.7      | 3        | U        | U        | 2        | 4        | 4.1      | 4.1      | 0.5       | 7 ST            |
| Bromochloromethane           | U        | U        | U        | 4 B      | U        | U        | U        | U        | 0.5       | 5 ST            |
| 1,1,1-Trichloroethane        | 350 D    | 350 D    | 160 D    | 270 E    | 107 D    | 120 D    | 180 D    | 270 D    | 0.5       | 5 ST            |
| 1,1-Dichloropropane          | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| Carbon Tetrachloride         | U        | U        | U        | U        | U        | U        | 0.93     | U        | 0.5       | 5 ST            |
| 1,2-Dichloroethane           | 5.1      | U        | U        | U        | 2        | 5        | 3.4      | 4.1      | 0.5       | 0.6 ST          |
| Trichloroethene              | 1200 D   | 1000 D   | 490 D    | 920 E    | 322 D    | 440 D    | 700 D    | 1000 D   | 0.5       | 5 ST            |
| 1,2-Dichloropropane          | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 1 ST            |
| Bromodichloromethane         | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 50GV            |
| Dibromomethane               | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| cis-1,3-Dichloropropene      | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 0.4 ST *        |
| trans-1,3-Dichloropropene    | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 0.4 ST *        |
| 1,1,2-Trichloroethane        | 2.1      | 2        | U        | 2        | 0.8      | 2        | 2        | 1.7      | 0.5       | 1 ST            |
| 1,3-Dichloropropane          | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| Tetrachloroethene            | 67 E     | 74 D     | 28 D     | 70 E     | 22       | 27 D     | 55 D     | 73 D     | 0.5       | 5 ST            |
| Dibromochloromethane         | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 50GV            |
| Chlorobenzene                | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| 1,1,1,2-Tetrachloroethane    | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| Bromolorm                    | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 50GV            |
| 1,1,2,2-Tetrachloroethane    | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| 1,2,3-Trichloropropane       | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 0.04 ST         |
| Bromobenzene                 | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| 1,3-Dichlorobenzene          | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 3 ST            |
| 1,4-Dichlorobenzene          | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 3 ST            |
| 1,2-Dichlorobenzene          | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 3 ST            |
| 1,2,4-Trichlorobenzene       | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| Hexachlorobutadiene          | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 0.5 ST          |
| 1,2,3-Trichlorobenzene       | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| Methyl-tert-butyl ether      | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | ----            |
| Benzene                      | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 1 ST            |
| Toluene                      | U        | U        | U        | U        | U        | U        | U*       | U        | 0.5       | 5 ST            |
| Ethylbenzene                 | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| m-Xylene                     | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| p-Xylene                     | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| o-Xylene                     | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| Styrene                      | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| Isopropylbenzene (Cumene)    | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| n-Propylbenzene              | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| 1,3,5-Trimethylbenzene       | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| 2-Chlorotoluene              | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| 4-Chlorotoluene              | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| tert-Butylbenzene            | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| 1,2,4-Trimethylbenzene       | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| sec-Butylbenzene             | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| p-Isopropyltoluene(p-Cymene) | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| n-Butylbenzene               | U        | U        | U        | U        | U        | U        | U        | U        | 0.5       | 5 ST            |
| <b>Total VOCs</b>            | 2822.2   | 2490     | 1273     | 2190     | 822.7    | 936      | 1498.13  | 2271.08  |           | ----            |

**QUALIFIERS:**

U: Compound analyzed for but not detected  
J: Compound found at a concentration below the CRDL, value estimated  
\*\*: Result reported as a sum of 2,2- dichloropropane and cis-1,2-dichloroethene  
E: Compound concentration exceeds instrument calibration range, value estimated  
D: Result taken from reanalysis at a secondary dilution  
B: Compound found in the method blank as well as the sample  
\*: Sample result highly estimated, based on validation criteria  
U\*: Result qualified as non-detect based on validation criteria

**NOTES:**

\*: Value pertains to the sum of the isomers  
ST: Standard  
GV: Guidance Value  
----: Not established  
[ ] Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value

**TABLE 2**  
**NEW CASSEL INDUSTRIAL AREA**  
**OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM**  
**MONITORING WELL SAMPLE RESULTS**  
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification          | MW-3<br>130-150 | MW-3<br>130-150 | MW-3<br>130-150 | MW-3<br>130-150 | MW-3<br>130-150 | MW-3<br>130-150 | MW-3<br>130-150 | MW-3<br>130-150 | Contract<br>Required<br>Detection<br>Limit<br>(ug/l) | NYSDEC Class GA<br>Groundwater<br>Standard or<br>Guidance Value<br>(ug/l) |
|--------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------------------------------------------|---------------------------------------------------------------------------|
| Sample Depth, ft               | 12/09/03        | 03/10/04        |                 |                 |                 |                 |                 |                 |                                                      |                                                                           |
| Date of Collection             | 10.0            | 1.0             | 50.0            | 1.0             | 1.0             | 1.0             | 1.0             | 1.0             |                                                      |                                                                           |
| Dilution Factor                | (ug/l)          | (ug/l)          | (ug/l)          | (ug/l)          | (ug/l)          | (ug/l)          | (ug/l)          | (ug/l)          |                                                      |                                                                           |
| Units                          |                 |                 |                 |                 |                 |                 |                 |                 |                                                      |                                                                           |
| Dichlorodifluoromethane        | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| Chloromethane                  | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| Vinyl Chloride                 | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 2 ST                                                                      |
| Bromomethane                   | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| Chloroethane                   | U               | 0.5 J           |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| Fluorotrichloromethane         | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| 1,1-Dichloroethene             | 380             | 500 D           |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| Methylene Chloride             | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| trans-1,2-Dichloroethene       | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| 1,1-Dichloroethane             | 100             | 110             |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| 2,2-Dichloropropane            | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| cis-1,2-Dichloroethene         | 29              | 30              |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| Chloroform                     | U               | 3 J             |                 |                 |                 |                 |                 |                 | 0.5                                                  | 7 ST                                                                      |
| Bromochloromethane             | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| 1,1,1-Trichloroethane          | 179             | 200 D           |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| 1,1-Dichloropropene            | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| Carbon Tetrachloride           | U*              | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| 1,2-Dichloroethane             | U*              | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 0.6 ST                                                                    |
| Trichloroethene                | 580 D           | 700 D           |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| 1,2-Dichloropropane            | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 1 ST                                                                      |
| Bromodichloromethane           | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 50GV                                                                      |
| Dibromomethane                 | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| cis-1,3-Dichloropropene        | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 0.4 ST *                                                                  |
| trans-1,3-Dichloropropene      | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 0.4 ST *                                                                  |
| 1,1,2-Trichloroethane          | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 1 ST                                                                      |
| 1,3-Dichloropropane            | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| Tetrachloroethene              | 51              | 55              |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| Dibromochloromethane           | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 50GV                                                                      |
| Chlorobenzene                  | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| 1,1,1,2-Tetrachloroethane      | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| Bromoform                      | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 50GV                                                                      |
| 1,1,2,2-Tetrachloroethane      | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| 1,2,3-Trichloropropane         | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                                  | 0.04 ST                                                                   |
| Bromobenzene                   | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| 1,3-Dichlorobenzene            | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 3 ST                                                                      |
| 1,4-Dichlorobenzene            | U               | 0.4 J           |                 |                 |                 |                 |                 |                 | 0.5                                                  | 3 ST                                                                      |
| 1,2-Dichlorobenzene            | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 3 ST                                                                      |
| 1,2,4-Trichlorobenzene         | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| Hexachlorobutadiene            | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                                  | 0.5 ST                                                                    |
| 1,2,3-Trichlorobenzene         | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| Methyl-tert-butyl ether        | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | ---                                                                       |
| Benzene                        | U               | 0.1 J           |                 |                 |                 |                 |                 |                 | 0.5                                                  | 1 ST                                                                      |
| Toluene                        | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| Ethylbenzene                   | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| m-Xylene                       | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| p-Xylene                       | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| o-Xylene                       | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| Styrene                        | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| Isopropylbenzene (Cumene)      | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| n-Propylbenzene                | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| 1,3,5-Trimethylbenzene         | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| 2-Chlorotoluene                | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| 4-Chlorotoluene                | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| tert-Butylbenzene              | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| 1,2,4-Trimethylbenzene         | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| sec-Butylbenzene               | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| p-Isopropyltoluene(p-Cymene)   | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| n-Butylbenzene                 | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| 1,1,2-Trichlorotrifluoroethane | NA              | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| 1,2-Dibromo-3-chloropropane    | NA              | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 0.04 ST                                                                   |
| 1,2-Dibromoethane              | NA              | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 0.0006 ST                                                                 |
| 2-Butanone                     | NA              | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 50 GV                                                                     |
| 2-Hexanone                     | NA              | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 50 GV                                                                     |
| 4-Methyl-2-pentanone           | NA              | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | ---                                                                       |
| Acetone                        | NA              | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 50 GV                                                                     |
| Carbon Disulfide               | NA              | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | ---                                                                       |
| Methyl Acetate                 | NA              | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | ---                                                                       |
| Methylcyclohexane              | NA              | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | ---                                                                       |
| <b>Total VOCs</b>              | <b>1310</b>     | <b>1599</b>     | <b>0</b>        | <b>0</b>        | <b>0</b>        | <b>0</b>        | <b>0</b>        | <b>0</b>        |                                                      |                                                                           |

**QUALIFIERS:**

U: Compound analyzed for but not detected  
J: Compound found at a concentration below the CRDL, value estimated  
\*\* : Result reported as a sum of 2,2-dichloropropane and cis-1,2-dichloroethene  
E: Compound concentration exceeds instrument calibration range, value estimated  
D: Result taken from reanalysis at a secondary dilution  
B: Compound found in the method blank as well as the sample  
\*: Sample result highly estimated, based on validation criteria  
U\*: Result qualified as non-detect based on validation criteria

**NOTES:**

\*: Value pertains to the sum of the isomers  
ST: Standard  
GV: Guidance Value  
---: Not established  
[ ] indicates value exceeds NYSDEC Class GA groundwater standard  
or guidance value  
NA: Not Analyzed for

**TABLE 2**  
**NEW CASSEL INDUSTRIAL AREA**  
**OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM**  
**MONITORING WELL SAMPLE RESULTS**  
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification        | MW-4<br>180-200 | MW-4<br>180-200 | MW-4<br>180-200 | MW-4<br>180-200 | MW-4<br>180-200 | MW-4<br>180-200 | MW-4<br>180-200 | MW-4<br>180-200 | Contract<br>Required<br>Detection<br>Limit<br>(ug/l) | NYSDEC Class GA<br>Groundwater<br>Standard or<br>Guidance Value<br>(ug/l) |
|------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------------------------------------------|---------------------------------------------------------------------------|
| Sample Depth, ft             | 11/02/01        | 01/24/02        | 04/24/02        | 07/16/02        | 10/17/02        | 02/03/03        | 05/06/03        | 07/30/03        |                                                      |                                                                           |
| Date of Collection           | 1.0             | 1.0             | 50.0            | 1.0             | 10.0            | 10.0            | 1.0             | 1.0             |                                                      |                                                                           |
| Dilution Factor              | (ug/l)          | (ug/l)          | (ug/l)          | (ug/l)          | (ug/l)          | (ug/l)          | (ug/l)          | (ug/l)          |                                                      |                                                                           |
| Units                        |                 |                 |                 |                 |                 |                 |                 |                 |                                                      |                                                                           |
| Dichlorodifluoromethane      | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 5 ST                                                                      |
| Chloromethane                | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 5 ST                                                                      |
| Vinyl Chloride               | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 2 ST                                                                      |
| Bromomethane                 | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 5 ST                                                                      |
| Chloroethane                 | 0.7             | 1               | U               | U               | U               | 1               | 1.1             | 0.95            | 0.5                                                  | 5 ST                                                                      |
| Fluorotrichloromethane       | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 5 ST                                                                      |
| 1,1-Dichloroethene           | 1100 D          | 750 D           | 530 D           | 520 D           | 911 D           | 690 D           | 550 D           | 720 D           | 0.5                                                  | 5 ST                                                                      |
| Methylene Chloride           | 8.9             | U               | 55 D            | U               | 7               | 3               | U*              | 3.6             | 0.5                                                  | 5 ST                                                                      |
| trans-1,2-Dichloroethene     | 0.8             | U               | U               | U               | U               | U               | 0.54            | 1.5             | 0.5                                                  | 5 ST                                                                      |
| 1,1-Dichloroethane           | 310 D           | 280 D           | 180 D           | 170 D           | 310             | 250 D           | 250 D           | 200 D           | 0.5                                                  | 5 ST                                                                      |
| 2,2-Dichloropropane          | **              | U               | **              | U               | U               | U               | U               | U               | 0.5                                                  | 5 ST                                                                      |
| cis-1,2-Dichloroethene       | 82 **E          | 64 D            | 43 **D          | 38 D            | 64              | 57 D            | 57 D            | 43 D            | 0.5                                                  | 5 ST                                                                      |
| Chloroform                   | 2.4             | 3               | U               | 37 BD           | 4 J             | 3               | 3.2             | 3               | 0.5                                                  | 7 ST                                                                      |
| Bromochloromethane           | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 5 ST                                                                      |
| 1,1,1-Trichloroethane        | 350 D           | 280 D           | 180 D           | 170 D           | 320             | 270 D           | 190 D           | 210 D           | 0.5                                                  | 5 ST                                                                      |
| 1,1-Dichloropropane          | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 5 ST                                                                      |
| Carbon Tetrachloride         | U               | U               | U               | U               | U               | U               | 1.2             | U               | 0.5                                                  | 5 ST                                                                      |
| 1,2-Dichloroethane           | 7               | U               | U               | U               | 7               | 6               | 5.6             | 6.4             | 0.5                                                  | 0.6 ST                                                                    |
| Trichloroethene              | 1000 D          | 790 D           | 550 D           | 480 D           | 895 D           | 760 D           | 750 D           | 680 D           | 0.5                                                  | 5 ST                                                                      |
| 1,2-Dichloropropane          | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 1 ST                                                                      |
| Bromodichloromethane         | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 50GV                                                                      |
| Dibromomethane               | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 5 ST                                                                      |
| cis-1,3-Dichloropropene      | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 0.4 ST *                                                                  |
| trans-1,3-Dichloropropene    | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 0.4 ST *                                                                  |
| 1,1,2-Trichloroethane        | 3.6             | 3               | U               | 4               | 4 J             | 3               | 3               | 2.7             | 0.5                                                  | 1 ST                                                                      |
| 1,3-Dichloropropane          | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 5 ST                                                                      |
| Tetrachloroethene            | 150 D           | 130 D           | 38 D*           | 77 D            | 130             | 120 D           | 99 D            | 110 D           | 0.5                                                  | 5 ST                                                                      |
| Dibromochloromethane         | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 50GV                                                                      |
| Chlorobenzene                | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 5 ST                                                                      |
| 1,1,1,2-Tetrachloroethane    | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 5 ST                                                                      |
| Bromoform                    | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 50GV                                                                      |
| 1,1,2,2-Tetrachloroethane    | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 5 ST                                                                      |
| 1,2,3-Trichloropropane       | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 0.04 ST                                                                   |
| Bromobenzene                 | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 5 ST                                                                      |
| 1,3-Dichlorobenzene          | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 3 ST                                                                      |
| 1,4-Dichlorobenzene          | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 3 ST                                                                      |
| 1,2-Dichlorobenzene          | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 3 ST                                                                      |
| 1,2,4-Trichlorobenzene       | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 5 ST                                                                      |
| Hexchlorobutadiene           | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 0.5 ST                                                                    |
| 1,2,3-Trichlorobenzene       | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 5 ST                                                                      |
| Methyl-tert-butyl ether      | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | —                                                                         |
| Benzene                      | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 1 ST                                                                      |
| Toluene                      | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 5 ST                                                                      |
| Ethylbenzene                 | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 5 ST                                                                      |
| m-Xylene                     | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 5 ST                                                                      |
| p-Xylene                     | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 5 ST                                                                      |
| o-Xylene                     | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 5 ST                                                                      |
| Styrene                      | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 5 ST                                                                      |
| Isopropylbenzene (Cumene)    | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 5 ST                                                                      |
| n-Propylbenzene              | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 5 ST                                                                      |
| 1,3,5-Trimethylbenzene       | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 5 ST                                                                      |
| 2-Chlorotoluene              | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 5 ST                                                                      |
| 4-Chlorotoluene              | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 5 ST                                                                      |
| tert-Butylbenzene            | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 5 ST                                                                      |
| 1,2,4-Trimethylbenzene       | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 5 ST                                                                      |
| sec-Butylbenzene             | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 5 ST                                                                      |
| p-Isopropyltoluene(p-Cymene) | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 5 ST                                                                      |
| n-Butylbenzene               | U               | U               | U               | U               | U               | U               | U               | U               | 0.5                                                  | 5 ST                                                                      |
| <b>Total VOCs</b>            | <b>3015.4</b>   | <b>2301</b>     | <b>1576</b>     | <b>1496</b>     | <b>2652</b>     | <b>2163</b>     | <b>1910.64</b>  | <b>1981.15</b>  |                                                      |                                                                           |

**QUALIFIERS:**

U: Compound analyzed for but not detected  
J: Compound found at a concentration below the CRDL, value estimated  
\*\*: Result reported as a sum of 2,2- dichloropropane and cis-1,2-dichloroethene  
E: Compound concentration exceeds instrument calibration range, value estimated  
D: Result taken from reanalysis at a secondary dilution  
B: Compound found in the method blank as well as the sample  
U\*: Result qualified as non-detect based on validation criteria

**NOTES:**

\*: Value pertains to the sum of the isomers  
ST: Standard  
GV: Guidance Value  
---: Not established  
☐ Indicates value exceeds NYSDEC Class GA groundwater standard  
or guidance value

**TABLE 2**  
**NEW CASSEL INDUSTRIAL AREA**  
**OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM**  
**MONITORING WELL SAMPLE RESULTS**  
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification          | MW-4<br>180-200 | MW-4<br>180-200 | MW-4<br>180-200 | MW-4<br>180-200 | MW-4<br>180-200 | MW-4<br>180-200 | MW-4<br>180-200 | MW-4<br>180-200 | Contract<br>Required<br>Detection<br>Limit<br>(ug/l) | NYSDEC Class GA<br>Groundwater<br>Standard or<br>Guidance Value<br>(ug/l) |
|--------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------------------------------------------|---------------------------------------------------------------------------|
| Sample Depth, ft               | 12/08/03        | 03/10/04        |                 |                 |                 |                 |                 |                 |                                                      |                                                                           |
| Date of Collection             | 10.0            | 1.0             | 1.0             | 1.0             | 1.0             | 1.0             | 1.0             | 1.0             |                                                      |                                                                           |
| Dilution Factor                | (ug/l)          | (ug/l)          | (ug/l)          | (ug/l)          | (ug/l)          | (ug/l)          | (ug/l)          | (ug/l)          |                                                      |                                                                           |
| Units                          |                 |                 |                 |                 |                 |                 |                 |                 |                                                      |                                                                           |
| Dichlorodifluoromethane        | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| Chloromethane                  | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| Vinyl Chloride                 | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 2 ST                                                                      |
| Bromomethane                   | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| Chloroethane                   | U               | 1 J             |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| Fluorotrichloromethane         | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| 1,1-Dichloroethene             | 900 D           | 850 D           |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| Methylene Chloride             | U               | 3 J             |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| trans-1,2-Dichloroethene       | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| 1,1-Dichloroethane             | 200             | 210 D           |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| 2,2-Dichloropropane            | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| cis-1,2-Dichloroethene         | 45              | 47              |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| Chloroform                     | U               | 3 J             |                 |                 |                 |                 |                 |                 | 0.5                                                  | 7 ST                                                                      |
| Bromochloromethane             | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| 1,1,1-Trichloroethane          | 250             | 280 D           |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| 1,1-Dichloropropene            | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| Carbon Tetrachloride           | U*              | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| 1,2-Dichloroethane             | 8.1             | 7 J             |                 |                 |                 |                 |                 |                 | 0.5                                                  | 0.6 ST                                                                    |
| Trichloroethene                | 980 D           | 780 D           |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| 1,2-Dichloropropane            | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 1 ST                                                                      |
| Bromodichloromethane           | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 50GV                                                                      |
| Dibromomethane                 | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| cis-1,3-Dichloropropene        | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 0.4 ST *                                                                  |
| trans-1,3-Dichloropropene      | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 0.4 ST *                                                                  |
| 1,1,2-Trichloroethane          | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 1 ST                                                                      |
| 1,3-Dichloropropane            | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| Tetrachloroethene              | 120             | 140             |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| Dibromochloromethane           | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 50GV                                                                      |
| Chlorobenzene                  | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| 1,1,1,2-Tetrachloroethane      | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| Bromoform                      | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 50GV                                                                      |
| 1,1,2,2-Tetrachloroethane      | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| 1,2,3-Trichloropropane         | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                                  | 0.04 ST                                                                   |
| Bromobenzene                   | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| 1,3-Dichlorobenzene            | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 3 ST                                                                      |
| 1,4-Dichlorobenzene            | U               | 0.4 J           |                 |                 |                 |                 |                 |                 | 0.5                                                  | 3 ST                                                                      |
| 1,2-Dichlorobenzene            | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 3 ST                                                                      |
| 1,2,4-Trichlorobenzene         | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| Hexachlorobutadiene            | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                                  | 0.5 ST                                                                    |
| 1,2,3-Trichlorobenzene         | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| Methyl-tert-butyl ether        | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | —                                                                         |
| Benzene                        | U               | 0.2 J           |                 |                 |                 |                 |                 |                 | 0.5                                                  | 1 ST                                                                      |
| Toluene                        | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| Ethylbenzene                   | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| m-Xylene                       | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| p-Xylene                       | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| o-Xylene                       | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| Styrene                        | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| Isopropylbenzene (Cumene)      | U               | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| n-Propylbenzene                | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| 1,3,5-Trimethylbenzene         | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| 2-Chlorotoluene                | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| 4-Chlorotoluene                | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| tert-Butylbenzene              | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| 1,2,4-Trimethylbenzene         | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| sec-Butylbenzene               | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| p-Isopropyltoluene(p-Cymene)   | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| n-Butylbenzene                 | U               | NA              |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| 1,1,2-Trichlorotrifluoroethane | NA              | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 5 ST                                                                      |
| 1,2-Dibromo-3-chloropropane    | NA              | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 0.04 ST                                                                   |
| 1,2-Dibromoethane              | NA              | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 0.0006 ST                                                                 |
| 2-Butanone                     | NA              | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 50 GV                                                                     |
| 2-Hexanone                     | NA              | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 50 GV                                                                     |
| 4-Methyl-2-pentanone           | NA              | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | —                                                                         |
| Acetone                        | NA              | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | 50 GV                                                                     |
| Carbon Disulfide               | NA              | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | —                                                                         |
| Methyl Acetate                 | NA              | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | —                                                                         |
| Methylcyclohexane              | NA              | U               |                 |                 |                 |                 |                 |                 | 0.5                                                  | —                                                                         |
| <b>Total VOCs</b>              | <b>1903.1</b>   | <b>2321.6</b>   | <b>0</b>        | <b>0</b>        | <b>0</b>        | <b>0</b>        | <b>0</b>        | <b>0</b>        |                                                      | <b>—</b>                                                                  |

**QUALIFIERS:**

U: Compound analyzed for but not detected  
J: Compound found at a concentration below the CRDL, value estimated  
\*: Result reported as a sum of 2,2-dichloropropane and cis-1,2-dichloroethene  
E: Compound concentration exceeds instrument calibration range, value estimated  
D: Result taken from reanalysis at a secondary dilution  
B: Compound found in the method blank as well as the sample  
U\*: Result qualified as non-detect based on validation criteria

**NOTES:**

\*: Value pertains to the sum of the isomers  
ST: Standard  
GV: Guidance Value  
—: Not established  
[ ] Indicates value exceeds NYSDEC Class GA groundwater standard  
or guidance value  
NA: Not Analyzed for

**TABLE 2**  
**NEW CASSEL INDUSTRIAL AREA**  
**OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM**  
**MONITORING WELL SAMPLE RESULTS**  
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification        | MW-5        | MW-5        | MW-5        | MW-5      | MW-5      | MW-5       | MW-5***       | MW-5         | Contract  | NYSDEC Class GA |
|------------------------------|-------------|-------------|-------------|-----------|-----------|------------|---------------|--------------|-----------|-----------------|
| Sample Depth, ft             | 90-110      | 90-110      | 90-110      | 90-110    | 90-110    | 90-110     | 90-110        | 90-110       | Required  | Groundwater     |
| Date of Collection           | 11/05/01    | 01/24/02    | 04/25/02    | 07/17/02  | 10/18/02  | 01/30/03   | 05/07/03      | 07/29/03     | Detection | Standard or     |
| Dilution Factor              | 1.0         | 1.0         | 1.0         | 1.0       | 5.0       | 1.0        | 1.0           | 1.0          | Limit     | Guidance Value  |
| Units                        | (ug/l)      | (ug/l)      | (ug/l)      | (ug/l)    | (ug/l)    | (ug/l)     | (ug/l)        | (ug/l)       | (ug/l)    | (ug/l)          |
| Dichlorodifluoromethane      | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 5 ST            |
| Chloromethane                | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 5 ST            |
| Vinyl Chloride               | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 2 ST            |
| Bromomethane                 | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 5 ST            |
| Chloroethane                 | U           | U           | U           | U         | U         | U          | 0.68          | U            | 0.5       | 5 ST            |
| Fluorotrichloromethane       | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 5 ST            |
| 1,1-Dichloroethene           | 11          | 10          | 3           | 2         | 8         | 55 D       | 180 D         | 17           | 0.5       | 5 ST            |
| Methylene Chloride           | U           | U           | U           | U         | U         | U          | U*            | U*           | 0.5       | 5 ST            |
| trans-1,2-Dichloroethene     | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 5 ST            |
| 1,1-Dichloroethane           | 1.5         | 2           | 0.8         | U         | 2         | 13         | 50 D          | 6.4          | 0.5       | 5 ST            |
| 2,2-Dichloropropane          | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 5 ST            |
| cis-1,2-Dichloroethene       | U           | 0.5         | 1           | 6         | 12        | 8          | 9.4           | U            | 0.5       | 5 ST            |
| Chloroform                   | U           | U           | 0.3 J       | U         | U         | U          | 1.2           | 0.55         | 0.5       | 7 ST            |
| Bromochloromethane           | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 5 ST            |
| 1,1,1-Trichloroethane        | 15          | 15          | 4           | 3         | 7         | 39         | 190 D         | 35           | 0.5       | 5 ST            |
| 1,1-Dichloropropene          | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 5 ST            |
| Carbon Tetrachloride         | U           | U           | U           | U         | U         | U          | 0.74          | U            | 0.5       | 5 ST            |
| 1,2-Dichloroethane           | U           | U           | U           | U         | U         | U          | 0.99          | U            | 0.5       | 0.6 ST          |
| Trichloroethene              | 2.5         | 2           | 2           | 1         | 7         | 35         | 84 D          | 2.6          | 0.5       | 5 ST            |
| 1,2-Dichloropropane          | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 1 ST            |
| Bromodichloromethane         | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 50GV            |
| Dibromomethane               | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 5 ST            |
| cis-1,3-Dichloropropene      | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 0.4 ST          |
| trans-1,3-Dichloropropene    | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 0.4 ST          |
| 1,1,2-Trichloroethane        | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 1 ST            |
| 1,3-Dichloropropane          | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 5 ST            |
| Tetrachloroethene            | 3.7         | 16          | 25          | 19        | 9         | 18         | 64 D          | 11           | 0.5       | 5 ST            |
| Dibromochloromethane         | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 50GV            |
| Chlorobenzene                | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 5 ST            |
| 1,1,1,2-Tetrachloroethane    | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 5 ST            |
| Bromoform                    | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 50GV            |
| 1,1,2,2-Tetrachloroethane    | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 5 ST            |
| 1,2,3-Trichloropropane       | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 0.04 ST         |
| Bromobenzene                 | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 5 ST            |
| 1,3-Dichlorobenzene          | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 3 ST            |
| 1,4-Dichlorobenzene          | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 3 ST            |
| 1,2-Dichlorobenzene          | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 3 ST            |
| 1,2,4-Trichlorobenzene       | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 5 ST            |
| Hexchlorobutadiene           | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 0.5 ST          |
| 1,2,3-Trichlorobenzene       | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 5 ST            |
| Methyl-tert-butyl ether      | U           | U           | U           | U         | U         | U          | 0.72          | U            | 0.5       | ---             |
| Benzene                      | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 1 ST            |
| Toluene                      | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 5 ST            |
| Ethylbenzene                 | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 5 ST            |
| m-Xylene                     | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 5 ST            |
| p-Xylene                     | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 5 ST            |
| o-Xylene                     | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 5 ST            |
| Styrene                      | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 5 ST            |
| Isopropylbenzene (Cumene)    | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 5 ST            |
| n-Propylbenzene              | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 5 ST            |
| 1,3,5-Trimethylbenzene       | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 5 ST            |
| 2-Chlorotoluene              | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 5 ST            |
| 4-Chlorotoluene              | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 5 ST            |
| tert-Butylbenzene            | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 5 ST            |
| 1,2,4-Trimethylbenzene       | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 5 ST            |
| sec-Butylbenzene             | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 5 ST            |
| p-Isopropyltoluene(p-Cymene) | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 5 ST            |
| n-Butylbenzene               | U           | U           | U           | U         | U         | U          | U             | U            | 0.5       | 5 ST            |
| <b>Total VOCs</b>            | <b>33.7</b> | <b>45.5</b> | <b>36.1</b> | <b>31</b> | <b>45</b> | <b>166</b> | <b>581.73</b> | <b>72.55</b> |           | <b>---</b>      |

**QUALIFIERS:**

U: Compound analyzed for but not detected  
J: Compound found at a concentration below the CRDL, value estimated  
\*: Result reported as a sum of 2,2-dichloropropane and cis-1,2-dichloroethene  
E: Compound concentration exceeds instrument calibration range, value estimated  
D: Result taken from reanalysis at a secondary dilution  
B: Compound found in the method blank as well as the sample  
U\*: Result qualified as non-detect based on validation criteria  
\*\*\*: Based upon review of historical results and the 8th quarter results it appears that samples MW-5 and MW-6 were inadvertently switched during the May 2003 sampling event.

**NOTES:**

\*: Value pertains to the sum of the isomers  
ST: Standard  
GV: Guidance Value  
---: Not established  
Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value

**TABLE 2**  
**NEW CASSEL INDUSTRIAL AREA**  
**OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM**  
**MONITORING WELL SAMPLE RESULTS**  
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification          | MW-5<br>90-110 | MW-5<br>90-110 | MW-5<br>90-110 | MW-5<br>90-110 | MW-5<br>90-110 | MW-5<br>90-110 | MW-5***<br>90-110 | MW-5<br>90-110 | Contract<br>Required<br>Detection<br>Limit<br>(ug/l) | NYSDEC Class GA<br>Groundwater<br>Standard or<br>Guidance Value<br>(ug/l) |
|--------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|-------------------|----------------|------------------------------------------------------|---------------------------------------------------------------------------|
| Sample Depth, ft               | 12/10/03       | 03/08/04       |                |                |                |                |                   |                |                                                      |                                                                           |
| Date of Collection             | 1.0            | 1.0            | 1.0            | 1.0            | 5.0            | 1.0            | 1.0               | 1.0            |                                                      |                                                                           |
| Dilution Factor                | (ug/l)         | (ug/l)         | (ug/l)         | (ug/l)         | (ug/l)         | (ug/l)         | (ug/l)            | (ug/l)         |                                                      |                                                                           |
| Units                          |                |                |                |                |                |                |                   |                |                                                      |                                                                           |
| Dichlorodifluoromethane        | U              | U              |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| Chloromethane                  | U              | U              |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| Vinyl Chloride                 | U              | U              |                |                |                |                |                   |                | 0.5                                                  | 2 ST                                                                      |
| Bromomethane                   | U              | U              |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| Chloroethane                   | U              | U              |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| Fluorotrichloromethane         | U              | U              |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| 1,1-Dichloroethane             | 13             | 21             |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| Methylene Chloride             | U              | U              |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| trans-1,2-Dichloroethene       | U              | U              |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| 1,1-Dichloroethane             | 5.6            | 11             |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| 2,2-Dichloropropane            | U              | NA             |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| cis-1,2-Dichloroethene         | U              | U              |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| Chloroform                     | U              | U              |                |                |                |                |                   |                | 0.5                                                  | 7 ST                                                                      |
| Bromochloromethane             | U              | NA             |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| 1,1,1-Trichloroethane          | 31             | 64             |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| 1,1-Dichloropropene            | U              | NA             |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| Carbon Tetrachloride           | U*             | U              |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| 1,2-Dichloroethane             | U              | U              |                |                |                |                |                   |                | 0.5                                                  | 0.6 ST                                                                    |
| Trichloroethene                | 1.4            | 1 J            |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| 1,2-Dichloropropane            | U              | U              |                |                |                |                |                   |                | 0.5                                                  | 1 ST                                                                      |
| Bromodichloromethane           | U              | U              |                |                |                |                |                   |                | 0.5                                                  | 50GV                                                                      |
| Dibromomethane                 | U              | NA             |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| cis-1,3-Dichloropropene        | U              | U              |                |                |                |                |                   |                | 0.5                                                  | 0.4 ST *                                                                  |
| trans-1,3-Dichloropropene      | U              | U              |                |                |                |                |                   |                | 0.5                                                  | 0.4 ST *                                                                  |
| 1,1,2-Trichloroethane          | U              | U              |                |                |                |                |                   |                | 0.5                                                  | 1 ST                                                                      |
| 1,3-Dichloropropane            | U              | NA             |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| Tetrachloroethene              | 5.6            | 7 J            |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| Dibromochloromethane           | U              | U              |                |                |                |                |                   |                | 0.5                                                  | 50GV                                                                      |
| Chlorobenzene                  | U              | U              |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| 1,1,1,2-Tetrachloroethane      | U              | NA             |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| Bromoform                      | U              | U              |                |                |                |                |                   |                | 0.5                                                  | 50GV                                                                      |
| 1,1,2,2-Tetrachloroethane      | U              | U              |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| 1,2,3-Trichloropropane         | U              | NA             |                |                |                |                |                   |                | 0.5                                                  | 0.04 ST                                                                   |
| Bromobenzene                   | U              | NA             |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| 1,3-Dichlorobenzene            | U              | U              |                |                |                |                |                   |                | 0.5                                                  | 3 ST                                                                      |
| 1,4-Dichlorobenzene            | U              | U              |                |                |                |                |                   |                | 0.5                                                  | 3 ST                                                                      |
| 1,2-Dichlorobenzene            | U              | U              |                |                |                |                |                   |                | 0.5                                                  | 3 ST                                                                      |
| 1,2,4-Trichlorobenzene         | U              | U              |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| Hexchlorobutadiene             | U              | NA             |                |                |                |                |                   |                | 0.5                                                  | 0.5 ST                                                                    |
| 1,2,3-Trichlorobenzene         | U              | NA             |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| Methyl-tert-butyl ether        | U              | 0.5 J          |                |                |                |                |                   |                | 0.5                                                  | —                                                                         |
| Benzene                        | U              | U              |                |                |                |                |                   |                | 0.5                                                  | 1 ST                                                                      |
| Toluene                        | U              | U              |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| Ethylbenzene                   | U              | U              |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| m-Xylene                       | U              | U              |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| p-Xylene                       | U              | U              |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| o-Xylene                       | U              | U              |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| Styrene                        | U              | U              |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| Isopropylbenzene (Cumene)      | U              | U              |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| n-Propylbenzene                | U              | NA             |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| 1,3,5-Trimethylbenzene         | U              | NA             |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| 2-Chlorotoluene                | U              | NA             |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| 4-Chlorotoluene                | U              | NA             |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| tert-Butylbenzene              | U              | NA             |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| 1,2,4-Trimethylbenzene         | U              | NA             |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| sec-Butylbenzene               | U              | NA             |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| p-Isopropyltoluene(p-Cymene)   | U              | NA             |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| n-Butylbenzene                 | U              | NA             |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| 1,1,2-Trichlorotrifluoroethane | NA             | U              |                |                |                |                |                   |                | 0.5                                                  | 5 ST                                                                      |
| 1,2-Dibromo-3-chloropropane    | NA             | U              |                |                |                |                |                   |                | 0.5                                                  | 0.04 ST                                                                   |
| 1,2-Dibromoethane              | NA             | U              |                |                |                |                |                   |                | 0.5                                                  | 0.0006 ST                                                                 |
| 2-Butanone                     | NA             | U              |                |                |                |                |                   |                | 0.5                                                  | 50 GV                                                                     |
| 2-Hexanone                     | NA             | U              |                |                |                |                |                   |                | 0.5                                                  | 50 GV                                                                     |
| 4-Methyl-2-pentanone           | NA             | U              |                |                |                |                |                   |                | 0.5                                                  | —                                                                         |
| Acetone                        | NA             | U              |                |                |                |                |                   |                | 0.5                                                  | 50 GV                                                                     |
| Carbon Disulfide               | NA             | U              |                |                |                |                |                   |                | 0.5                                                  | —                                                                         |
| Methyl Acetate                 | NA             | U              |                |                |                |                |                   |                | 0.5                                                  | —                                                                         |
| Methylcyclohexane              | NA             | U              |                |                |                |                |                   |                | 0.5                                                  | —                                                                         |
| <b>Total VOCs</b>              | <b>56.6</b>    | <b>104.5</b>   | <b>0</b>       | <b>0</b>       | <b>0</b>       | <b>0</b>       | <b>0</b>          | <b>0</b>       |                                                      |                                                                           |

**QUALIFIERS:**

U: Compound analyzed for but not detected  
J: Compound found at a concentration below the CRDL, value estimated  
\*: Result reported as a sum of 2,2-dichloropropane and cis-1,2-dichloroethene  
E: Compound concentration exceeds instrument calibration range, value estimated  
D: Result taken from reanalysis at a secondary dilution  
B: Compound found in the method blank as well as the sample  
U\*: Result qualified as non-detect based on validation criteria  
\*\*\*: Based upon review of historical results and the 8th quarter results it appears that samples MW-5 and MW-6 were inadvertently switched during the May 2003 sampling event.

**NOTES:**

\*: Value pertains to the sum of the isomers  
ST: Standard  
GV: Guidance Value  
---: Not established  
[ ] Indicates value exceeds NYSDEC Class GA groundwater standard  
or guidance value  
NA: Not Analyzed for

**TABLE 2**  
**NEW CASSEL INDUSTRIAL AREA**  
**OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM**  
**MONITORING WELL SAMPLE RESULTS**  
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification        | MW-6         | MW-5       | MW-6       | MW-5       | MW-6       | MW-6       | MW-6***      | MW-6         | Contract  | NYSDEC Class GA |
|------------------------------|--------------|------------|------------|------------|------------|------------|--------------|--------------|-----------|-----------------|
| Sample Depth, ft             | 110-130      | 110-130    | 110-130    | 110-130    | 110-130    | 110-130    | 110-130      | 110-130      | Required  | Groundwater     |
| Date of Collection           | 11/05/01     | 01/25/02   | 04/26/02   | 07/17/02   | 10/18/02   | 01/30/03   | 05/07/03     | 07/29/03     | Detection | Standard or     |
| Dilution Factor              | 1.0          | 1.0        | 10.0       | 1.0        | 5.0        | 1.0        | 1.0          | 1.0          | Limit     | Guidance Value  |
| Units                        | (ug/l)       | (ug/l)     | (ug/l)     | (ug/l)     | (ug/l)     | (ug/l)     | (ug/l)       | (ug/l)       | (ug/l)    | (ug/l)          |
| Dichlorodifluoromethane      | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 5 ST            |
| Chloromethane                | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 5 ST            |
| Vinyl Chloride               | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 2 ST            |
| Bromomethane                 | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 5 ST            |
| Chloroethane                 | U            | U          | U          | U          | U          | U          | U            | 1.4          | 0.5       | 5 ST            |
| Fluorotrichloromethane       | U            | U          | 1 J        | U          | U          | U          | U            | U            | 0.5       | 5 ST            |
| 1,1-Dichloroethene           | 270 D        | 72 D       | 100 D      | 99 D       | 135        | 150 D      | 36           | 190 D        | 0.5       | 5 ST            |
| Methylene Chloride           | 1.3          | U          | U          | 5 D        | U          | 12         | U            | U*           | 0.5       | 5 ST            |
| trans-1,2-Dichloroethene     | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 5 ST            |
| 1,1-Dichloroethane           | 52 D         | 36         | 33         | 29         | 31         | 47 D       | 8.4          | 68 D         | 0.5       | 5 ST            |
| 2,2-Dichloropropane          | **           | U          | **         | U          | U          | U          | U            | U            | 0.5       | 5 ST            |
| cis-1,2-Dichloroethene       | 22 **        | 13         | 9 **       | 9          | 21         | 15         | 2.5          | 7.4          | 0.5       | 5 ST            |
| Chloroform                   | 1.1          | U          | 1          | U          | U          | 1          | U            | 1.4          | 0.5       | 7 ST            |
| Bromochloromethane           | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 5 ST            |
| 1,1,1-Trichloroethane        | 240 D        | 89 D       | 96 D       | 90 D       | 122        | 170 D      | 23           | 270 D        | 0.5       | 5 ST            |
| 1,1-Dichloropropene          | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 5 ST            |
| Carbon Tetrachloride         | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 5 ST            |
| 1,2-Dichloroethane           | 0.8          | U          | U          | U          | U          | U          | U            | U            | 0.5       | 0.6 ST          |
| Trichloroethene              | 93 D         | 54 D       | 43         | 51 D       | 59         | 89 D       | 27           | 45 D         | 0.5       | 5 ST            |
| 1,2-Dichloropropane          | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 1 ST            |
| Bromodichloromethane         | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 50GV            |
| Dibromomethane               | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 5 ST            |
| cis-1,3-Dichloropropene      | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 0.4 ST*         |
| trans-1,3-Dichloropropene    | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 0.4 ST*         |
| 1,1,2-Trichloroethane        | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 1 ST            |
| 1,3-Dichloropropane          | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 5 ST            |
| Tetrachloroethane            | 80 D         | 37 D       | 68 E       | 47 D       | 60         | 58 D       | 15           | 56 D         | 0.5       | 5 ST            |
| Dibromochloromethane         | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 50GV            |
| Chlorobenzene                | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 5 ST            |
| 1,1,1,2-Tetrachloroethane    | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 5 ST            |
| Bromoform                    | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 50GV            |
| 1,1,2,2-Tetrachloroethane    | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 5 ST            |
| 1,2,3-Trichloropropane       | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 0.04 ST         |
| Bromobenzene                 | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 5 ST            |
| 1,3-Dichlorobenzene          | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 3 ST            |
| 1,4-Dichlorobenzene          | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 3 ST            |
| 1,2-Dichlorobenzene          | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 3 ST            |
| 1,2,4-Trichlorobenzene       | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 5 ST            |
| Hexachlorobutadiene          | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 0.5 ST          |
| 1,2,3-Trichlorobenzene       | 1 B          | U          | U          | U          | U          | U          | U            | U            | 0.5       | 5 ST            |
| Methyl-tert-butyl ether      | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | ---             |
| Benzene                      | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 1 ST            |
| Toluene                      | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 5 ST            |
| Ethylbenzene                 | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 5 ST            |
| m-Xylene                     | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 5 ST            |
| p-Xylene                     | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 5 ST            |
| o-Xylene                     | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 5 ST            |
| Styrene                      | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 5 ST            |
| Isopropylbenzene (Cumene)    | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 5 ST            |
| n-Propylbenzene              | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 5 ST            |
| 1,3,5-Trimethylbenzene       | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 5 ST            |
| 2-Chlorotoluene              | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 5 ST            |
| 4-Chlorotoluene              | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 5 ST            |
| tert-Butylbenzene            | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 5 ST            |
| 1,2,4-Trimethylbenzene       | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 5 ST            |
| sec-Butylbenzene             | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 5 ST            |
| p-Isopropyltoluene(p-Cymene) | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 5 ST            |
| n-Butylbenzene               | U            | U          | U          | U          | U          | U          | U            | U            | 0.5       | 5 ST            |
| <b>Total VOCs</b>            | <b>761.2</b> | <b>391</b> | <b>351</b> | <b>330</b> | <b>428</b> | <b>542</b> | <b>111.9</b> | <b>639.2</b> |           | <b>---</b>      |

**QUALIFIERS:**

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\*\*: Result reported as a sum of 2,2-dichloropropane and cis-1,2-dichloroethene  
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[ ] Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value

**TABLE 2**  
**NEW CASSEL INDUSTRIAL AREA**  
**OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM**  
**MONITORING WELL SAMPLE RESULTS**  
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification          | MW-6<br>110-130 | MW-6<br>110-130 | MW-6<br>110-130 | MW-6<br>110-130 | MW-6<br>110-130 | MW-6<br>110-130 | MW-6***<br>110-130 | MW-6<br>110-130 | Contract<br>Required<br>Detection<br>Limit | NYSDEC Class GA<br>Groundwater<br>Standard or<br>Guidance Value |
|--------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------------------|-----------------|--------------------------------------------|-----------------------------------------------------------------|
| Date of Collection             | 12/10/03        | 03/08/04        |                 |                 |                 |                 |                    |                 |                                            |                                                                 |
| Dilution Factor                | 1.0             | 1.0             | 10.0            | 1.0             | 5.0             | 1.0             | 1.0                | 1.0             |                                            |                                                                 |
| Units                          | (ug/l)          | (ug/l)          | (ug/l)          | (ug/l)          | (ug/l)          | (ug/l)          | (ug/l)             | (ug/l)          | (ug/l)                                     | (ug/l)                                                          |
| Dichlorodifluoromethane        | U               | U               |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| Chloromethane                  | U               | U               |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| Vinyl Chloride                 | U               | U               |                 |                 |                 |                 |                    |                 | 0.5                                        | 2 ST                                                            |
| Bromomethane                   | U               | U               |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| Chloroethane                   | 2               | 2 J             |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| Fluorotrichloromethane         | U               | U               |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| 1,1-Dichloroethene             | 180 D           | 290 D           |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| Methylene Chloride             | 0.58            | U               |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| trans-1,2-Dichloroethene       | U               | U               |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| 1,1-Dichloroethane             | 83 D            | 130             |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| 2,2-Dichloropropane            | U               | NA              |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| cis-1,2-Dichloroethene         | 10              | 13              |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| Chloroform                     | 1.4             | 1               |                 |                 |                 |                 |                    |                 | 0.5                                        | 7 ST                                                            |
| Bromochloromethane             | U               | NA              |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| 1,1,1-Trichloroethane          | 300 D           | 480 D           |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| 1,1-Dichloropropene            | U               | NA              |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| Carbon Tetrachloride           | U*              | U               |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| 1,2-Dichloroethane             | U*              | U               |                 |                 |                 |                 |                    |                 | 0.5                                        | 0.6 ST                                                          |
| Trichloroethene                | 60 D            | 110             |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| 1,2-Dichloropropane            | U               | U               |                 |                 |                 |                 |                    |                 | 0.5                                        | 1 ST                                                            |
| Bromodichloromethane           | U               | U               |                 |                 |                 |                 |                    |                 | 0.5                                        | 50GV                                                            |
| Dibromomethane                 | U               | NA              |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| cis-1,3-Dichloropropene        | U               | U               |                 |                 |                 |                 |                    |                 | 0.5                                        | 0.4 ST *                                                        |
| trans-1,3-Dichloropropene      | U               | U               |                 |                 |                 |                 |                    |                 | 0.5                                        | 0.4 ST *                                                        |
| 1,1,2-Trichloroethane          | U               | U               |                 |                 |                 |                 |                    |                 | 0.5                                        | 1 ST                                                            |
| 1,3-Dichloropropane            | U               | NA              |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| Tetrachloroethene              | 51 D            | 91              |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| Dibromochloromethane           | U               | U               |                 |                 |                 |                 |                    |                 | 0.5                                        | 50GV                                                            |
| Chlorobenzene                  | U               | U               |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| 1,1,1,2-Tetrachloroethane      | U               | NA              |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| Bromoform                      | U               | U               |                 |                 |                 |                 |                    |                 | 0.5                                        | 50GV                                                            |
| 1,1,2,2-Tetrachloroethane      | U               | U               |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| 1,2,3-Trichloropropane         | U               | NA              |                 |                 |                 |                 |                    |                 | 0.5                                        | 0.04 ST                                                         |
| Bromobenzene                   | U               | NA              |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| 1,3-Dichlorobenzene            | U               | U               |                 |                 |                 |                 |                    |                 | 0.5                                        | 3 ST                                                            |
| 1,4-Dichlorobenzene            | U               | U               |                 |                 |                 |                 |                    |                 | 0.5                                        | 3 ST                                                            |
| 1,2-Dichlorobenzene            | U               | U               |                 |                 |                 |                 |                    |                 | 0.5                                        | 3 ST                                                            |
| 1,2,4-Trichlorobenzene         | U               | U               |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| Hexachlorobutadiene            | U               | NA              |                 |                 |                 |                 |                    |                 | 0.5                                        | 0.5 ST                                                          |
| 1,2,3-Trichlorobenzene         | U               | NA              |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| Methyl-tert-butyl ether        | 0.83            | U               |                 |                 |                 |                 |                    |                 | 0.5                                        | ---                                                             |
| Benzene                        | U               | U               |                 |                 |                 |                 |                    |                 | 0.5                                        | 1 ST                                                            |
| Toluene                        | U               | U               |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| Ethylbenzene                   | U               | U               |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| m-Xylene                       | U               | U               |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| p-Xylene                       | U               | U               |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| o-Xylene                       | U               | U               |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| Styrene                        | U               | U               |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| Isopropylbenzene (Cumene)      | U               | U               |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| n-Propylbenzene                | U               | NA              |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| 1,3,5-Trimethylbenzene         | U               | NA              |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| 2-Chlorotoluene                | U               | NA              |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| 4-Chlorotoluene                | U               | NA              |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| tert-Butylbenzene              | U               | NA              |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| 1,2,4-Trimethylbenzene         | U               | NA              |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| sec-Butylbenzene               | U               | NA              |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| p-Isopropyltoluene (p-Cymene)  | U               | NA              |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| n-Butylbenzene                 | U               | NA              |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| 1,1,2-Trichlorotrifluoroethane | NA              | U               |                 |                 |                 |                 |                    |                 | 0.5                                        | 5 ST                                                            |
| 1,2-Dibromo-3-chloropropane    | NA              | U               |                 |                 |                 |                 |                    |                 | 0.5                                        | 0.04 ST                                                         |
| 1,2-Dibromoethane              | NA              | U               |                 |                 |                 |                 |                    |                 | 0.5                                        | 0.0006 ST                                                       |
| 2-Butanone                     | NA              | U               |                 |                 |                 |                 |                    |                 | 0.5                                        | 50 GV                                                           |
| 2-Hexanone                     | NA              | U               |                 |                 |                 |                 |                    |                 | 0.5                                        | 50 GV                                                           |
| 4-Methyl-2-pentanone           | NA              | U               |                 |                 |                 |                 |                    |                 | 0.5                                        | ---                                                             |
| Acetone                        | NA              | U               |                 |                 |                 |                 |                    |                 | 0.5                                        | 50 GV                                                           |
| Carbon Disulfide               | NA              | U               |                 |                 |                 |                 |                    |                 | 0.5                                        | ---                                                             |
| Methyl Acetate                 | NA              | U               |                 |                 |                 |                 |                    |                 | 0.5                                        | ---                                                             |
| Methylcyclohexane              | NA              | U               |                 |                 |                 |                 |                    |                 | 0.5                                        | ---                                                             |
| <b>Total VOCs</b>              | <b>688.81</b>   | <b>1117</b>     | <b>0</b>        | <b>0</b>        | <b>0</b>        | <b>0</b>        | <b>0</b>           | <b>0</b>        |                                            |                                                                 |

**QUALIFIERS:**

U: Compound analyzed for but not detected  
J: Compound found at a concentration below the CRDL, value estimated  
\*: Result reported as a sum of 2,2-dichloropropane and cis-1,2-dichloroethene  
E: Compound concentration exceeds instrument calibration range, value estimated  
D: Result taken from reanalysis at a secondary dilution  
B: Compound found in the method blank as well as the sample  
U\*: Result qualified as non-detect based on validation criteria  
\*\*\*: Based upon review of historical results and the 8th quarter results it appears that samples MW-5 and MW-6 were inadvertently switched during the May 2003 sampling event.

**NOTES:**

\*: Value pertains to the sum of the isomers  
ST: Standard  
GV: Guidance Value  
---: Not established  
[ ] Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value  
NA: Not Analyzed for

**TABLE 2**  
**NEW CASSEL INDUSTRIAL AREA**  
**OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM**  
**MONITORING WELL SAMPLE RESULTS**  
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification        | MW-7        | MW-7      | MW-7        | MW-7      | MW-7      | MW-7        | MW-7         | MW-7        | Contract  | NYSDEC Class GA |
|------------------------------|-------------|-----------|-------------|-----------|-----------|-------------|--------------|-------------|-----------|-----------------|
| Sample Depth, ft             | 90-110      | 90-110    | 90-110      | 90-110    | 90-110    | 90-110      | 90-110       | 90-110      | Required  | Groundwater     |
| Date of Collection           | 11/05/01    | 01/25/02  | 04/24/02    | 07/16/02  | 10/18/02  | 01/29/03    | 05/07/03     | 07/30/03    | Detection | Standard or     |
| Dilution Factor              | 1.0         | 1.0       | 1.0         | 1.0       | 1.0       | 1.0         | 1.0          | 1.0         | Limit     | Guidance Value  |
| Units                        | (ug/l)      | (ug/l)    | (ug/l)      | (ug/l)    | (ug/l)    | (ug/l)      | (ug/l)       | (ug/l)      | (ug/l)    | (ug/l)          |
| Dichlorodifluoromethane      | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 5 ST            |
| Chloromethane                | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 5 ST            |
| Vinyl Chloride               | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 2 ST            |
| Bromomethane                 | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 5 ST            |
| Chloroethane                 | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 5 ST            |
| Fluorotrichloromethane       | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 5 ST            |
| 1,1-Dichloroethene           | U           | 0.5       | 0.7         | 2         | 0.5       | 0.6         | 0.74         | 1.8         | 0.5       | 5 ST            |
| Methylene Chloride           | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 5 ST            |
| trans-1,2-Dichloroethene     | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 5 ST            |
| 1,1-Dichloroethane           | 0.7         | 1         | 1           | 2         | 1         | 2           | 1.4          | 1.8         | 0.5       | 5 ST            |
| 2,2-Dichloropropane          | **          | U         | **          | U         | U         | U           | U            | U           | 0.5       | 5 ST            |
| cis-1,2-Dichloroethene       | 23 **       | 18        | 15 **       | 18        | 22        | 27          | 15           | 19          | 0.5       | 5 ST            |
| Chloroform                   | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 7 ST            |
| Bromochloromethane           | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 5 ST            |
| 1,1,1-Trichloroethane        | U           | 0.5       | 0.6         | 2         | 0.5       | 0.7         | 0.7          | 1.1         | 0.5       | 5 ST            |
| 1,1-Dichloropropene          | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 5 ST            |
| Carbon Tetrachloride         | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 5 ST            |
| 1,2-Dichloroethane           | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 0.6 ST          |
| Trichloroethene              | 2           | 3         | 3           | 8         | 4         | 4           | 2.6          | 6           | 0.5       | 5 ST            |
| 1,2-Dichloropropane          | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 1 ST            |
| Bromodichloromethane         | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 50GV            |
| Dibromomethane               | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 5 ST            |
| cis-1,3-Dichloropropene      | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 0.4 ST          |
| trans-1,3-Dichloropropene    | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 0.4 ST          |
| 1,1,2-Trichloroethane        | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 1 ST            |
| 1,3-Dichloropropane          | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 5 ST            |
| Tetrachloroethene            | 5.2         | 6         | 4           | 6         | U         | 7           | 5.3          | 7.8         | 0.5       | 5 ST            |
| Dibromochloromethane         | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 50GV            |
| Chlorobenzene                | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 5 ST            |
| 1,1,1,2-Tetrachloroethane    | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 5 ST            |
| Bromoform                    | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 50GV            |
| 1,1,2,2-Tetrachloroethane    | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 5 ST            |
| 1,2,3-Trichloropropane       | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 0.04 ST         |
| Bromobenzene                 | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 5 ST            |
| 1,3-Dichlorobenzene          | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 3 ST            |
| 1,4-Dichlorobenzene          | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 3 ST            |
| 1,2-Dichlorobenzene          | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 3 ST            |
| 1,2,4-Trichlorobenzene       | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 5 ST            |
| Hexchlorobutadiene           | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 0.5 ST          |
| 1,2,3-Trichlorobenzene       | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 5 ST            |
| Methyl-tert-butyl ether      | U           | U         | U           | 2         | U         | 2           | 1.6          | 3.7         | 0.5       | ---             |
| Benzene                      | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 1 ST            |
| Toluene                      | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 5 ST            |
| Ethylbenzene                 | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 5 ST            |
| m-Xylene                     | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 5 ST            |
| p-Xylene                     | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 5 ST            |
| o-Xylene                     | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 5 ST            |
| Styrene                      | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 5 ST            |
| Isopropylbenzene (Cumene)    | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 5 ST            |
| n-Propylbenzene              | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 5 ST            |
| 1,3,5-Trimethylbenzene       | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 5 ST            |
| 2-Chlorotoluene              | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 5 ST            |
| 4-Chlorotoluene              | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 5 ST            |
| tert-Butylbenzene            | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 5 ST            |
| 1,2,4-Trimethylbenzene       | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 5 ST            |
| sec-Butylbenzene             | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 5 ST            |
| p-Isopropyltoluene(p-Cymene) | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 5 ST            |
| n-Butylbenzene               | U           | U         | U           | U         | U         | U           | U            | U           | 0.5       | 5 ST            |
| <b>Total VOCs</b>            | <b>30.9</b> | <b>29</b> | <b>24.3</b> | <b>40</b> | <b>28</b> | <b>43.3</b> | <b>27.34</b> | <b>41.2</b> |           | <b>---</b>      |

**QUALIFIERS:**

U: Compound analyzed for but not detected  
J: Compound found at a concentration below the CRDL, value estimated  
\*\*: Result reported as a sum of 2,2-dichloropropane and cis-1,2-dichloroethene  
E: Compound concentration exceeds instrument calibration range, value estimated  
D: Result taken from reanalysis at a secondary dilution  
B: Compound found in the method blank as well as the sample  
U\*: Result qualified as non-detect based on validation criteria

**NOTES:**

\*: Value pertains to the sum of the isomers  
ST: Standard  
GV: Guidance Value  
---: Not established  
☐ Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value

**TABLE 2**  
**NEW CASSEL INDUSTRIAL AREA**  
**OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM**  
**MONITORING WELL SAMPLE RESULTS**  
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification          | MW-7<br>90-110 | MW-7<br>90-110 | MW-7<br>90-110 | MW-7<br>90-110 | MW-7<br>90-110 | MW-7<br>90-110 | MW-7<br>90-110 | MW-7<br>90-110 | Contract<br>Required<br>Detection<br>Limit | NYSDEC Class GA<br>Groundwater<br>Standard or<br>Guidance Value |
|--------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------------------------------|-----------------------------------------------------------------|
| Sample Depth, ft               | 12/10/03       | 03/08/04       |                |                |                |                |                |                |                                            |                                                                 |
| Date of Collection             | 1.0            | 1.0            | 1.0            | 1.0            | 1.0            | 1.0            | 1.0            | 1.0            |                                            |                                                                 |
| Dilution Factor                | (ug/l)         | (ug/l)         | (ug/l)         | (ug/l)         | (ug/l)         | (ug/l)         | (ug/l)         | (ug/l)         | (ug/l)                                     | (ug/l)                                                          |
| Units                          |                |                |                |                |                |                |                |                |                                            |                                                                 |
| Dichlorodifluoromethane        | U              | U              |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| Chloromethane                  | U              | U              |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| Vinyl Chloride                 | U              | U              |                |                |                |                |                |                | 0.5                                        | 2 ST                                                            |
| Bromomethane                   | U              | U              |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| Chloroethane                   | U              | U              |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| Fluorotrichloromethane         | U              | U              |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| 1,1-Dichloroethene             | 0.47 J         | U              |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| Methylene Chloride             | U              | U              |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| trans-1,2-Dichloroethene       | U              | U              |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| 1,1-Dichloroethane             | 1              | 1 J            |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| 2,2-Dichloropropane            | U              | NA             |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| cis-1,2-Dichloroethene         | 12             | 12             |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| Chloroform                     | U              | U              |                |                |                |                |                |                | 0.5                                        | 7 ST                                                            |
| Bromochloromethane             | U              | NA             |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| 1,1,1-Trichloroethane          | U              | 0.3 J          |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| 1,1-Dichloropropene            | U              | NA             |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| Carbon Tetrachloride           | U              | U              |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| 1,2-Dichloroethane             | U              | U              |                |                |                |                |                |                | 0.5                                        | 0.6 ST                                                          |
| Trichloroethene                | 1.6            | 2 J            |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| 1,2-Dichloropropane            | U              | U              |                |                |                |                |                |                | 0.5                                        | 1 ST                                                            |
| Bromodichloromethane           | U              | U              |                |                |                |                |                |                | 0.5                                        | 50GV                                                            |
| Dibromomethane                 | U              | NA             |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| cis-1,3-Dichloropropene        | U              | U              |                |                |                |                |                |                | 0.5                                        | 0.4 ST *                                                        |
| trans-1,3-Dichloropropene      | U              | U              |                |                |                |                |                |                | 0.5                                        | 0.4 ST *                                                        |
| 1,1,2-Trichloroethane          | U              | U              |                |                |                |                |                |                | 0.5                                        | 1 ST                                                            |
| 1,3-Dichloropropane            | U              | NA             |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| Tetrachloroethene              | 4.1            | 5 J            |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| Dibromochloromethane           | U              | U              |                |                |                |                |                |                | 0.5                                        | 50GV                                                            |
| Chlorobenzene                  | U              | U              |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| 1,1,1,2-Tetrachloroethane      | U              | NA             |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| Bromoform                      | U              | U              |                |                |                |                |                |                | 0.5                                        | 50GV                                                            |
| 1,1,2,2-Tetrachloroethane      | U              | U              |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| 1,2,3-Trichloropropane         | U              | NA             |                |                |                |                |                |                | 0.5                                        | 0.04 ST                                                         |
| Bromobenzene                   | U              | NA             |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| 1,3-Dichlorobenzene            | U              | U              |                |                |                |                |                |                | 0.5                                        | 3 ST                                                            |
| 1,4-Dichlorobenzene            | U              | U              |                |                |                |                |                |                | 0.5                                        | 3 ST                                                            |
| 1,2-Dichlorobenzene            | U              | U              |                |                |                |                |                |                | 0.5                                        | 3 ST                                                            |
| 1,2,4-Trichlorobenzene         | U              | U              |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| Hexachlorobutadiene            | U              | NA             |                |                |                |                |                |                | 0.5                                        | 0.5 ST                                                          |
| 1,2,3-Trichlorobenzene         | U              | NA             |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| Methyl-tert-butyl ether        | 1.1            | 0.8 J          |                |                |                |                |                |                | 0.5                                        | ----                                                            |
| Benzene                        | U              | U              |                |                |                |                |                |                | 0.5                                        | 1 ST                                                            |
| Toluene                        | U              | U              |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| Ethylbenzene                   | U              | U              |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| m-Xylene                       | U              | U              |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| p-Xylene                       | U              | U              |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| o-Xylene                       | U              | U              |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| Styrene                        | U              | U              |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| Isopropylbenzene (Cumene)      | U              | U              |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| n-Propylbenzene                | U              | NA             |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| 1,3,5-Trimethylbenzene         | U              | NA             |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| 2-Chlorotoluene                | U              | NA             |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| 4-Chlorotoluene                | U              | NA             |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| tert-Butylbenzene              | U              | NA             |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| 1,2,4-Trimethylbenzene         | U              | NA             |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| sec-Butylbenzene               | U              | NA             |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| p-Isopropyltoluene(p-Cymene)   | U              | NA             |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| n-Butylbenzene                 | U              | NA             |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| 1,1,2-Trichlorotrifluoroethane | NA             | U              |                |                |                |                |                |                | 0.5                                        | 5 ST                                                            |
| 1,2-Dibromo-3-chloropropane    | NA             | U              |                |                |                |                |                |                | 0.5                                        | 0.04 ST                                                         |
| 1,2-Dibromoethane              | NA             | U              |                |                |                |                |                |                | 0.5                                        | 0.0006 ST                                                       |
| 2-Butanone                     | NA             | U              |                |                |                |                |                |                | 0.5                                        | 50 GV                                                           |
| 2-Hexanone                     | NA             | U              |                |                |                |                |                |                | 0.5                                        | 50 GV                                                           |
| 4-Methyl-2-pentanone           | NA             | U              |                |                |                |                |                |                | 0.5                                        | ----                                                            |
| Acetone                        | NA             | U              |                |                |                |                |                |                | 0.5                                        | 50 GV                                                           |
| Carbon Disulfide               | NA             | U              |                |                |                |                |                |                | 0.5                                        | ----                                                            |
| Methyl Acetate                 | NA             | U              |                |                |                |                |                |                | 0.5                                        | ----                                                            |
| Methylcyclohexane              | NA             | U              |                |                |                |                |                |                | 0.5                                        | ----                                                            |
| <b>Total VOCs</b>              | 20.27          | 21.1           | 0              | 0              | 0              | 0              | 0              | 0              |                                            | ----                                                            |

**QUALIFIERS:**

U: Compound analyzed for but not detected  
J: Compound found at a concentration below the CRDL, value estimated  
\*: Result reported as a sum of 2,2-dichloropropane and cis-1,2-dichloroethene  
E: Compound concentration exceeds instrument calibration range, value estimated  
D: Result taken from reanalysis at a secondary dilution  
B: Compound found in the method blank as well as the sample  
U\*: Result qualified as non-detect based on validation criteria

**NOTES:**

\*: Value pertains to the sum of the isomers  
ST: Standard  
GV: Guidance Value  
----: Not established  
☒ Indicates value exceeds NYSDEC Class GA groundwater standard  
or guidance value  
NA: Not Analyzed for

**TABLE 2**  
**NEW CASSEL INDUSTRIAL AREA**  
**OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM**  
**MONITORING WELL SAMPLE RESULTS**  
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification        | MW-8       | MW-8       | MW-8       | MW-8       | MW-8      | MW-8      | MW-8         | MW-8        | Contract  | NYSDEC Class GA |
|------------------------------|------------|------------|------------|------------|-----------|-----------|--------------|-------------|-----------|-----------------|
| Sample Depth, ft             | 120-140    | 120-140    | 120-140    | 120-140    | 120-140   | 120-140   | 120-140      | 120-140     | Required  | Groundwater     |
| Date of Collection           | 11/05/01   | 01/25/02   | 04/24/02   | 07/17/02   | 10/18/02  | 01/29/03  | 05/07/03     | 07/30/03    | Detection | Standard or     |
| Dilution Factor              | 1.0        | 1.0        | 1.0        | 1.0        | 1.0       | 1.0       | 1.0          | 1.0         | Limit     | Guidance Value  |
| Units                        | (ug/l)     | (ug/l)     | (ug/l)     | (ug/l)     | (ug/l)    | (ug/l)    | (ug/l)       | (ug/l)      | (ug/l)    | (ug/l)          |
| Dichlorodifluoromethane      | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 5 ST            |
| Chloromethane                | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 5 ST            |
| Vinyl Chloride               | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 2 ST            |
| Bromomethane                 | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 5 ST            |
| Chloroethane                 | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 5 ST            |
| Fluorotrichloromethane       | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 5 ST            |
| 1,1-Dichloroethene           | U          | 0.8        | U          | 0.5        | 1         | 1         | 1.5          | 2.3         | 0.5       | 5 ST            |
| Methylene Chloride           | U          | 0.6        | U          | U          | U         | U         | U            | U           | 0.5       | 5 ST            |
| trans-1,2-Dichloroethene     | U          | U          | 0.9        | U          | U         | U         | U            | U           | 0.5       | 5 ST            |
| 1,1-Dichloroethane           | 1.3        | 2          | 2          | 1          | 3         | 3         | 2.7          | 3.4         | 0.5       | 5 ST            |
| 2,2-Dichloropropane          | **         | U          | **         | U          | U         | U         | U            | U           | 0.5       | 5 ST            |
| cis-1,2-Dichloroethene       | 1.7 **     | 2          | 2 **       | 2          | 4         | 4         | 3.5          | 4.3         | 0.5       | 5 ST            |
| Chloroform                   | U          | U          | U          | U          | U         | U         | 0.57         | U           | 0.5       | 7 ST            |
| Bromochloromethane           | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 5 ST            |
| 1,1,1-Trichloroethane        | 0.7        | 0.7        | 0.8        | U          | 1         | 1         | 1.3          | 1.4         | 0.5       | 5 ST            |
| 1,1-Dichloropropene          | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 5 ST            |
| Carbon Tetrachloride         | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 5 ST            |
| 1,2-Dichloroethane           | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 0.6 ST          |
| Trichloroethene              | 1.1        | 2          | U*         | 0.8        | 2         | 2         | 2.3          | 3.6         | 0.5       | 5 ST            |
| 1,2-Dichloropropane          | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 1 ST            |
| Bromodichloromethane         | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 50GV            |
| Dibromomethane               | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 5 ST            |
| cis-1,3-Dichloropropene      | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 0.4 ST *        |
| trans-1,3-Dichloropropene    | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 0.4 ST *        |
| 1,1,2-Trichloroethane        | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 1 ST            |
| 1,3-Dichloropropane          | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 5 ST            |
| Tetrachloroethene            | 1.1        | 1          | 1          | 0.8        | 2         | 3         | 1.5          | 2.9         | 0.5       | 5 ST            |
| Dibromochloromethane         | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 50GV            |
| Chlorobenzene                | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 5 ST            |
| 1,1,1,2-Tetrachloroethane    | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 5 ST            |
| Bromoform                    | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 50GV            |
| 1,1,2,2-Tetrachloroethane    | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 5 ST            |
| 1,2,3-Trichloropropane       | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 0.04 ST         |
| Bromobenzene                 | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 5 ST            |
| 1,3-Dichlorobenzene          | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 3 ST            |
| 1,4-Dichlorobenzene          | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 3 ST            |
| 1,2-Dichlorobenzene          | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 3 ST            |
| 1,2,4-Trichlorobenzene       | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 5 ST            |
| Hexchlorobutadiene           | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 0.5 ST          |
| 1,2,3-Trichlorobenzene       | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 5 ST            |
| Methyl-tert-butyl ether      | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | ---             |
| Benzene                      | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 1 ST            |
| Toluene                      | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 5 ST            |
| Ethylbenzene                 | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 5 ST            |
| m-Xylene                     | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 5 ST            |
| p-Xylene                     | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 5 ST            |
| o-Xylene                     | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 5 ST            |
| Styrene                      | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 5 ST            |
| Isopropylbenzene (Cumene)    | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 5 ST            |
| n-Propylbenzene              | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 5 ST            |
| 1,3,5-Trimethylbenzene       | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 5 ST            |
| 2-Chlorotoluene              | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 5 ST            |
| 4-Chlorotoluene              | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 5 ST            |
| tert-Butylbenzene            | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 5 ST            |
| 1,2,4-Trimethylbenzene       | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 5 ST            |
| sec-Butylbenzene             | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 5 ST            |
| p-Isopropyltoluene(p-Cymene) | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 5 ST            |
| n-Butylbenzene               | U          | U          | U          | U          | U         | U         | U            | U           | 0.5       | 5 ST            |
| <b>Total VOCs</b>            | <b>5.9</b> | <b>9.1</b> | <b>6.7</b> | <b>5.1</b> | <b>13</b> | <b>14</b> | <b>13.37</b> | <b>17.9</b> |           | <b>---</b>      |

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E: Compound concentration exceeds instrument calibration range, value estimated  
D: Result taken from reanalysis at a secondary dilution  
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☒ Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value

**TABLE 2**  
**NEW CASSEL INDUSTRIAL AREA**  
**OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM**  
**MONITORING WELL SAMPLE RESULTS**  
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification          | MW-8      | MW-8        | MW-8     | MW-8     | MW-8     | MW-8     | MW-8     | MW-8     | Contract  | NYSDEC Class GA |
|--------------------------------|-----------|-------------|----------|----------|----------|----------|----------|----------|-----------|-----------------|
| Sample Depth, ft               | 120-140   | 120-140     | 120-140  | 120-140  | 120-140  | 120-140  | 120-140  | 120-140  | Required  | Groundwater     |
| Date of Collection             | 12/10/03  | 03/08/04    |          |          |          |          |          |          | Detection | Standard or     |
| Dilution Factor                | 1.0       | 1.0         |          |          |          |          |          |          | Limit     | Guidance Value  |
| Units                          | (ug/l)    | (ug/l)      |          |          |          |          |          |          | (ug/l)    | (ug/l)          |
| Dichlorodifluoromethane        | U         | U           |          |          |          |          |          |          | 0.5       | 5 ST            |
| Chloromethane                  | U         | U           |          |          |          |          |          |          | 0.5       | 5 ST            |
| Vinyl Chloride                 | U         | U           |          |          |          |          |          |          | 0.5       | 2 ST            |
| Bromomethane                   | U         | U           |          |          |          |          |          |          | 0.5       | 5 ST            |
| Chloroethane                   | U         | U           |          |          |          |          |          |          | 0.5       | 5 ST            |
| Fluorotrichloromethane         | U         | U           |          |          |          |          |          |          | 0.5       | 5 ST            |
| 1,1-Dichloroethene             | 1.4       | 1 J         |          |          |          |          |          |          | 0.5       | 5 ST            |
| Methylene Chloride             | U         | U           |          |          |          |          |          |          | 0.5       | 5 ST            |
| trans-1,2-Dichloroethene       | U         | U           |          |          |          |          |          |          | 0.5       | 5 ST            |
| 1,1-Dichloroethane             | 3         | 3 J         |          |          |          |          |          |          | 0.5       | 5 ST            |
| 2,2-Dichloropropane            | U         | NA          |          |          |          |          |          |          | 0.5       | 5 ST            |
| cis-1,2-Dichloroethene         | 3.6       | 3 J         |          |          |          |          |          |          | 0.5       | 5 ST            |
| Chloroform                     | U         | 0.3 J       |          |          |          |          |          |          | 0.5       | 7 ST            |
| Bromochloromethane             | U         | NA          |          |          |          |          |          |          | 0.5       | 5 ST            |
| 1,1,1-Trichloroethane          | 1.3       | 1 J         |          |          |          |          |          |          | 0.5       | 5 ST            |
| 1,1-Dichloropropene            | U         | NA          |          |          |          |          |          |          | 0.5       | 5 ST            |
| Carbon Tetrachloride           | U         | U           |          |          |          |          |          |          | 0.5       | 5 ST            |
| 1,2-Dichloroethane             | U         | U           |          |          |          |          |          |          | 0.5       | 0.6 ST          |
| Trichloroethene                | 2.4       | 2 J         |          |          |          |          |          |          | 0.5       | 5 ST            |
| 1,2-Dichloropropane            | U         | U           |          |          |          |          |          |          | 0.5       | 1 ST            |
| Bromodichloromethane           | U         | U           |          |          |          |          |          |          | 0.5       | 50GV            |
| Dibromomethane                 | U         | NA          |          |          |          |          |          |          | 0.5       | 5 ST            |
| cis-1,3-Dichloropropene        | U         | U           |          |          |          |          |          |          | 0.5       | 0.4 ST *        |
| trans-1,3-Dichloropropene      | U         | U           |          |          |          |          |          |          | 0.5       | 0.4 ST *        |
| 1,1,2-Trichloroethane          | U         | U           |          |          |          |          |          |          | 0.5       | 1 ST            |
| 1,3-Dichloropropane            | U         | NA          |          |          |          |          |          |          | 0.5       | 5 ST            |
| Tetrachloroethene              | 2.3       | 2 J         |          |          |          |          |          |          | 0.5       | 5 ST            |
| Dibromochloromethane           | U         | U           |          |          |          |          |          |          | 0.5       | 50GV            |
| Chlorobenzene                  | U         | U           |          |          |          |          |          |          | 0.5       | 5 ST            |
| 1,1,1,2-Tetrachloroethane      | U         | NA          |          |          |          |          |          |          | 0.5       | 5 ST            |
| Bromoform                      | U         | U           |          |          |          |          |          |          | 0.5       | 50GV            |
| 1,1,2,2-Tetrachloroethane      | U         | U           |          |          |          |          |          |          | 0.5       | 5 ST            |
| 1,2,3-Trichloropropane         | U         | NA          |          |          |          |          |          |          | 0.5       | 0.04 ST         |
| Bromobenzene                   | U         | NA          |          |          |          |          |          |          | 0.5       | 5 ST            |
| 1,3-Dichlorobenzene            | U         | U           |          |          |          |          |          |          | 0.5       | 3 ST            |
| 1,4-Dichlorobenzene            | U         | U           |          |          |          |          |          |          | 0.5       | 3 ST            |
| 1,2-Dichlorobenzene            | U         | U           |          |          |          |          |          |          | 0.5       | 5 ST            |
| 1,2,4-Trichlorobenzene         | U         | U           |          |          |          |          |          |          | 0.5       | 5 ST            |
| Hexchlorobutadiene             | U         | NA          |          |          |          |          |          |          | 0.5       | 0.5 ST          |
| 1,2,3-Trichlorobenzene         | U         | NA          |          |          |          |          |          |          | 0.5       | 5 ST            |
| Methyl-tert-butyl ether        | U         | U           |          |          |          |          |          |          | 0.5       | ----            |
| Benzene                        | U         | U           |          |          |          |          |          |          | 0.5       | 1 ST            |
| Toluene                        | U         | U           |          |          |          |          |          |          | 0.5       | 5 ST            |
| Ethylbenzene                   | U         | U           |          |          |          |          |          |          | 0.5       | 5 ST            |
| m-Xylene                       | U         | U           |          |          |          |          |          |          | 0.5       | 5 ST            |
| p-Xylene                       | U         | U           |          |          |          |          |          |          | 0.5       | 5 ST            |
| o-Xylene                       | U         | U           |          |          |          |          |          |          | 0.5       | 5 ST            |
| Styrene                        | U         | U           |          |          |          |          |          |          | 0.5       | 5 ST            |
| Isopropylbenzene (Cumene)      | U         | U           |          |          |          |          |          |          | 0.5       | 5 ST            |
| n-Propylbenzene                | U         | NA          |          |          |          |          |          |          | 0.5       | 5 ST            |
| 1,3,5-Trimethylbenzene         | U         | NA          |          |          |          |          |          |          | 0.5       | 5 ST            |
| 2-Chlorotoluene                | U         | NA          |          |          |          |          |          |          | 0.5       | 5 ST            |
| 4-Chlorotoluene                | U         | NA          |          |          |          |          |          |          | 0.5       | 5 ST            |
| tert-Butylbenzene              | U         | NA          |          |          |          |          |          |          | 0.5       | 5 ST            |
| 1,2,4-Trimethylbenzene         | U         | NA          |          |          |          |          |          |          | 0.5       | 5 ST            |
| sec-Butylbenzene               | U         | NA          |          |          |          |          |          |          | 0.5       | 5 ST            |
| p-Isopropyltoluene(p-Cymene)   | U         | NA          |          |          |          |          |          |          | 0.5       | 5 ST            |
| n-Butylbenzene                 | U         | NA          |          |          |          |          |          |          | 0.5       | 5 ST            |
| 1,1,2-Trichlorotrifluoroethane | NA        | U           |          |          |          |          |          |          | 0.5       | 5 ST            |
| 1,2-Dibromo-3-chloropropane    | NA        | U           |          |          |          |          |          |          | 0.5       | 0.04 ST         |
| 1,2-Dibromoethane              | NA        | U           |          |          |          |          |          |          | 0.5       | 0.0006 ST       |
| 2-Butanone                     | NA        | U           |          |          |          |          |          |          | 0.5       | 50 GV           |
| 2-Hexanone                     | NA        | U           |          |          |          |          |          |          | 0.5       | 50 GV           |
| 4-Methyl-2-pentanone           | NA        | U           |          |          |          |          |          |          | 0.5       | ----            |
| Acetone                        | NA        | U           |          |          |          |          |          |          | 0.5       | 50 GV           |
| Carbon Disulfide               | NA        | U           |          |          |          |          |          |          | 0.5       | ----            |
| Methyl Acetate                 | NA        | U           |          |          |          |          |          |          | 0.5       | ----            |
| Methylcyclohexane              | NA        | U           |          |          |          |          |          |          | 0.5       | ----            |
| <b>Total VOCs</b>              | <b>14</b> | <b>12.3</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> |           | <b>----</b>     |

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\*: Result reported as a sum of 2,2-dichloropropane and cis-1,2-dichloroethene  
E: Compound concentration exceeds instrument calibration range, value estimated  
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**OFF-SITE GROUNDWATER MONITORING AND ASSESSMENT PROGRAM**  
**MONITORING WELL SAMPLE RESULTS**  
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification          | MW-9        | MW-9        | MW-9        | MW-9        | MW-9        | MW-9         | MW-9        | Contract  | NYSDEC Class GA |
|--------------------------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|-----------|-----------------|
| Sample Depth, ft               | 310-315     | 310-315     | 310-315     | 310-315     | 310-315     | 310-315      | 310-315     | Required  | Groundwater     |
| Date of Collection             | 07/17/02    | 10/18/02    | 02/03/03    | 05/09/03    | 08/01/03    | 12/08/03     | 03/10/04    | Detection | Standard or     |
| Dilution Factor                | 1.0         | 1.0         | 1.0         | 1.0         | 1.0         | 1.0          | 1.0         | Limit     | Guidance Value  |
| Units                          | (ug/l)      | (ug/l)      | (ug/l)      | (ug/l)      | (ug/l)      | (ug/l)       | (ug/l)      | (ug/l)    | (ug/l)          |
| Dichlorodifluoromethane        | U           | U           | U           | U           | U           | U            | U           | 0.5       | 5 ST            |
| Chloromethane                  | U           | U           | U           | U           | U           | U            | U           | 0.5       | 5 ST            |
| Vinyl Chloride                 | U           | U           | U           | U           | U           | U            | U           | 0.5       | 2 ST            |
| Bromomethane                   | U           | U           | U           | U           | U           | U            | U           | 0.5       | 5 ST            |
| Chloroethane                   | U           | U           | U           | U           | U           | U            | U           | 0.5       | 5 ST            |
| Fluorotrichloromethane         | U           | U           | U           | U           | U           | U            | U           | 0.5       | 5 ST            |
| 1,1-Dichloroethene             | 1           | 2           | U*          | 1.3         | 1.3         | 1.5          | 0.7 J       | 0.5       | 5 ST            |
| Methylene Chloride             | U           | U           | 0.8         | U           | U           | U            | U           | 0.5       | 5 ST            |
| trans-1,2-Dichloroethene       | U           | U           | U           | U           | U           | U            | U           | 0.5       | 5 ST            |
| 1,1-Dichloroethane             | U           | U           | U*          | U           | U           | U            | U           | 0.5       | 5 ST            |
| 2,2-Dichloropropane            | **          | U           | U           | U           | U           | U            | NA          | 0.5       | 5 ST            |
| cis-1,2-Dichloroethene         | 0.8 **      | 1           | 1           | 0.81        | 0.67        | 0.63         | U           | 0.5       | 5 ST            |
| Chloroform                     | U           | U           | U           | U           | 0.72        | 0.73         | 0.8 J       | 0.5       | 7 ST            |
| Bromochloromethane             | U           | U           | U           | U           | U           | U            | NA          | 0.5       | 5 ST            |
| 1,1,1-Trichloroethane          | 2           | 2           | U*          | 1.6         | 1.5         | 1.5          | 1 J         | 0.5       | 5 ST            |
| 1,1-Dichloropropene            | U           | U           | U           | U           | U           | U            | NA          | 0.5       | 5 ST            |
| Carbon Tetrachloride           | U           | U           | U           | U           | U           | U            | U           | 0.5       | 5 ST            |
| 1,2-Dichloroethane             | U           | U           | U           | U           | U           | U            | U           | 0.5       | 0.6 ST          |
| Trichloroethene                | 15          | 21          | 22          | 13          | 13          | 11           | 8           | 0.5       | 5 ST            |
| 1,2-Dichloropropane            | U           | U           | U           | U           | U           | U            | U           | 0.5       | 1 ST            |
| Bromodichloromethane           | U           | U           | U           | U           | U           | U            | U           | 0.5       | 50GV            |
| Dibromomethane                 | U           | U           | U           | U           | U           | U            | NA          | 0.5       | 5 ST            |
| cis-1,3-Dichloropropene        | U           | U           | U           | U           | U           | U            | U           | 0.5       | 0.4 ST *        |
| trans-1,3-Dichloropropene      | U           | U           | U           | U           | U           | U            | U           | 0.5       | 0.4 ST *        |
| 1,1,2-Trichloroethane          | U           | U           | U           | U           | U           | U            | U           | 0.5       | 1 ST            |
| 1,3-Dichloropropane            | U           | U           | U           | U           | U           | U            | NA          | 0.5       | 5 ST            |
| Tetrachloroethene              | 1           | 1           | 2           | 0.67        | 1.1         | 1.3          | 0.6 J       | 0.5       | 5 ST            |
| Dibromochloromethane           | U           | U           | U           | U           | U           | U            | U           | 0.5       | 50GV            |
| Chlorobenzene                  | U           | U           | U           | U           | U           | U            | U           | 0.5       | 5 ST            |
| 1,1,1,2-Tetrachloroethane      | U           | U           | U           | U           | U           | U            | NA          | 0.5       | 5 ST            |
| Bromoform                      | U           | U           | U           | U           | U           | U            | U           | 0.5       | 50GV            |
| 1,1,2,2-Tetrachloroethane      | U           | U           | U           | U           | U           | U            | U           | 0.5       | 5 ST            |
| 1,2,3-Trichloropropane         | U           | U           | U           | U           | U           | U            | NA          | 0.5       | 0.04 ST         |
| Bromobenzene                   | U           | U           | U           | U           | U           | U            | NA          | 0.5       | 5 ST            |
| 1,3-Dichlorobenzene            | U           | U           | U           | U           | U           | U            | U           | 0.5       | 3 ST            |
| 1,4-Dichlorobenzene            | U           | U           | U           | U           | U           | U            | U           | 0.5       | 3 ST            |
| 1,2-Dichlorobenzene            | U           | U           | U           | U           | U           | U            | U           | 0.5       | 3 ST            |
| 1,2,4-Trichlorobenzene         | U           | U           | U           | U           | U           | U            | U           | 0.5       | 5 ST            |
| Hexachlorobutadiene            | U           | U           | U           | U           | U           | U            | NA          | 0.5       | 0.5 ST          |
| 1,2,3-Trichlorobenzene         | U           | U           | U           | U           | U           | U            | NA          | 0.5       | 5 ST            |
| Methyl-tert-butyl ether        | U           | U           | U           | 0.51        | U           | U            | U           | 0.5       | ---             |
| Benzene                        | U           | U           | U           | U           | U           | U            | U           | 0.5       | 1 ST            |
| Toluene                        | U           | U           | U           | U           | U           | U            | U           | 0.5       | 5 ST            |
| Ethylbenzene                   | U           | U           | U           | U           | U           | U            | U           | 0.5       | 5 ST            |
| m-Xylene                       | U           | U           | U           | U           | U           | U            | U           | 0.5       | 5 ST            |
| p-Xylene                       | U           | U           | U           | U           | U           | U            | U           | 0.5       | 5 ST            |
| o-Xylene                       | U           | U           | U           | U           | U           | U            | U           | 0.5       | 5 ST            |
| Styrene                        | U           | U           | U           | U           | U           | U            | U           | 0.5       | 5 ST            |
| Isopropylbenzene (Cumene)      | U           | U           | U           | U           | U           | U            | U           | 0.5       | 5 ST            |
| n-Propylbenzene                | U           | U           | U           | U           | U           | U            | NA          | 0.5       | 5 ST            |
| 1,3,5-Trimethylbenzene         | U           | U           | U           | U           | U           | U            | NA          | 0.5       | 5 ST            |
| 2-Chlorotoluene                | U           | U           | U           | U           | U           | U            | NA          | 0.5       | 5 ST            |
| 4-Chlorotoluene                | U           | U           | U           | U           | U           | U            | NA          | 0.5       | 5 ST            |
| tert-Butylbenzene              | U           | U           | U           | U           | U           | U            | NA          | 0.5       | 5 ST            |
| 1,2,4-Trimethylbenzene         | U           | U           | U           | U           | U           | U            | NA          | 0.5       | 5 ST            |
| sec-Butylbenzene               | U           | U           | U           | U           | U           | U            | NA          | 0.5       | 5 ST            |
| p-Isopropyltoluene(p-Cymene)   | U           | U           | U           | U           | U           | U            | NA          | 0.5       | 5 ST            |
| n-Butylbenzene                 | U           | U           | U           | U           | U           | U            | NA          | 0.5       | 5 ST            |
| 1,1,2-Trichlorotrifluoroethane | NA          | NA          | NA          | NA          | NA          | NA           | U           | 0.5       | 5 ST            |
| 1,2-Dibromo-3-chloropropane    | NA          | NA          | NA          | NA          | NA          | NA           | U           | 0.5       | 0.04 ST         |
| 1,2-Dibromoethane              | NA          | NA          | NA          | NA          | NA          | NA           | U           | 0.5       | 0.0006 ST       |
| 2-Butanone                     | NA          | NA          | NA          | NA          | NA          | NA           | U           | 0.5       | 50 GV           |
| 2-Hexanone                     | NA          | NA          | NA          | NA          | NA          | NA           | U           | 0.5       | 50 GV           |
| 4-Methyl-2-pentanone           | NA          | NA          | NA          | NA          | NA          | NA           | U           | 0.5       | ---             |
| Acetone                        | NA          | NA          | NA          | NA          | NA          | NA           | U           | 0.5       | 50 GV           |
| Carbon Disulfide               | NA          | NA          | NA          | NA          | NA          | NA           | U           | 0.5       | ---             |
| Methyl Acetate                 | NA          | NA          | NA          | NA          | NA          | NA           | U           | 0.5       | ---             |
| Methylcyclohexane              | NA          | NA          | NA          | NA          | NA          | NA           | U           | 0.5       | ---             |
| <b>Total VOCs</b>              | <b>19.8</b> | <b>27.0</b> | <b>25.8</b> | <b>17.9</b> | <b>18.3</b> | <b>16.66</b> | <b>11.1</b> |           |                 |

**QUALIFIERS:**

U: Compound analyzed for but not detected  
J: Compound found at a concentration below the CRDL, value estimated  
\*: Result reported as a sum of 2,2-dichloropropane and cis-1,2-dichloroethene  
E: Compound concentration exceeds instrument calibration range, value estimated  
D: Result taken from reanalysis at a secondary dilution  
B: Compound found in the method blank as well as the sample  
U\*: Result qualified as non-detect based on validation criteria

**NOTES:**

\*: Value pertains to the sum of the isomers  
ST: Standard  
GV: Guidance Value  
---: Not established  
[ ] Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value  
NA: Not Analyzed for

# NEW YORK STATE SUPERFUND CONTRACT

## PSA TASK 4 WORK PLANS FOR

New Cassel Industrial Area Site  
North Hempstead, Nassau County

|                              |                  |   |
|------------------------------|------------------|---|
| Hopper/Main Street Site      | Site No. 130043  | J |
| EZ-EM Site                   | Site No. 130043N |   |
| Tops Appliance City Site     | Site No. 130043  | P |
| Swalm Avenue Site            | Site No. 130043  | R |
| Sylvester Street Site        | Site No. 130043  | R |
| New Cassel Data Review Sites | Site No. 130043  |   |
| 776-777 SUMMA AVE            | 130043           | R |

Work Assignment No. D002676-12

DATE: August 1996



9/11/96

ATW 9/11/96

Prepared for:

**New York State  
Department of  
Environmental Conservation**

50 Wolf Road, Albany, New York 12233  
Michael Zagata, Commissioner

Division of Hazardous Waste Remediation  
Michael J. O'Toole, Jr., P.E., Director

**By:**  
**Lawler, Matusky & Skelly Engineers LLP**

**NEW YORK STATE SUPERFUND CONTRACT**

**PSA TASK 4 WORK PLANS FOR**

**NEW CASSEL INDUSTRIAL AREA MULTISITE PSA**

|                                     |                         |
|-------------------------------------|-------------------------|
| <b>HOPPER/MAIN STREET SITE</b>      | <b>SITE NO. 130043J</b> |
| <b>EZ-EM SITE</b>                   | <b>SITE NO. 130043N</b> |
| <b>TOPS APPLIANCE CITY SITE</b>     | <b>SITE NO. 130043O</b> |
| <b>SWALM AVENUE SITE</b>            | <b>SITE NO. 130043P</b> |
| <b>SYLVESTER STREET SITE</b>        | <b>SITE NO. 133043Q</b> |
| <b>NEW CASSEL DATA REVIEW SITES</b> | <b>SITE NO. 130043</b>  |

**WORK ASSIGNMENT NO. D002676-12.1**

**LMSE**

**Prepared for:**

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**  
50 Wolf Road  
Albany, New York 12233

**LMSE-96/0370&650/122**

**Prepared by:**

**LAWLER, MATUSKY & SKELLY ENGINEERS LLP**  
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One Blue Hill Plaza  
Pearl River, New York 10965

**August 1996**

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## CHAPTER 1

### WORK PLAN FOR PSAs

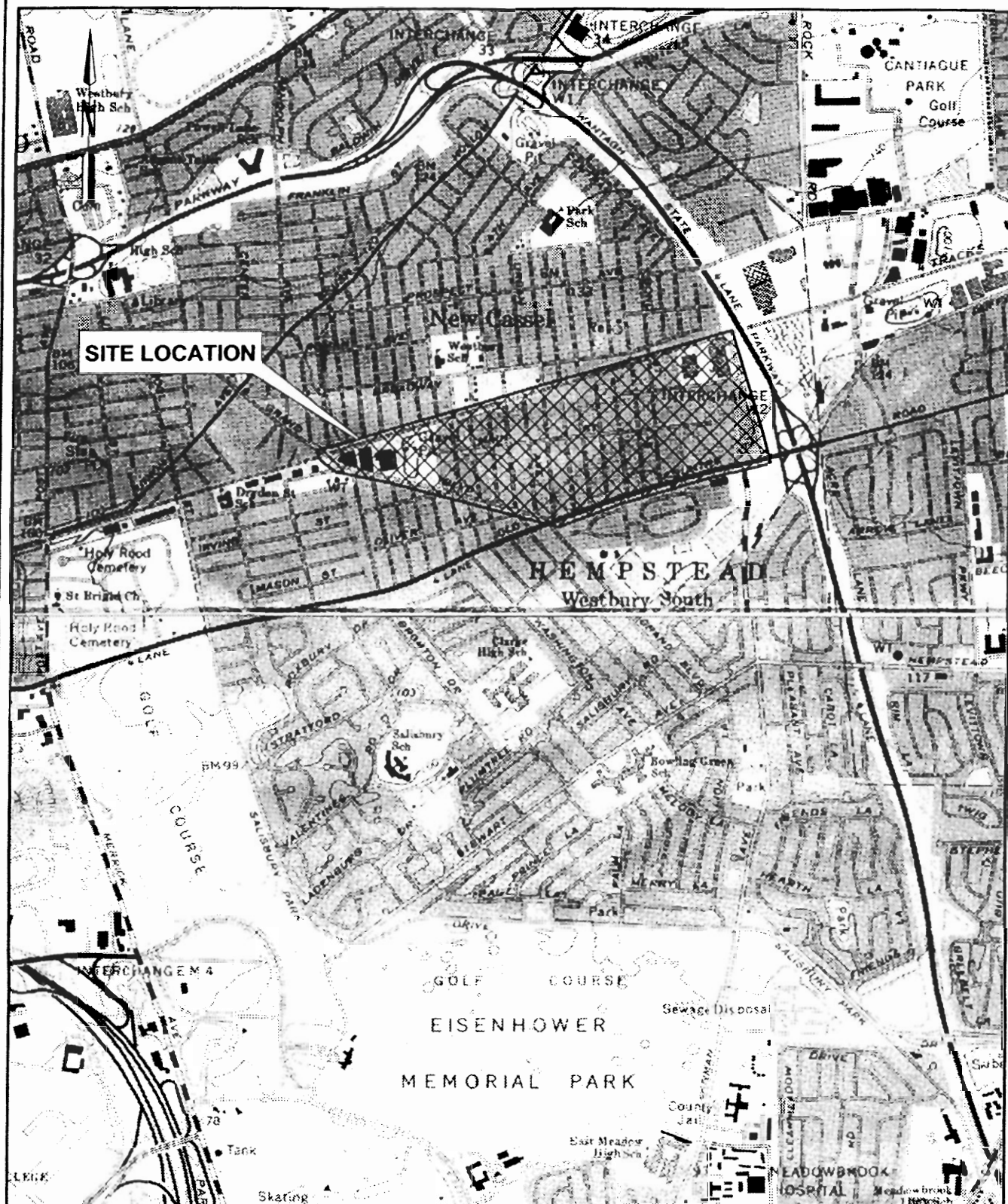
|                              |                       |
|------------------------------|-----------------------|
| Hopper/Main Street Site      | Site I.D. No. 130043J |
| EZ-EM Site                   | Site I.D. No. 130043N |
| Tops Appliance City Site     | Site I.D. No. 130043O |
| Swalm Avenue Site            | Site I.D. No. 130043P |
| Sylvester Street Site        | Site I.D. No. 130043Q |
| New Cassel Data Review Sites | Site I.D. No. 130043  |

#### 1.1 INTRODUCTION

Lawler, Matusky & Skelly Engineers LLP (LMS) was assigned to conduct a Multisite Preliminary Site Investigation (PSA) at the New Cassel Industrial Area (NCIA) (No. 130043) under the terms of the State Superfund Standby Contract. The objective of that assignment was to conduct PSAs on four potential ("P") sites to pinpoint areas of hazardous waste disposal and assess the level of threat, if any, that each identified source may pose to the environment. These four PSAs were completed in 1996 as Tasks 1, 2, and 3 of this work assignment. The results of this investigation identified five properties that should be included on the New York State Registry of Inactive Hazardous Waste Sites, 15 properties that should not be included on the registry, and 12 potential registry sites. Based on the currently available data, additional investigations are needed to resolve the status of the remaining potential registry sites. These investigations will be conducted as Task 4 of this Multisite PSA work assignment. The work will include additional detailed file reviews, targeted sampling/facility inspections, and data analysis/report generation.

The New York State Department of Environmental Conservation (NYSDEC) has designated the following five "P" sites for which have PSAs will be conducted under Task 4 of this work assignment:

- Site No. 130043J Hopper/Main Street
- Site No. 130043N EZ-EM
- Site No. 130043O Tops Appliance City
- Site No. 130043P Swalm Avenue
- Site No. 130043Q Sylvester Street



0 2000 ft

SCALE  
1 in. = 2000 ft

Map source:

USGS 7.5-minute quadrangle series,  
Freeport, NY, 1969, photorevised 1979,  
Hicksville, NY, 1967, photorevised 1979.



Figure 1-1

### Site Location

NEW CASSEL INDUSTRIAL AREA  
NYSDEC I.D. No. 130043 J, N-Q, and 130043

LAWLER, MATUSKY & SKELLY ENGINEERS LLP  
Pearl River, New York

650122USGS 614

**Table 1-1**

**NEW CASSEL INDUSTRIAL AREA SITE**

**NYSDEC Site No. 130043J, N-Q and 130043**

**Properties to be Investigated**

| Site Name / Address                 | Current Use                        | Tax Block | Tax Lot       |
|-------------------------------------|------------------------------------|-----------|---------------|
| <b>Hopper /Main Street Site</b>     |                                    |           |               |
| <b>NYSDEC ID NO. 130043J</b>        |                                    |           |               |
| 95 Hopper Street                    | Bilt-Rite Steel Buck               | 71        | 9-15,50-58    |
| 542 Main Street                     | Al's Tool & Die                    | 71        | 6-8           |
| 550 Main Street                     | Royal Guard Fence                  | 72        | 1-4           |
| 299 Main Street                     | One Stop Auto & Truck Center       | 144       | 37-44         |
| <b>EZ-EM Site</b>                   |                                    |           |               |
| <b>NYSDEC ID NO. 130043N</b>        |                                    |           |               |
| 717-765 Main Street                 | EZ-EM                              | 328       | 148           |
| 760 Summa Avenue                    | EZ-EM                              | 328       | 173           |
| <b>Tops Appliance City Site</b>     |                                    |           |               |
| <b>NYSDEC ID NO. 130043O</b>        |                                    |           |               |
| 1099 Old Country Road               | Tops Appliance City                | 328       | 180           |
| 776-790 Summa Ave.                  | NYCE, Liberty, Tempest             | 328       | 150, 151, 141 |
| <b>Swalm Avenue Site</b>            |                                    |           |               |
| <b>NYSDEC ID NO. 130043P</b>        |                                    |           |               |
| 118-138 Swalm Avenue                | Liqui-Mark Corporation             | 164       | 19-29         |
| <b>Sylvester Street Site</b>        |                                    |           |               |
| <b>NYSDEC ID NO. 130043Q</b>        |                                    |           |               |
| 33 Sylvester Street                 | Arkwin Industry                    | 76        | 57-65         |
| 49 Sylvester Street                 | Micrp-Ray Corporation              | 76        | 66-68         |
| 69 Sylvester Street                 | T. Sarro Salvage                   | 76        | 73-77         |
| <b>New Cassel Data Review Sites</b> |                                    |           |               |
| <b>NYSDEC ID NO. 130043</b>         |                                    |           |               |
| 750 Main Street                     | Tops Appliance City                | 328       | 179           |
| 1226 Old Country Road               | Westbury Toyota                    | 328       | 124           |
| 110 Hopper Street                   | Express Steel                      | 145       | 31-37         |
| 111&117 Swalm Street                | Harco Trucking - Harmon Associates | 145       | 64&65         |

Table 1-2

## NEW CASSEL INDUSTRIAL AREA SITE

NYSDEC Site No. 130043J, N-Q and 130043

## Additional File Reviews

| Site Name / Address                                  | Current Use                        | Tax Block | Tax Lot       | Follow Up File Review | Detailed File Review |
|------------------------------------------------------|------------------------------------|-----------|---------------|-----------------------|----------------------|
| Hopper /Main Street Site<br>NYSDEC ID NO. 130043J    |                                    |           |               |                       |                      |
| 95 Hopper Street                                     | Bilt-Rite Steel Buc'               | 71        | 9-15,60-68    | X                     |                      |
| 642 Main Street                                      | Al's Tool & Die                    | 71        | 5-8           | X                     |                      |
| 550 Main Street                                      | Royal Guard Fence                  | 72        | 1-4           | X                     |                      |
| 299 Main Street                                      | One Stop Auto & Truck Center       | 144       | 37-44         | X                     |                      |
| EZ-EM Site<br>NYSDEC ID NO. 130043N                  |                                    |           |               |                       |                      |
| 717-765 Main Street                                  | EZ-EM                              | 328       | 148           | X                     |                      |
| 760 Summa Avenue                                     | EZ-EM                              | 328       | 173           |                       | X                    |
| Tops Appliance City Site<br>NYSDEC ID NO. 130043Q    |                                    |           |               |                       |                      |
| 1099 Old Country Road                                | Tops Appliance City                | 328       | 180           | X                     |                      |
| 776-780 Summa Ave.                                   | NYCE, Liberty, Tempest             | 328       | 150, 161, 141 | X                     |                      |
| Swalm Avenue Site<br>NYSDEC ID NO. 130043P           |                                    |           |               |                       |                      |
| 118-138 Swalm Avenue                                 | Liqui-Mark Corporation             | 164       | 19-29         |                       | X                    |
| Sylvester Street Site<br>NYSDEC ID NO. 130043Q       |                                    |           |               |                       |                      |
| 33 Sylvester Street                                  | Arkwin Industry                    | 76        | 57-65         | X                     |                      |
| 49 Sylvester Street                                  | Micro-Ray Corporation              | 76        | 66-68         | X                     |                      |
| 69 Sylvester Street                                  | T. Sarro Salvage                   | 76        | 73-77         | X                     |                      |
| New Cassel Data Review Sites<br>NYSDEC ID NO. 130043 |                                    |           |               |                       |                      |
| 760 Main Street                                      | Tops Appliance City                | 328       | 179           | X                     |                      |
| 1226 Old Country Road                                | Westbury Toyota                    | 328       | 124           |                       | X                    |
| 110 Hopper Street                                    | Express Steel                      | 145       | 31-37         |                       | X                    |
| 111&117 Swalm Street                                 | Harco Trucking - Harmon Associates | 145       | 64&66         |                       | X                    |

- Relative cleanliness of the operation (appearance of the manufacturing space)
- If possible, the location of any abandoned septic tank/leachpool systems

Several photographs of each facility will be taken to document each inspection. It is anticipated that NYSDEC will inform the property owners of the impending inspections; LMS will make the specific arrangements regarding the time and date of each inspection.

### **1.5.3 Targeted Sampling and Analysis**

LMS proposes to install approximately 43 probes to a depth of 90 to 95 ft using the Geoprobe sampling system for the collection of soil and groundwater samples from the potential registry site areas. The goals and objectives of this sampling effort are to document specific sources of hazardous waste disposal at each of the sites. Groundwater probes will be installed at 43 locations (Figures 1-3 to 1-5). The groundwater probes will be located in suspected disposal locations, upgradient and downgradient positions, and locations where data gaps were identified. Based on previous sampling data, the water table is anticipated to be approximately 50 to 55 ft below grade. One groundwater sample will be collected from each of three approximate depth intervals (at the water table, 73 to 75 below grade, and 93 to 95 ft below grade) for a total of approximately 144 samples. At approximately 22 of the probe locations, one soil sample will be retrieved from a depth of 10 to 12 ft, just below any septic/leachpool systems. The same probing methods and procedures used in the previous phases of the investigation will be used during this phase to ensure the collection of high-quality representative samples. As necessary these locations will be modified in the field based on actual site conditions and the preliminary mobile laboratory results. Table 1-3 summarizes the proposed sampling effort and the anticipated number of samples for each of the properties to be investigated.

During the last phase of the Multisite PSA it was found that the Geoprobe sampling system was unable to reach the required depths at several locations in the Sylvester Street/Kinkel Street area. Apparently there is a hard sand or silt layer at depth that results in shallow refusals and excessive wear and tear on the equipment. In order to collect the necessary samples the Hydropunch sampling system will be used. The Hydropunch sampling in the Sylvester/Kinkel street area will involve collecting three groundwater samples from the same depths selected for the Geoprobe sampling. The proposed sampling locations, shown on Figure 1-4, are subject to modification based on utility clearance and access. The sampling will be done using a standard hollow-stem auger (HSA) drilling rig equipped with the Hydropunch equipment. At each sampling location an HSA will be used to advance a boring to a depth close to the target depth. Once this is completed the Hydropunch equipment will be driven to the target depth and the sample will be collected. Upon sample retrieval the equipment will be steamcleaned and

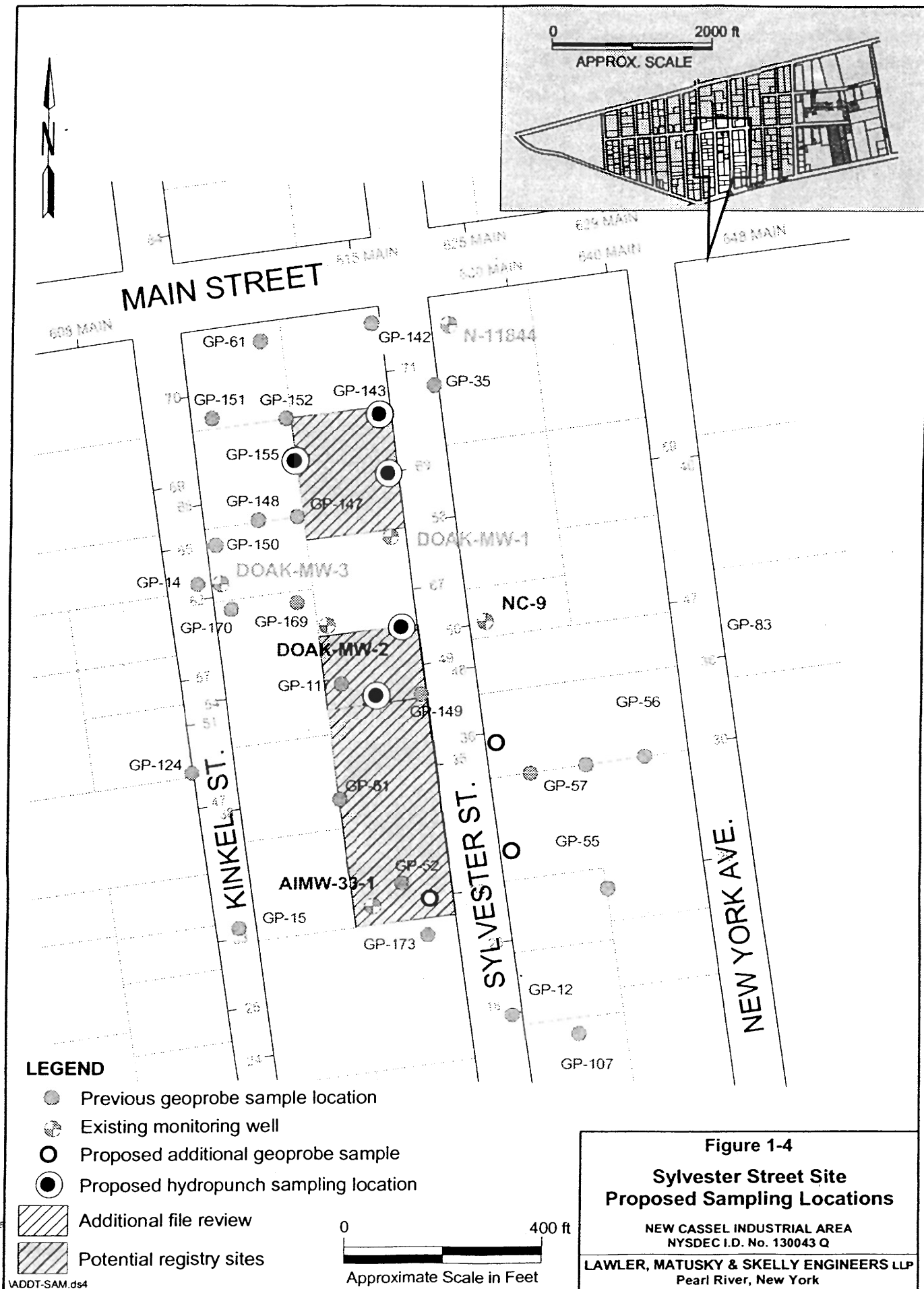


Table 1-3

## NEW CASSEL INDUSTRIAL AREA SITE

NYSDEC Site No. 130043J, N-Q, and 130043

## Sampling and Analysis Summary

| Site Name / Address                                   | Current Use                        | TAX<br>BLOCK | TAX<br>LOT    | Geoprobe<br>GW<br>Samples | Geoprobe<br>Soil<br>Samples | Hydropunch<br>GW<br>Samples | Mobile<br>Lab<br>GW | Mobile<br>Lab<br>Soil | Mobile<br>Lab<br>Dilutions |
|-------------------------------------------------------|------------------------------------|--------------|---------------|---------------------------|-----------------------------|-----------------------------|---------------------|-----------------------|----------------------------|
| Hopper / Main Street Site<br>NYSDEC ID NO. 130043J    |                                    |              |               |                           |                             |                             |                     |                       |                            |
| 95 Hopper Street                                      | Blit-Rite Steel Buck               | 71           | 9-15, 50-58   | 3                         | 2                           | 0                           | 9                   | 2                     | 0                          |
| 542 Main Street                                       | Al's Tool & Die                    | 71           | 5-8           | 5                         | 0                           | 0                           | 15                  | 0                     | 0                          |
| 550 Main Street                                       | Royal Guard Fence                  | 72           | 1-4           | 3                         | 0                           | 0                           | 9                   | 0                     | 0                          |
| 299 Main Street                                       | One Stop Auto & Truck Center       | 144          | 37-44         | 4                         | 1                           | 0                           | 12                  | 1                     | 0                          |
| Sylvester Street Site<br>NYSDEC ID NO. 130043Q        |                                    |              |               |                           |                             |                             |                     |                       |                            |
| 33 Sylvester Street                                   | Atkin Industry                     | 78           | 57-65         | 3                         | 2                           | 0                           | 9                   | 2                     | 1                          |
| 49 Sylvester Street                                   | Micro-Ray Corporation              | 78           | 66-68         | 0                         | 2                           | 3                           | 9                   | 1                     | 1                          |
| 69 Sylvester Street                                   | T. Sarro Salvage                   | 78           | 73-77         | 0                         | 0                           | 2                           | 6                   | 0                     | 0                          |
| EZ-EM Site<br>NYSDEC ID NO. 130043N                   |                                    |              |               |                           |                             |                             |                     |                       |                            |
| 717-765 Main Street                                   | EZ-EM                              | 328          | 148           | 5                         | 2                           | 0                           | 15                  | 2                     | 0                          |
| 750 Summa Avenue                                      | EZ-EM                              | 328          | 173           | 4                         | 2                           | 0                           | 12                  | 2                     | 0                          |
| Tops Appliance City Site<br>NYSDEC ID NO. 130043O     |                                    |              |               |                           |                             |                             |                     |                       |                            |
| 1099 Old Country Road                                 | Tops Appliance City                | 328          | 180           | 5                         | 4                           | 0                           | 15                  | 3                     | 4                          |
| 778-790 Summa Ave.                                    | NYCE, Liberty, Tempco              | 328          | 150, 151, 141 | 3                         | 5                           | 0                           | 9                   | 6                     | 0                          |
| Swalm Avenue Site<br>NYSDEC ID NO. 130043P            |                                    |              |               |                           |                             |                             |                     |                       |                            |
| 118-138 Swalm Avenue                                  | Liqui-Mark Corporation             | 164          | 19-29         | 8                         | 2                           | 0                           | 24                  | 2                     | 4                          |
| New Cassell Data Review Sites<br>NYSDEC ID NO. 130043 |                                    |              |               |                           |                             |                             |                     |                       |                            |
| 750 Main Street                                       | Tops Appliance City                | 328          | 179           | 0                         | 0                           | 0                           | 0                   | 0                     | 0                          |
| 1226 Old Country Road                                 | Westbury Toyota                    | 328          | 124           | 0                         | 0                           | 0                           | 0                   | 0                     | 0                          |
| 110 Hopper Street                                     | Express Steel                      | 145          | 31-37         | 0                         | 0                           | 0                           | 0                   | 0                     | 0                          |
| 1111 & 117 Swalm Street                               | Harco Trucking - Harmon Associates | 145          | 64 & 65       | 0                         | 0                           | 0                           | 0                   | 0                     | 0                          |
| Totals                                                |                                    |              |               | 43                        | 22                          | 5                           | 144                 | 21                    | 10                         |

## CHAPTER 2

### MANAGEMENT APPROACH

#### 2.1 PROJECT STAFFING PLAN

LMS, as prime contractor, will be responsible for overall project technical direction and administration. Subcontractors will be utilized as necessary to complete certain tasks; the major subcontractors proposed for Task 4 team are:

- YEC, Inc., P.C. - professional services
- Inchcape Testing Services, Aquatec Laboratories, Inc. - laboratory analyses
- Zebra Environmental - Geoprobe
- Commonwealth Analytical - mobile laboratory
- Aquifer Drilling and Testing - Hydropunch

Other minor subcontractors are listed below. The proposed project organization is shown on Figure 2-1.

Mr. Edward A. Maikish, P.E., director of LMS' Site Investigation Section (NSPE Grade 7), will be the program administrator for this work assignment. Mr. Maikish will be directly responsible to NYSDEC for conducting the program and will provide overall supervision and guidance for project personnel. He will ensure staff and resources availability for completion of the project; approve assignments, work scopes, budgets, and staffing plans; and provide technical advice on the project approach.

Dr. Thomas E. Pease, P.E., manager of LMS' Hazardous Waste & Geology Group (NSPE Grade 9), will be the partner-in-charge for this work assignment. As partner-in-charge he will review the major technical conclusions drawn and administrative decisions made.

Mr. Michael D. Lehtinen (NSPE Grade 3) will be the project manager for the New Cassel Multisite PSA and will be the primary LMS contact for NYSDEC. Mr. Lehtinen's responsibilities will include technical and administrative management of task managers; subcontractors, personnel, and equipment scheduling; tracking and management of the project budget; and technical review of all submittals. Mr. Lehtinen will also serve as the project's on-

site Health and Safety Officer (HSO). He will be primary author and will coordinate the preparation of the PSA report.

Ms. Karen A. Wright (NSPE Grade 5) will be the project's HSO. In this role, she will ensure compliance with the HASP provisions. Ms. Wright will also ensure that all field personnel have received appropriate health and safety, first aid, and CPR training, and have met the requirements of LMS' medical monitoring program.

Dr. William K. Ahlert (NSPE Grade 6) will be the project Quality Assurance Officer (QAO). In this capacity, Dr. Ahlert will provide ongoing surveillance of project activities to ensure conformance with the QAPjP and will coordinate laboratory analyses of environmental and QA/QC samples. Dr. Ahlert also will be responsible for reviewing project sampling and analytical procedures to ensure representative sample collection and performance of analytical methodologies within specified criteria, and preparation of a data assessment and usability statement for the project report.

Karen Ricciardi (NSPE Grade 1) will serve as task manager for the field investigation subtasks, including oversight of all sampling. Her duties will include technical and administrative coordination of the probing, environmental sampling, and scheduling of field activities. Ms. Ricciardi will also function as the on-site HSO during implementation of the field activities and as the project geologist, evaluating the field information obtained.

## **2.2 PROJECT SCHEDULE**

LMS' proposed project schedule is presented on Table 2-1. The field schedule, which is scheduled to start 3 September 1996, assumes that we receive NYSDEC approval and notice to proceed by 16 August 1996. If this approval is delayed, the field schedule and PSA deadline/reports will be similarly delayed.

## **2.3 PROJECT DELIVERABLES**

A listing of the project deliverables is presented on Table 2-2. These deliverables are based on meeting the schedule listed on Table 2-1.

## **2.4 PROJECT SUBCONSULTANTS AND SUBCONTRACTORS**

The list of subconsultants and subcontractors we propose to use as part of Task 4 of this project is presented in Table 2-3.

TABLE 2-2

DELIVERABLES

NYSDEC Standby Contract

New Cassel Multisite PSA  
Site No. 130043 N-Q and 130043  
Work Assignment No. D002676-12.1

| TASK | DELIVERABLE*                        | PROPOSED DUE DATE | COPIES |
|------|-------------------------------------|-------------------|--------|
| 4    | Draft Work Plan, LOE Budget         | 07/01/96          | 4      |
|      | Revised Draft Work Plan, LUE Budget | -                 | 1      |
|      | Final Work Plan                     | 08/16/96          | 8      |
|      | Project Schedule                    | 08/16/96          | 8      |
|      | Draft Five-site PSA Report          | 02/06/96          | 10     |
|      | Final Five-site PSA Report          | 01/27/97          | 50     |

\*All deliverables will be sent to Joe White as per NYSDEC work assignment.

YEC Inc., P.C., will provide professional engineering services. They are an approved minority-owned business enterprise (MBE) whose established salary, overhead, and fee rates have been approved by NYSDEC on other Standby Contract assignments.

Inchcape Testing Services, Aquatec Laboratories, are under standby contract to LMS, and they are next in line for an assignment.

Zebra Environmental was selected to provide Geoprobe probing services. They have agreed to provide additional probing services at approved unit rates that were established based on a low bid they provided.

Commonwealth Analytical was selected to provide mobile laboratory services based on a bid received from them. They have agreed to provide additional mobile laboratory services at approved unit rates that were established based on a low bid they provided.

Aquifer Drilling and Testing was selected to provide Hydropunch groundwater sampling based on a low bid received from them (see attached bid package).

## **2.5 MBE/WBE UTILIZATION PLAN**

This document outlines LMS' Minority-owned Business Enterprise/Women-owned Business Enterprise (MBE/WBE) Utilization Plan as required by the New York State Superfund Standby Contract. The purpose of the plan is to document our intent to comply with the regulations under 9NYCRR Part 543 entitled "Requirements and Procedures Regarding Business Participation Opportunities for Minorities and Women on State Contracts." LMS will make every effort to meet the goals established by those regulations, i.e., 15% MBE participation and 5% WBE participation, through implementation of our proposed utilization plan as described below.

LMS is committed to equal opportunity employment, with corporate involvement meeting or exceeding the state regulations referenced in this contract. Evidence of this is provided by the fact that, as a whole, LMS currently employs 10.8% minorities and 32.3% women. To assure full implementation of the equal employment policy, we will take steps to ensure that:

- a. Persons are recruited, hired, assigned, and promoted without regard to race, religion, marital status, color, sexual orientation, national origin, sex, veteran's status, age, or non-job-related disability of any kind.
- b. All other personnel actions, such as compensation, benefits, transfers, layoffs and recall from layoffs, access to training, education, tuition assistance, and social

## **CHAPTER 3**

### **Schedule 2.11 Cost Tables**

**SCHEDULE 2.11 (a)**  
**SUMMARY OF WORK ASSIGNMENT PRICE**  
 Work Assignment Number D002676-12B-1  
 ALL 10 SITES

| LINE ITEM                                                         | AMOUNT (\$)                     |
|-------------------------------------------------------------------|---------------------------------|
| 1. Direct Salary Costs (Schedules 2.10 (a) and 2.11 (b))          | 86,661                          |
| 2. Indirect Costs (Schedule (2.10 (g))                            | 134,324                         |
| 3. Direct Non-Salary Costs (Schedules 2.10 (d,e,f) and 2.11 (c,d) | 31,112                          |
| <b>Subcontract Costs:</b>                                         |                                 |
| <b>Name of Subcontractor</b>                                      | <b>Services to be Performed</b> |
| 1. YEC, Inc                                                       | Professional services           |
| 4. Total Cost-Plus-Fixed Fee Subcontracts                         | 43,662                          |
| <b>Unit Price Subcontracts (Schedule 2.10 (f) and 2.11 (f))</b>   |                                 |
| <b>Name of Subcontractor</b>                                      | <b>Services to be Performed</b> |
| 1. Zebra Environmental                                            | Geoprobe                        |
|                                                                   | GW & Soil Sampling              |
| 2. Commonwealth Analytical                                        | Mobile Laboratory               |
| 3. Inchcape Testing Lab (Aquatec)                                 | Laboratory Analysis             |
| 4. Marsden Reproduction                                           | Reproduction                    |
| 5. Mr. Electric Service (MBE)                                     | Electrical work                 |
| 6. Spiegel Associates                                             | Lease space for trailer         |
| 7. Technical Editor (M.L. Pinkhsm (WBE))                          | Technical Editor                |
| 8. Sub-Surface Informational Surveys, Inc.                        | GPR Services                    |
| 9. Cassone Trailer                                                | Trailer Rental                  |
| 10. Advanced Drilling & Testing                                   | Drilling, hydropunch            |
| 5. Total Unit Price Subcontracts                                  | 141,776                         |
| 6. Subcontract Management Fee (Schedule 2.11[f])                  | 6,049                           |
| 7. Total Subcontract Costs (lines 4 + 5)                          | 185,438                         |
| 8. Fixed Fee (Schedule 2.10 (h))                                  | 21,007                          |
| 9. Total Work Assignment Price (lines 1 + 2 + 3 + 6 + 7)          | 464,592                         |

ENGINEER/CONTRACT No.: Lawler, Matusky & Skelly Engineers LLP  
 PROJECT NAME: All 10 Sites  
 WORK ASSIGNMENT No.: 02676-12B-1

DATE PREPARED: 15 Aug 96

**SCHEDULE 2.11(b-1)**  
**DIRECT ADMINISTRATIVE LABOR HOURS BUDGETED**

| NSPE LABOR<br>CLASSIFICATION | IX         | VIII       | VII         | VI         | V          | IV         | III         | II          | I           | WP         | TOTAL No.<br>OF DIRECT<br>ADMINISTRATIVE<br>LABOR HOURS<br>BUDGETED |
|------------------------------|------------|------------|-------------|------------|------------|------------|-------------|-------------|-------------|------------|---------------------------------------------------------------------|
| Task 1                       | 0.0        | 0.0        | 9.0         | 0.0        | 0.0        | 0.0        | 0.5         | 20.0        | 1.0         | 0.0        | 30.5                                                                |
| Task 2                       | 3.5        | 0.0        | 15.3        | 0.0        | 1.0        | 0.0        | 3.0         | 13.5        | 1.5         | 2.5        | 40.3                                                                |
| Task 3                       | 0.5        | 0.0        | 9.0         | 0.0        | 0.0        | 0.0        | 1.0         | 6.3         | 2.0         | 1.5        | 20.3                                                                |
| Task 4                       | 1.0        | 0.0        | 20.0        | 0.0        | 0.0        | 0.0        | 18.0        | 9.0         | 11.0        | 4.0        | 63.0                                                                |
| <b>TOTAL HOURS:</b>          | <b>5.0</b> | <b>0.0</b> | <b>53.3</b> | <b>0.0</b> | <b>1.0</b> | <b>0.0</b> | <b>22.5</b> | <b>48.8</b> | <b>15.5</b> | <b>8.0</b> | <b>154.0</b>                                                        |

Contract/Project administrative hours would include but not necessarily be limited to the following activities:

1. Work Plan Development
  - Conflict of Interest Check
  - Develop of budget schedules and supporting documentation
2. Review work assignment (WA) progress
  - Conduct progress reviews
  - Prepare monthly project report
  - Update WA progress schedule
  - Prepare monthly M/WBE Utilization Report
3. Review work assignment costs
  - Prepare monthly cost control report
  - Cost control reviews

4. CAP Preparation
  - Oversee and prepare monthly CAP
  - Respond to payment issues/disallowances
  - NSPE list updates
  - Equipment Inventory
5. Manage subcontracts
6. Implement and manage program management and staffing plans
7. Conduct Health and Safety Reviews
8. Word processing and graphic artists
9. Report editing

Contract/Project administration hours would NOT include activities such as:

1. QA/QC reviews
2. Technical oversight by management
3. Develop subcontracts
4. Work plan development
5. Review of deliverables

## SCHEDULE 2.11(e)

**COST-PLUS FIXED FEE SUBCONTRACTS**

Work Assignment Number D002676-12B-1

ALL 10 SITES

| NAME OF SUBCONTRACTOR | SERVICE TO BE PERFORMED | SUBCONTRACT PRICE |
|-----------------------|-------------------------|-------------------|
| 1. YEC, Inc           | Professional services   | \$43,662.32       |

**A. Direct Salary Costs**

| PROFESSIONAL RESPONSIBILITY LEVEL | LABOR CLASS. | 1995 MAXIMUM REIMB. RATE (\$/hr) | 1996 MAXIMUM REIMB. RATE (\$/hr) | 1995 ESTIMATED NUMBER OF HOURS | 1996 ESTIMATED NUMBER OF HOURS | TOTAL ESTIMATED DIRECT SALARY COST (\$) |
|-----------------------------------|--------------|----------------------------------|----------------------------------|--------------------------------|--------------------------------|-----------------------------------------|
| Principal                         | VIII         | 42.39                            | 44.94                            | 12                             | 8                              | \$868.20                                |
| Sr Geologist/Scientist/Eng.       | V            | 33.35                            | 35.36                            | 56                             | 0                              | \$1,867.60                              |
| Licensed Surveyor/Staff           |              |                                  |                                  |                                |                                |                                         |
| Geo./Sci./Eng.                    | IV           | 27.88                            | 29.55                            | 40                             | 0                              | \$1,115.20                              |
| Staff Geo./Sci./                  |              |                                  |                                  |                                |                                |                                         |
| Eng./Sr Draftsperson              | III          | 20.91                            | 22.16                            | 40                             | 78                             | \$2,564.88                              |
| Sr. Tech./Staff Eng./Sci./Geo.    | II           | 16.78                            | 17.79                            | 392                            | 169                            | \$9,584.27                              |
| <b>TOTAL DIRECT SALARY COSTS:</b> |              |                                  |                                  |                                |                                | <b>\$16,000.15</b>                      |

**FOOTNOTES:**

- 1 - These rates will be held firm until October 31, 1995.
- 2 - Reimbursement will be limited to the lesser of either the individuals actual hourly rate or the maximum rate for each labor category.
- 3 - Reimbursement will be limited to the maximum reimbursement rate for the professional responsibility level of the actual work performed.
- 4 - Only those labor classifications indicated with an asterix will be entitled to overtime.
- 5 - Reimbursement for technical time of principals, owners and officers will be limited to the maximum maximum reimbursement rate of that labor category, the actual hourly labor rate paid, or the Federal GS-18 rate, whichever is lower.
- 6 - The maximum rates in each labor category can be modified only by mutual written agreement and approved by both the Department and the Comptroller.
- 7 - This footnote applies to Schedules for years 4 thru 7 only. If the U.S. cost-of-living index increases at a rate greater than 6% compounded annually, the maximum salary rates will be subject to renegotiation for future years of the contract.

## SCHEDULE 2.11(f)

**UNIT PRICE SUBCONTRACTS**  
**Work Assignment Number D002676-12B-1**  
**ALL 10 SITES**

| NAME OF SUBCONTRACTOR  | SERVICES TO BE PERFORMED       | SUBCONTRACT PRICE | MGMT. FEE  |
|------------------------|--------------------------------|-------------------|------------|
| 1. Zebra Environmental | Geoprobe<br>GW & Soil Sampling | \$55,147.49       | \$2,757.37 |

| ITEM                                                                         | \$ MAX REIMBURSEMENT<br>RATE (Specify Unit) | EST. NO.<br>OF UNITS | TOTAL<br>EST. COST (\$) |
|------------------------------------------------------------------------------|---------------------------------------------|----------------------|-------------------------|
| <b>TASK 2.6 GW Probes</b>                                                    |                                             |                      |                         |
| Daily rate including 2 person crew and probe unit (assumes 8 hours on-site): | \$990 /day                                  | 21.35605             | \$21,142.49             |
| Overtime rate (including 2 person crew and probe unit):                      | \$150 /hr                                   | 24                   | \$3,600.00              |
| Sampling charge for soils:                                                   | \$15 /sample                                | 44                   | \$660.00                |
| Sampling charge for groundwater:                                             | \$15 /sample                                | 180                  | \$2,700.00              |
| Mob/demob (ls):                                                              | No charge                                   | -                    | \$0.00                  |
| Per diem (per manday)                                                        | No charge                                   | -                    | \$0.00                  |
| Soil conductivity logging*:                                                  | No charge                                   | 8                    | \$0.00                  |
| <b>TASK 4.3 GW Probes</b>                                                    |                                             |                      |                         |
| Daily rate including 2 person crew and probe unit (assumes 8 hours on-site): | \$990 /day                                  | 20                   | \$19,800.00             |
| Overtime rate (including 2 person crew and probe unit):                      | \$150 /hr                                   | 32                   | \$4,800.00              |
| Sampling charge for soils:                                                   | \$15 /sample                                | 34                   | \$510.00                |
| Sampling charge for groundwater:                                             | \$15 /sample                                | 129                  | \$1,935.00              |
| Mob/demob (ls):                                                              | No charge                                   | -                    | \$0.00                  |
| Per diem (per manday)                                                        | No charge                                   | -                    | \$0.00                  |
| <b>Subcontract Total:</b>                                                    |                                             |                      | <b>\$55,147.49</b>      |
| <b>Subcontract Management Fee:</b>                                           |                                             |                      | <b>\$2,757.37</b>       |

NOTE: A subcontract management fee of 5% will be allowed on total subcontracts over \$10,000 subject to the terms specified in the management fee protocol.

## SCHEDULE 2.11(f)

**UNIT PRICE SUBCONTRACTS**  
**Work Assignment Number D002676-12B-1**  
**ALL 10 SITES**

| NAME OF SUBCONTRACTOR             | SERVICES TO BE PERFORMED | SUBCONTRACT PRICE | MGMT. FEE |
|-----------------------------------|--------------------------|-------------------|-----------|
| 3. Inchcape Testing Lab (Aquatec) | Laboratory Analysis      | \$2,264.20        | \$0.00    |

| ITEM                               | METHOD    | \$ MAX REIMBURSEMENT<br>RATE (Specify Unit) | EST. NO.<br>OF UNITS | TOTAL<br>EST. COST (\$) |
|------------------------------------|-----------|---------------------------------------------|----------------------|-------------------------|
| <b>TASK 2.4 SWL Survey</b><br>VOCs | 8010/8020 | \$90 /ea                                    | 16.157778            | \$1,454.20              |
| <b>TASK 4.3 GW Probes</b><br>VOCs  | 8010/8020 | \$90 /ea                                    | 9                    | \$810.00                |
| <b>SUBTOTAL:</b>                   |           |                                             |                      | <b>\$2,264.20</b>       |
| <b>Subcontract Subtotal:</b>       |           |                                             |                      | <b>\$2,264.20</b>       |
| <b>Subcontract Management Fee:</b> |           |                                             |                      | <b>\$0.00</b>           |

NOTE: A subcontract management fee of 5% will be allowed on total subcontracts over \$10,000 subject to the terms specified in the management fee protocol.

## SCHEDULE 2.11(f)

**UNIT PRICE SUBCONTRACTS**  
**Work Assignment Number D002676-12B-1**  
**ALL 10 SITES**

| NAME OF SUBCONTRACTOR         | SERVICES TO BE PERFORMED | SUBCONTRACT<br>PRICE | MGMT.<br>FEE |
|-------------------------------|--------------------------|----------------------|--------------|
| 5. Mr. Electric Service (MBE) | Electrical work          | \$1,355.00           | \$0.00       |

| ITEM                        | \$ MAX REIMBURSEMENT<br>RATE (Specify Unit) | EST. NO.<br>OF UNITS | TOTAL<br>EST. COST (\$) |
|-----------------------------|---------------------------------------------|----------------------|-------------------------|
| <b>TASK 2.2 Mob/Demob</b>   |                                             |                      |                         |
| Power hook-up               | \$1,355 /ls                                 | 1                    | \$1,355.00              |
| Subcontract Total:          |                                             |                      | \$1,355.00              |
| Subcontract Management Fee: |                                             |                      | \$0.00                  |

NOTE: A subcontract management fee of 5% will be allowed on total subcontracts over \$10,000 subject to the terms specified in the management fee protocol.

## SCHEDULE 2.11(f)

**UNIT PRICE SUBCONTRACTS**  
**Work Assignment Number D002676-12B-1**  
**ALL 10 SITES**

| NAME OF SUBCONTRACTOR                    | SERVICES TO BE PERFORMED | SUBCONTRACT<br>PRICE | MGMT.<br>FEE |
|------------------------------------------|--------------------------|----------------------|--------------|
| 7. Technical Editor (M.L. Pinkhsm (WBE)) | Technical Editor         | \$0.00               | \$0.00       |

| ITEM                               | \$ MAX REIMBURSEMENT<br>RATE (Specify Unit) | EST. NO.<br>OF UNITS | TOTAL<br>EST. COST (\$) |
|------------------------------------|---------------------------------------------|----------------------|-------------------------|
| <b>TASK 3.1 Draft Report</b>       |                                             |                      |                         |
| Editorial services                 | \$35 /hr                                    | 0                    | \$0.00                  |
| <b>Subcontract Total:</b>          |                                             |                      | <b>\$0.00</b>           |
| <b>Subcontract Management Fee:</b> |                                             |                      | <b>\$0.00</b>           |

NOTE: A subcontract management fee of 5% will be allowed on total subcontracts over \$10,000 subject to the terms specified in the management fee protocol.

## SCHEDULE 2.11(f)

**UNIT PRICE SUBCONTRACTS**  
**Work Assignment Number D002676-12B-1**  
**ALL 10 SITES**

| NAME OF SUBCONTRACTOR | SERVICES TO BE PERFORMED | SUBCONTRACT PRICE | MGMT. FEE |
|-----------------------|--------------------------|-------------------|-----------|
| 9. Cassone Trailer    | Trailer Rental           | \$1,153.00        | \$0.00    |

| ITEM                           | \$ MAX REIMBURSEMENT RATE (Specify Unit) | EST. NO. OF UNITS                  | TOTAL EST. COST (\$) |
|--------------------------------|------------------------------------------|------------------------------------|----------------------|
| <b>TASK 2.2 Mob/Demob</b>      |                                          |                                    |                      |
| Trailer rental (mobile office) | \$278 /mn                                | 1                                  | \$278.00             |
| Delivery                       | \$150 /ls                                | 1                                  | \$150.00             |
| Return                         | \$150 /ls                                | 1                                  | \$150.00             |
| Road permit                    | \$85 /ls                                 | 1                                  | \$85.00              |
| Knockdown/level                | \$125 /ls                                | 1                                  | \$125.00             |
| Stairs                         | \$25 /mn                                 | 2                                  | \$50.00              |
| Security package (window/door) | \$35 /ls                                 | 9                                  | \$315.00             |
|                                |                                          | <b>SUBTOTAL:</b>                   | <b>\$1,153.00</b>    |
|                                |                                          | <b>Subcontract Total:</b>          | <b>\$1,153.00</b>    |
|                                |                                          | <b>Subcontract Management Fee:</b> | <b>\$0.00</b>        |

NOTE: A subcontract management fee of 5% will be allowed on total subcontracts over \$10,000 subject to the terms specified in the management fee protocol.

CONTRACT No.: D002676  
PROJECT NAME: All 10 Sites  
WORK ASSIGNMENT No.: D002676-12B-1  
TASK No./NAME: Summary  
COMPLETE: 41%

MONTHLY COST CONTROL REPORT  
SUMMARY OF FISCAL INFORMATION

DATE PREPARED: 15 Aug 96  
BILLING PERIOD:  
INVOICE No.:  
CAP No.:

| EXPENDITURE CATEGORY                          | A<br>COST CLAIMED THIS PERIOD | B<br>PAID TO DATE | C<br>TOTAL DISALLOWED TO DATE | D<br>TOTAL COSTS PAID TO DATE (A+B) | E<br>ESTIMATED COSTS TO COMPLETION | F<br>ESTIMATED TOTAL WORK ASSIGNMENT PRICE (A+B+E) | G<br>APPROVED BUDGET | H<br>ESTIMATED UNDER/OVER (G-F) |
|-----------------------------------------------|-------------------------------|-------------------|-------------------------------|-------------------------------------|------------------------------------|----------------------------------------------------|----------------------|---------------------------------|
| 1. Direct Salary Costs:                       | 0.00                          | 38,514.08         | (2,386.37)                    | 38,514.08                           | 48,146.81                          | 86,660.89                                          | 86,660.89            | 0.00                            |
| 2. Indirect Salary Costs (1.55):              | 0.00                          | 58,465.74         | (3,620.68)                    | 58,465.74                           | 75,858.61                          | 134,324.36                                         | 134,324.36           | 0.00                            |
| 3. Subtotal Direct Salary and Indirect Costs: | 0.00                          | 96,979.82         | (6,007.05)                    | 96,979.82                           | 124,005.42                         | 220,985.24                                         | 220,985.24           | 0.00                            |
| 4. Travel:                                    | 0.00                          | 6,644.94          | (1.38)                        | 6,644.94                            | 12,015.32                          | 18,660.26                                          | 18,660.26            | 0.00                            |
| 5. Other Non-Salary Costs:                    |                               |                   |                               |                                     |                                    |                                                    |                      |                                 |
| Material Costs:                               | 0.00                          | 3,382.48          | (26.06)                       | 3,382.48                            | 3,938.02                           | 7,320.50                                           | 7,320.49             | (0.00)                          |
| Equipment Costs:                              | 0.00                          | 1,043.60          | 0.00                          | 1,043.60                            | 3,727.40                           | 4,771.00                                           | 4,771.00             | 0.00                            |
| 6. Subtotal Direct Non-Salary Costs:          | 0.00                          | 11,071.02         | (27.44)                       | 11,071.02                           | 19,680.74                          | 30,751.76                                          | 30,751.75            | (0.00)                          |
| 7. Subs:                                      |                               |                   |                               |                                     |                                    |                                                    |                      |                                 |
| Subconsultants:                               | 0.00                          | 22,059.04         | 0.00                          | 22,059.04                           | 21,603.29                          | 43,662.32                                          | 43,662.32            | 0.00                            |
| Subcontractors:                               |                               |                   |                               |                                     |                                    |                                                    |                      |                                 |
| Zebra                                         | 0.00                          | 21,076.87         | 0.00                          | 21,076.87                           | 34,070.62                          | 55,147.49                                          | 55,147.49            | 0.00                            |
| Inchcape Testing Laboratory (Aquatec)         | 0.00                          | 1,074.70          | 0.00                          | 1,074.70                            | 1,549.50                           | 2,624.20                                           | 2,624.20             | 0.00                            |
| Commonwealth (Mobile Lab)                     | 0.00                          | 19,995.00         | 0.00                          | 19,995.00                           | 33,685.00                          | 53,680.00                                          | 53,680.00            | 0.00                            |
| Sub-Surface Informational Surveys Inc.        | 0.00                          | 5,002.50          | 0.00                          | 5,002.50                            | 1,667.50                           | 6,670.00                                           | 6,670.00             | 0.00                            |
| Cassone Leasing (Site Trailer)                | 0.00                          | 854.54            | 0.00                          | 854.54                              | 298.46                             | 1,153.00                                           | 1,153.00             | 0.00                            |
| Mr. Electric Service                          | 0.00                          | 1,016.25          | 0.00                          | 1,016.25                            | 338.75                             | 1,355.00                                           | 1,355.00             | 0.00                            |
| Spiegel Associates                            | 0.00                          | 1,500.00          | 0.00                          | 1,500.00                            | 500.00                             | 2,000.00                                           | 2,000.00             | 0.00                            |
| Marsden Reproduction                          | 0.00                          | 0.00              | 0.00                          | 0.00                                | 7,346.00                           | 7,346.00                                           | 7,346.00             | 0.00                            |
| Technical Editor M.L. Pinkham                 | 0.00                          | 0.00              | 0.00                          | 0.00                                | 0.00                               | 0.00                                               | 0.00                 | 0.00                            |
| Advanced Drilling and Testing                 | 0.00                          | 0.00              | 0.00                          | 0.00                                | 12,160.00                          | 12,160.00                                          | 12,160.00            | 0.00                            |
| 8. Total Work Assignment Costs:               | 0.00                          | 180,629.74        | (6,034.49)                    | 180,629.74                          | 256,905.28                         | 437,535.01                                         | 437,535.01           | (0.00)                          |
| 9. Fees:                                      |                               |                   |                               |                                     |                                    |                                                    |                      |                                 |
| Fixed Fee:                                    | 0.00                          | 8,987.58          | (90.60)                       | 8,987.58                            | 12,019.78                          | 21,007.35                                          | 21,007.34            | (0.01)                          |
| Management Fee:                               | 0.00                          | 0.00              | 0.00                          | 0.00                                | 6,049.37                           | 6,049.37                                           | 6,049.37             | 0.00                            |
| 10. Total Work Assignment Price:              | 0.00                          | 189,617.31        | (6,125.08)                    | 189,617.31                          | 274,974.43                         | 464,591.74                                         | 464,591.72           | (0.01)                          |

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SK No

## COMPLE

| A                           | B               |
|-----------------------------|-----------------|
| COST CLAIMED<br>THIS PERIOD | PAID TO<br>DATE |
| 0.00                        | 22,657.44       |
| 0.00                        | 34,394.16       |
| 0.00                        | 57,051.60       |
| 0.00                        | 6,627.64        |
| 0.00                        | 2,282.99        |
| 0.00                        | 1,043.60        |
| 0.00                        | 9,954.23        |
| 0.00                        | 22,059.04       |
| 0.00                        | 21,076.87       |
| 0.00                        | 1,074.70        |
| 0.00                        | 19,995.00       |
| 0.00                        | 5,002.50        |
| 0.00                        | 854.54          |
| 0.00                        | 1,016.25        |
| 0.00                        | 1,500.00        |
| 0.00                        | 139,584.73      |
| 0.00                        | 5,420.46        |
| 0.00                        | 0.00            |
| 0.00                        | 145,005.18      |

Date:



ENGINEER: Lawler, Matusky & Skelly Engineers LLP  
 CONTRACT No.: D002676  
 PROJECT NAME: All 10 Sites  
 WORK ASSIGN. No.: D002676-12B-1

SCHEDULE 2.11(h)

MONTHLY COST CONTROL REPORT  
 SUMMARY OF LABOR HOURS

DATE PREPARED: 15 Aug 96  
 BILLING PERIOD:  
 INVOICE No.:

Number of Direct Labor Hours Expended to Date/Estimated Number of Direct Labor Hours to Completion

| LABOR<br>CLASSIFICATION | IX      |       | VIII    |       | VII     |       | VI      |       | V       |       | IV      |       | III     |       | II      |       | I       |       | WP      |       | TOTAL NO.<br>OF DIRECT<br>LABOR HRS. |         |
|-------------------------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|--------------------------------------|---------|
|                         | EXP.    | /EST. | EXP.    | /EST. | EXP.    | /EST. | EXP.    | /EST. | EXP.    | /EST. | EXP.    | /EST. | EXP.    | /EST. | EXP.    | /EST. | EXP.    | /EST. | EXP.    | /EST. | EXP.                                 | /EST.   |
| SALARY RATE 1995        | \$54.38 |       | \$41.81 |       | \$36.88 |       | \$34.36 |       | \$30.65 |       | \$23.97 |       | \$21.47 |       | \$20.88 |       | \$15.83 |       | \$14.09 |       |                                      |         |
| SALARY RATE 1996        | \$57.38 |       | \$44.11 |       | \$38.70 |       | \$36.25 |       | \$32.34 |       | \$25.29 |       | \$22.65 |       | \$22.02 |       | \$16.70 |       | \$14.87 |       |                                      |         |
| Task 1                  | 0.0     | 2.0   | 0.0     | 0.0   | 0.0     | 0.0   | 0.0     | 0.0   | 0.0     | 0.0   | 0.0     | 0.0   | 0.0     | 0.0   | 0.0     | 0.0   | 0.0     | 0.0   | 0.0     | 0.0   | 0.0                                  | 254.0   |
| Task 2                  | 0.0     | 9.5   | 0.0     | 0.0   | 0.0     | 0.0   | 0.0     | 0.0   | 0.0     | 0.0   | 0.0     | 0.0   | 0.0     | 0.0   | 0.0     | 0.0   | 0.0     | 0.0   | 0.0     | 0.0   | 0.0                                  | 1,503.3 |
| Task 3                  | 0.0     | 8.5   | 0.0     | 0.0   | 0.0     | 0.0   | 0.0     | 0.0   | 0.0     | 0.0   | 0.0     | 0.0   | 0.0     | 0.0   | 0.0     | 0.0   | 0.0     | 0.0   | 0.0     | 0.0   | 0.0                                  | 855.3   |
| Task 4                  | 0.0     | 29.0  | 0.0     | 0.0   | 0.0     | 0.0   | 0.0     | 0.0   | 0.0     | 0.0   | 0.0     | 0.0   | 0.0     | 0.0   | 0.0     | 0.0   | 0.0     | 0.0   | 0.0     | 0.0   | 0.0                                  | 1,408.0 |
| TOTAL HOURS:            | 0.0     | 49.0  | 0.0     | 0.0   | 0.0     | 0.0   | 410.0   | 0.0   | 3.0     | 0.0   | 14.5    | 0.0   | 47.5    | 0.0   | 565.3   | 0.0   | 1,239.8 | 0.0   | 1,595.8 | 0.0   | 95.8                                 | 4,020.5 |

NOTES:

SCHEDULE 2.11 (a)  
**SUMMARY OF WORK ASSIGNMENT PRICE**  
 Work Assignment Number D002676-12B-1  
 FORMER WONDER KING CHEMICAL SITE #130043H

| LINE ITEM                                                         | AMOUNT (\$)                                   |
|-------------------------------------------------------------------|-----------------------------------------------|
| 1. Direct Salary Costs (Schedules 2.10 (a) and 2.11 (b))          | 14,087                                        |
| 2. Indirect Costs (Schedule (2.10 (g))                            | 21,835                                        |
| 3. Direct Non-Salary Costs (Schedules 2.10 (d,e,f) and 2.11 (c,d) | 3,318                                         |
| <b>Subcontract Costs:</b>                                         |                                               |
| <b>Name of Subcontractor</b>                                      | <b>Services to be Performed</b>               |
| 1. YEC, Inc                                                       | Survey                                        |
| 4. Total Cost-Plus-Fixed Fee Subcontracts                         | 7,362                                         |
| <b>Unit Price Subcontracts (Schedule 2.10 (f) and 2.11 (f))</b>   |                                               |
| <b>Name of Subcontractor</b>                                      | <b>Services to be Performed</b>               |
| 1. Zebra Environmental                                            | Drilling, soil sampling and well installation |
| 2. Commonwealth Analytical                                        | Mobile Laboratory                             |
| 3. Inchcape Testing Lab (Aquatec)                                 | Laboratory Analysis                           |
| 4. Marsden Reproduction                                           | Reproduction                                  |
| 5. Mr. Electric Service (MBE)                                     | Electrical work                               |
| 6. Spiegel Associates                                             | Lease space for trailer                       |
| 7. Technical Editor (M.L. Pinkhsm (WBE))                          | Technical Editor                              |
| 8. Sub-Surface Informational Surveys, Inc.                        | GPR Services                                  |
| 9. Cassone Trailer                                                | Trailer Rental                                |
| 5. Total Unit Price Subcontracts                                  | 17,640                                        |
| 6. Subcontract Management Fee (Schedule 2.11(f))                  | 685                                           |
| 7. Total Subcontract Costs (lines 4 + 5)                          | 25,002                                        |
| 8. Fixed Fee (Schedule 2.10 (h))                                  | 3,211                                         |
| 9. Total Work Assignment Price (lines 1 + 2 + 3 + 6 + 7)          | 68,137                                        |

ENGINEER/CONTRACT No.:

Lawler, Matusky &amp; Skelly Engineers LLP

PROJECT NAME:

Former Wonder King Chemical Site #130043H

WORK ASSIGNMENT No.:

02676-12B-1

DATE PREPARED: 15 Aug 96

**SCHEDULE 2.11(b-1)****DIRECT ADMINISTRATIVE LABOR HOURS BUDGETED**

| NSPE LABOR<br>CLASSIFICATION | IX          | VIII        | VII         | VI          | V           | IV          | III         | II          | I           | WP          | TOTAL No.<br>OF DIRECT<br>ADMINISTRATIVE<br>LABOR HOURS<br>BUDGETED |
|------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------------------------------------------------------|
|                              |             |             |             |             |             |             |             |             |             |             |                                                                     |
| Task 1                       | 0.00        | 0.00        | 2.25        | 0.00        | 0.00        | 0.00        | 0.00        | 5.00        | 1.00        | 0.00        | 8.25                                                                |
| Task 2                       | 1.00        | 0.00        | 5.00        | 0.00        | 0.50        | 0.00        | 1.50        | 2.00        | 0.25        | 1.25        | 11.50                                                               |
| Task 3                       | 0.50        | 0.00        | 2.25        | 0.00        | 0.00        | 0.00        | 0.00        | 1.50        | 0.50        | 0.00        | 4.75                                                                |
| <b>TOTAL HOURS:</b>          | <b>1.50</b> | <b>0.00</b> | <b>9.50</b> | <b>0.00</b> | <b>0.50</b> | <b>0.00</b> | <b>1.50</b> | <b>8.50</b> | <b>1.75</b> | <b>1.25</b> | <b>24.50</b>                                                        |

Contract/Project administrative hours would include but not necessarily be limited to the following activities:

1. Work Plan Development
  - Conflict of Interest Check
  - Develop of budget schedules and supporting documentation
2. Review work assignment (WA) progress
  - Conduct progress reviews
  - Prepare monthly project report
  - Update WA progress schedule
  - Prepare monthly M/WBE Utilization Report
  - Review work assignment costs
  - Prepare monthly cost control report
  - Cost control reviews
3. Review work assignment costs
  - Prepare monthly cost control report
  - Cost control reviews

4. CAP Preparation
  - Oversee and prepare monthly CAP
  - Respond to payment issues/disallowances
  - NSPE list updates
  - Equipment Inventory
5. Manage subcontracts
6. Implement and manage program management and staffing plans
7. Conduct Health and Safety Reviews
8. Word processing and graphic artists
9. Report editing

Contract/Project administration hours would NOT include activities such as:

1. QA/QC reviews
2. Technical oversight by management
3. Develop subcontracts
4. Work plan development
5. Review of deliverables

## SCHEDULE 2.11(e)

**COST-PLUS FIXED FEE SUBCONTRACTS**

Work Assignment Number D002676-12B-1  
 FORMER WONDER KING CHEMICAL SITE #130043H

| NAME OF SUBCONTRACTOR | SERVICES TO BE PERFORMED | SUBCONTRACT PRICE |
|-----------------------|--------------------------|-------------------|
| 1. YEC, Inc           | Survey                   | \$7,361.96        |

**A. Direct Salary Costs**

| PROFESSIONAL RESPONSIBILITY LEVEL      | LABOR CLASS. | MAXIMUM REIMB. RATE (\$/hr) | ESTIMATED NUMBER OF HOURS | TOTAL ESTIMATED DIRECT SALARY COST (\$) |
|----------------------------------------|--------------|-----------------------------|---------------------------|-----------------------------------------|
| Principal                              | VIII         | 42.39                       | 3                         | \$127.17                                |
| Sr Geologist/Scientist/Eng.            | V            | 33.35                       | 14                        | \$466.90                                |
| Licensed Surveyor/Staff Geo./Sci./Eng. | IV           | 27.88                       | 10                        | \$278.80                                |
| Staff Geo./Sci./Eng./Sr Draftsperson   | III          | 20.91                       | 10                        | \$209.10                                |
| Sr. Tech./Staff Eng./Sci./Geo.         | II           | 16.78                       | 98                        | \$1,644.44                              |
| <b>TOTAL DIRECT SALARY COSTS:</b>      |              |                             |                           | <b>\$2,726.41</b>                       |

**FOOTNOTES:**

- 1 - These rates will be held firm until October 31, 1995.
- 2 - Reimbursement will be limited to the lesser of either the individuals actual hourly rate or the maximum rate for each labor category.
- 3 - Reimbursement will be limited to the maximum reimbursement rate for the professional responsibility level of the actual work performed.
- 4 - Only those labor classifications indicated with an asterisk will be entitled to overtime.
- 5 - Reimbursement for technical time of principals, owners and officers will be limited to the maximum maximum reimbursement rate of that labor category, the actual hourly labor rate paid, or the Federal GS-18 rate, whichever is lower.
- 6 - The maximum rates in each labor category can be modified only by mutual written agreement and approved by both the Department and the Comptroller.
- 7 - This footnote applies to Schedules for years 4 thru 7 only. If the U.S. cost-of-living index increases at a rate greater than 6% compounded annually, the maximum salary rates will be subject to renegotiation for future years of the contract.

## SCHEDULE 2.11(f)

**UNIT PRICE SUBCONTRACTS**  
**Work Assignment Number D002676-12B-1**  
**FORMER WONDER KING CHEMICAL SITE #130043H**

| NAME OF SUBCONTRACTOR  | SERVICES TO BE PERFORMED                      | SUBCONTRACT PRICE | MGMT. FEE |
|------------------------|-----------------------------------------------|-------------------|-----------|
| 1. Zebra Environmental | Drilling, soil sampling and well installation | \$7,025.62        | \$351.28  |

| ITEM                                                                         | \$ MAX REIMBURSEMENT RATE (Specify Unit) | EST. NO. OF UNITS | TOTAL EST. COST (\$) |
|------------------------------------------------------------------------------|------------------------------------------|-------------------|----------------------|
| <b>TASK 2.6 GW Probes</b>                                                    |                                          |                   |                      |
| Daily rate including 2 person crew and probe unit (assumes 8 hours on-site): | \$990 /day                               | 5.33901           | \$5,285.62           |
| Overtime rate (including 2 person crew and probe unit):                      | \$150 /hr                                | 6                 | \$900.00             |
| Sampling charge for soils:                                                   | \$15 /sample                             | 11                | \$165.00             |
| Sampling charge for groundwater:                                             | \$15 /sample                             | 45                | \$675.00             |
| Mob/demob (ls):                                                              | No charge                                | -                 | \$0.00               |
| Per diem (per manday)                                                        | No charge                                | -                 | \$0.00               |
| Soil conductivity logging*:                                                  | No charge                                | 2                 | \$0.00               |
| <b>Subcontract Total:</b>                                                    |                                          |                   | <b>\$7,025.62</b>    |
| <b>Subcontract Management Fee:</b>                                           |                                          |                   | <b>\$351.28</b>      |

NOTE: A subcontract management fee of 5% will be allowed on total subcontracts over \$10,000 subject to the terms specified in the management fee protocol.

## SCHEDULE 2.11(f)

**UNIT PRICE SUBCONTRACTS**  
**Work Assignment Number D002676-12B-1**  
**FORMER WONDER KING CHEMICAL SITE #130043H**

|                                   |                                 |                          |                  |
|-----------------------------------|---------------------------------|--------------------------|------------------|
| <b>NAME OF SUBCONTRACTOR</b>      | <b>SERVICES TO BE PERFORMED</b> | <b>SUBCONTRACT PRICE</b> | <b>MGMT. FEE</b> |
| 3. Inchcape Testing Lab (Aquatec) | Laboratory Analysis             | \$348.75                 | \$0.00           |

| ITEM                               | METHOD    | \$ MAX REIMBURSEMENT<br>RATE (Specify Unit) | EST. NO.<br>OF UNITS | TOTAL<br>EST. COST (\$) |
|------------------------------------|-----------|---------------------------------------------|----------------------|-------------------------|
| <b>TASK 2.4 SWL Survey</b>         |           |                                             |                      |                         |
| VOCs                               | 8010/8020 | \$90 /ea                                    | 3.875                | \$348.75                |
| <b>SUBTOTAL:</b>                   |           |                                             |                      | <b>\$348.75</b>         |
| <b>Subcontract Subtotal:</b>       |           |                                             |                      | <b>\$348.75</b>         |
| <b>Subcontract Management Fee:</b> |           |                                             |                      | <b>\$0.00</b>           |

NOTE: A subcontract management fee of 5% will be allowed on total subcontracts over \$10,000 subject to the terms specified in the management fee protocol.

\* - The minimum daily rate will apply if LMS is unable to provide a specified number of samples (10 per day).

## SCHEDULE 2.11(f)

**UNIT PRICE SUBCONTRACTS**  
**Work Assignment Number D002676-12B-1**  
**FORMER WONDER KING CHEMICAL SITE #130043H**

|                               |                                 |                          |                  |
|-------------------------------|---------------------------------|--------------------------|------------------|
| <b>NAME OF SUBCONTRACTOR</b>  | <b>SERVICES TO BE PERFORMED</b> | <b>SUBCONTRACT PRICE</b> | <b>MGMT. FEE</b> |
| 5. Mr. Electric Service (MBE) | Electrical work                 | \$338.75                 | \$0.00           |

| ITEM                               | \$ MAX REIMBURSEMENT<br>RATE (Specify Unit) | EST. NO.<br>OF UNITS | TOTAL<br>EST. COST (\$) |
|------------------------------------|---------------------------------------------|----------------------|-------------------------|
| <b>TASK 2.2 Mob/Demob</b>          |                                             |                      |                         |
| Power hook-up                      | \$1,355 /ls                                 | 0.25                 | \$338.75                |
| <b>Subcontract Total:</b>          |                                             |                      | \$338.75                |
| <b>Subcontract Management Fee:</b> |                                             |                      | \$0.00                  |

NOTE: A subcontract management fee of 5% will be allowed on total subcontracts over \$10,000 subject to the terms specified in the management fee protocol.

## SCHEDULE 2.11(f)

**UNIT PRICE SUBCONTRACTS**  
**Work Assignment Number D002676-12B-1**  
**FORMER WONDER KING CHEMICAL SITE #130043H**

| NAME OF SUBCONTRACTOR                    | SERVICES TO BE PERFORMED | SUBCONTRACT PRICE | MGMT. FEE |
|------------------------------------------|--------------------------|-------------------|-----------|
| 7. Technical Editor (M.L. Pinkhsm (WBE)) | Technical Editor         | \$0.00            | \$0.00    |

| ITEM                         | \$ MAX REIMBURSEMENT<br>RATE (Specify Unit) | EST. NO.<br>OF UNITS | TOTAL<br>EST. COST (\$) |
|------------------------------|---------------------------------------------|----------------------|-------------------------|
| <b>TASK 3.1 Draft Report</b> |                                             |                      |                         |
| Editorial services           | \$35 /hr                                    | 0                    | \$0.00                  |
| Subcontract Total:           |                                             |                      | \$0.00                  |
| Subcontract Management Fee:  |                                             |                      | \$0.00                  |

NOTE: A subcontract management fee of 5% will be allowed on total subcontracts over \$10,000 subject to the terms specified in the management fee protocol.

## SCHEDULE 2.11(f)

**UNIT PRICE SUBCONTRACTS**  
**Work Assignment Number D002676-12B-1**  
**FORMER WONDER KING CHEMICAL SITE #130043H**

|                              |                                 |                          |                  |
|------------------------------|---------------------------------|--------------------------|------------------|
| <b>NAME OF SUBCONTRACTOR</b> | <b>SERVICES TO BE PERFORMED</b> | <b>SUBCONTRACT PRICE</b> | <b>MGMT. FEE</b> |
| 9. Cassone Trailer           | Trailer Rental                  | \$288.25                 | \$0.00           |

| ITEM                               | \$ MAX REIMBURSEMENT<br>RATE (Specify Unit) | EST. NO.<br>OF UNITS | TOTAL<br>EST. COST (\$) |
|------------------------------------|---------------------------------------------|----------------------|-------------------------|
| <b>TASK 2.2 Mob/Demob</b>          |                                             |                      |                         |
| Trailer rental (mobile office)     | \$278 /mn                                   | 0.25                 | \$69.50                 |
| Delivery                           | \$150 /ls                                   | 0.25                 | \$37.50                 |
| Return                             | \$150 /ls                                   | 0.25                 | \$37.50                 |
| Road permit                        | \$85 /ls                                    | 0.25                 | \$21.25                 |
| Knockdown/level                    | \$125 /ls                                   | 0.25                 | \$31.25                 |
| Stairs                             | \$25 /mn                                    | 0.50                 | \$12.50                 |
| Security package (window/door)     | \$35 /ls                                    | 2.25                 | \$78.75                 |
| <b>SUBTOTAL:</b>                   |                                             |                      | <b>\$288.25</b>         |
| <b>Subcontract Total:</b>          |                                             |                      | <b>\$288.25</b>         |
| <b>Subcontract Management Fee:</b> |                                             |                      | <b>\$0.00</b>           |

NOTE: A subcontract management fee of 5% will be allowed on total subcontracts over \$10,000 subject to the terms specified in the management fee protocol.

# MONTHLY COST CONTROL REPORT

## SUMMARY OF FISCAL INFORMATION

| EXPENDITURE CATEGORY                          | A<br>COST CLAIMED THIS PERIOD | B<br>PAID TO DATE | C<br>TOTAL DISALLOWED TO DATE | D<br>TOTAL COSTS PAID TO DATE (A+B) | E<br>ESTIMATED COSTS TO COMPLETION PRICE (A+B+E) | F<br>ESTIMATED TOTAL WORK ASSIGNMENT PRICE (A+B+E) | G<br>APPROVED BUDGET | H<br>ESTIMATED UNDER/OVER (G-F) |
|-----------------------------------------------|-------------------------------|-------------------|-------------------------------|-------------------------------------|--------------------------------------------------|----------------------------------------------------|----------------------|---------------------------------|
| 1. Direct Salary Costs:                       | 0.00                          | 0.00              | 0.00                          | 0.00                                | 1,472.86                                         | 1,472.86                                           | 1,472.86             | 0.00                            |
| 2. Indirect Salary Costs (1.55):              | 0.00                          | 0.00              | 0.00                          | 0.00                                | 2,282.92                                         | 2,282.92                                           | 2,282.92             | 0.00                            |
| 3. Subtotal Direct Salary and Indirect Costs: | 0.00                          | 0.00              | 0.00                          | 0.00                                | 3,755.78                                         | 3,755.78                                           | 3,755.78             | 0.00                            |
| 4. Travel:                                    | 0.00                          | 0.00              | 0.00                          | 0.00                                | 0.00                                             | 0.00                                               | 0.00                 | 0.00                            |
| 5. Other Non-Salary Costs:                    | 0.00                          | 0.00              | 0.00                          | 0.00                                | 96.38                                            | 96.38                                              | 96.38                | 0.00                            |
| Material Costs:                               | 0.00                          | 0.00              | 0.00                          | 0.00                                | 0.00                                             | 0.00                                               | 0.00                 | 0.00                            |
| Equipment Costs:                              | 0.00                          | 0.00              | 0.00                          | 0.00                                | 0.00                                             | 0.00                                               | 0.00                 | 0.00                            |
| 6. Subtotal Direct Non-Salary Costs:          | 0.00                          | 0.00              | 0.00                          | 0.00                                | 96.38                                            | 96.38                                              | 96.38                | 0.00                            |
| 7. Subs:                                      |                               |                   |                               |                                     |                                                  |                                                    |                      |                                 |
| Subconsultants:                               |                               |                   |                               |                                     |                                                  |                                                    |                      |                                 |
| Subcontractors:                               |                               |                   |                               |                                     |                                                  |                                                    |                      |                                 |
| 8. Total Work Assignment Costs:               | 0.00                          | 0.00              | 0.00                          | 0.00                                | 3,852.15                                         | 3,852.15                                           | 3,852.15             | 0.00                            |
| 9. Fees:                                      |                               |                   |                               |                                     |                                                  |                                                    |                      |                                 |
| Fixed Fee:                                    | 0.00                          | 0.00              | 0.00                          | 0.00                                | 193.88                                           | 193.88                                             | 193.88               | 0.00                            |
| Management Fee:                               | 0.00                          | 0.00              | 0.00                          | 0.00                                | 0.00                                             | 0.00                                               | 0.00                 | 0.00                            |
| 10. Total Work Assignment Price:              | 0.00                          | 0.00              | 0.00                          | 0.00                                | 4,046.03                                         | 4,046.03                                           | 4,046.03             | 0.00                            |

Project Manager (Engineer):

Date:

| EXPENDITURE CATEGORY                          | A                        | B            | C                        | D                              | E                                     | F                                             | G               | H                          |
|-----------------------------------------------|--------------------------|--------------|--------------------------|--------------------------------|---------------------------------------|-----------------------------------------------|-----------------|----------------------------|
|                                               | COST CLAIMED THIS PERIOD | PAID TO DATE | TOTAL DISALLOWED TO DATE | TOTAL COSTS PAID TO DATE (A+B) | ESTIMATED COSTS TO COMPLETION (A+B+E) | ESTIMATED TOTAL WORK ASSIGNMENT PRICE (A+B+E) | APPROVED BUDGET | ESTIMATED UNDER/OVER (G-F) |
| 1. Direct Salary Costs:                       | 0.00                     | 0.00         | 0.00                     | 0.00                           | 5,130.81                              | 5,130.81                                      | 5,130.81        | 0.00                       |
| 2. Indirect Salary Costs (1.55):              | 0.00                     | 0.00         | 0.00                     | 0.00                           | 7,952.75                              | 7,952.75                                      | 7,952.75        | 0.00                       |
| 3. Subtotal Direct Salary and Indirect Costs: | 0.00                     | 0.00         | 0.00                     | 0.00                           | 13,083.56                             | 13,083.56                                     | 13,083.56       | 0.00                       |
| 4. Travel:                                    | 0.00                     | 0.00         | 0.00                     | 0.00                           | 51.00                                 | 51.00                                         | 51.00           | 0.00                       |
| 5. Other Non-Salary Costs:                    | 0.00                     | 0.00         | 0.00                     | 0.00                           | 272.00                                | 272.00                                        | 272.00          | 0.00                       |
| Material Costs:                               | 0.00                     | 0.00         | 0.00                     | 0.00                           | 0.00                                  | 0.00                                          | 0.00            | 0.00                       |
| Equipment Costs:                              | 0.00                     | 0.00         | 0.00                     | 0.00                           | 0.00                                  | 0.00                                          | 0.00            | 0.00                       |
| 6. Subtotal Direct Non-Salary Costs:          | 0.00                     | 0.00         | 0.00                     | 0.00                           | 272.00                                | 272.00                                        | 272.00          | 0.00                       |
| Salary Costs:                                 | 0.00                     | 0.00         | 0.00                     | 0.00                           | 323.00                                | 323.00                                        | 323.00          | 0.00                       |
| 7. Subs:                                      |                          |              |                          |                                |                                       |                                               |                 |                            |
| Subconsultants:                               |                          |              |                          |                                |                                       |                                               |                 |                            |
| Subcontractors:                               |                          |              |                          |                                |                                       |                                               |                 |                            |
| Marsden Reproduction                          | 0.00                     | 0.00         | 0.00                     | 0.00                           | 806.00                                | 806.00                                        | 806.00          | 0.00                       |
| Technical Editor M.L. Pinkham                 | 0.00                     | 0.00         | 0.00                     | 0.00                           | 0.00                                  | 0.00                                          | 0.00            | 0.00                       |
| 8. Total Work Assignment Costs:               | 0.00                     | 0.00         | 0.00                     | 0.00                           | 14,212.56                             | 14,212.56                                     | 14,212.56       | 0.00                       |
| 9. Fees:                                      |                          |              |                          |                                |                                       |                                               |                 |                            |
| Fixed Fee:                                    | 0.00                     | 0.00         | 0.00                     | 0.00                           | 1,132.36                              | 1,132.36                                      | 1,132.36        | 0.00                       |
| Management Fee:                               | 0.00                     | 0.00         | 0.00                     | 0.00                           | 0.00                                  | 0.00                                          | 0.00            | 0.00                       |
| 10. Total Work Assignment Price:              | 0.00                     | 0.00         | 0.00                     | 0.00                           | 15,344.92                             | 15,344.92                                     | 15,344.92       | 0.00                       |

ENGINEER: Lawler, Matusky & Skelly Engineers  
 CONTRACT No.: D002676

PROJECT NAME: Former Wonder King Chemical Site #130043H  
 WORK ASSIGN. No.: D002676-12B-1

SCHEDULE 2.11(h)

MONTHLY COST CONTROL REPORT  
 SUMMARY OF LABOR HOURS

DATE PREPARED: 15 Aug 96  
 BILLING PERIOD:  
 INVOICE No.:

Number of Direct Labor Hours Expended to Date/Estimated Number of Direct Labor Hours to Completion

| LABOR<br>CLASSIFICATION | IX   |       | VIII |       | VII  |       | VI   |       | V    |       | IV   |       | III  |       | II   |       | I    |       | WP   |       | TOTAL NO.<br>OF DIRECT<br>LABOR HRS. |       |
|-------------------------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|--------------------------------------|-------|
|                         | EXP. | /EST. | EXP. | /EST. | EXP. | /EST. | EXP. | /EST. | EXP. | /EST. | EXP. | /EST. | EXP. | /EST. | EXP. | /EST. | EXP. | /EST. | EXP. | /EST. |                                      |       |
| Task 1                  | 0.0  | 0.5   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 1.0   | 0.0  | 20.0  | 0.0  | 26.0  | 0.0  | 9.5   | 0.0  | 3.0   | 0.0                                  | 67.0  |
| Task 2                  | 0.0  | 3.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.5   | 0.0  | 0.0   | 0.0  | 1.5   | 0.0  | 121.8 | 0.0  | 186.5 | 0.0  | 7.8   | 0.0                                  | 366.5 |
| Task 3                  | 0.0  | 2.5   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.8   | 0.0  | 113.5 | 0.0  | 95.3  | 0.0  | 0.0   | 0.0                                  | 234.8 |
| TOTAL HOURS:            | 0.0  | 6.0   | 0.0  | 0.0   | 0.0  | 0.0   | 75.3 | 0.0   | 0.0  | 0.0   | 0.5  | 1.0   | 0.0  | 22.3  | 0.0  | 261.3 | 0.0  | 291.3 | 0.0  | 10.8  | 0.0                                  | 668.3 |
|                         |      |       |      |       |      |       |      |       |      |       |      |       |      |       |      |       |      |       |      |       |                                      | 668.3 |

NOTES:

## LABOR HOURS AND COSTS

## TASK SUMMARY

FORMER WONDER KING CHEMICAL SITE #130043H

| NSPE/ASCE<br>LABOR CLASS         | 1995 HOURLY RATE (\$) | 1996 HOURLY RATE (\$) | TASK 1: 1995 RATES | TASK 2: 1995 RATES | TASK 3: 1996 RATES | TASK 4: 1995 RATES | TOTAL<br>HOURS | SUBTOTAL (\$) |
|----------------------------------|-----------------------|-----------------------|--------------------|--------------------|--------------------|--------------------|----------------|---------------|
| IX                               | 54.38                 | 57.38                 | 0.50               | 3.00               | 2.50               | 0.00               | 6.00           | 333.780       |
| VIII                             | 41.81                 | 44.11                 | 0.00               | 0.00               | 0.00               | 0.00               | 0.00           | 0.000         |
| VII                              | 36.68                 | 38.70                 | 7.00               | 45.50              | 22.75              | 0.00               | 75.25          | 2,808.125     |
| VI                               | 34.36                 | 36.25                 | 0.00               | 0.00               | 0.00               | 0.00               | 0.00           | 0.000         |
| V                                | 30.65                 | 32.34                 | 0.00               | 0.50               | 0.00               | 0.00               | 0.50           | 15.325        |
| IV                               | 23.97                 | 25.29                 | 1.00               | 0.00               | 0.00               | 0.00               | 1.00           | 23.970        |
| III                              | 21.47                 | 22.65                 | 20.00              | 1.50               | 0.75               | 0.00               | 22.25          | 478.593       |
| II                               | 20.88                 | 22.02                 | 26.00              | 121.75             | 113.50             | 0.00               | 261.25         | 5,584.290     |
| I                                | 15.83                 | 16.70                 | 9.50               | 186.50             | 95.25              | 0.00               | 291.25         | 4,693.355     |
| WP                               | 14.09                 | 14.87                 | 3.00               | 7.75               | 0.00               | 0.00               | 10.75          | 151.468       |
| <b>TOTAL UNITS:</b>              |                       |                       | 67.00              | 366.50             | 234.75             | 0.00               | 668.25         |               |
| <b>DIRECT SALARY COSTS (\$):</b> |                       |                       | 1,472.855          | 7,483.243          | 5,130.808          | 0.000              |                | 14,086.905    |
| <b>INDIRECT SALARY</b>           |                       |                       |                    |                    |                    |                    |                |               |
| OSTS (\$): 1.5500                |                       |                       | 2,282.924          | 11,599.027         | 7,952.750          | 0.000              |                | 21,834.701    |
| <b>SUBTOTAL (\$):</b>            |                       |                       | 3,755.779          | 19,082.270         | 13,083.558         | 0.000              |                | 35,921.606    |
| FIXED FEE (\$): 0.10             |                       |                       | 193.880            | 1,864.737          | 1,132.357          | 0.000              |                | 3,210.975     |
| <b>MATERIAL COSTS (\$):</b>      |                       |                       | 96.375             | 574.230            | 272.000            | 0.000              |                | 942.605       |
| <b>TRAVEL COSTS (\$):</b>        |                       |                       | 0.000              | 2,023.078          | 51.000             | 0.000              |                | 2,074.078     |
| <b>FIELD EQUIPMENT (\$):</b>     |                       |                       | 0.000              | 301.000            | 0.000              | 0.000              |                | 301.000       |
| <b>SUBS (\$):</b>                |                       |                       | 0.000              | 24,195.828         | 808.000            | 0.000              |                | 25,001.828    |
| <b>MGMT FEE (\$): 0.05</b>       |                       |                       | 0.000              | 684.531            | 0.000              | 0.000              |                | 684.531       |
| <b>TOTAL (\$):</b>               |                       |                       | 4,046.034          | 48,745.674         | 15,344.915         | 0.000              |                | 68,136.623    |

SCHEDULE 2.11 (a)  
**SUMMARY OF WORK ASSIGNMENT PRICE**  
 Work Assignment Number D002676-12B-1  
 BLOCK 328 #130043I

| LINE ITEM                                                         | AMOUNT (\$)                                   |
|-------------------------------------------------------------------|-----------------------------------------------|
| 1. Direct Salary Costs (Schedules 2.10 (a) and 2.11 (b))          | 13,494                                        |
| 2. Indirect Costs (Schedule (2.10 (g))                            | 20,915                                        |
| 3. Direct Non-Salary Costs (Schedules 2.10 (d,e,f) and 2.11 (c,d) | 4,934                                         |
| <b>Subcontract Costs:</b>                                         |                                               |
| <b>Name of Subcontractor</b>                                      | <b>Services to be Performed</b>               |
| 1. YEC, Inc                                                       | Survey                                        |
| 4. Total Cost-Plus-Fixed Fee Subcontracts                         | 7,362                                         |
| <b>Unit Price Subcontracts (Schedule 2.10 (f) and 2.11 (f))</b>   |                                               |
| <b>Name of Subcontractor</b>                                      | <b>Services to be Performed</b>               |
| 1. Zebra Environmental                                            | Drilling, soil sampling and well installation |
| 2. Commonwealth Analytical                                        | Mobile Laboratory                             |
| 3. Inchcape Testing Lab (Aquatec)                                 | Laboratory Analysis                           |
| 4. Marsden Reproduction                                           | Reproduction                                  |
| 5. Mr. Electric Service (MBE)                                     | Electrical work                               |
| 6. Spiegel Associates                                             | Lease space for trailer                       |
| 7. Technical Editor (M.L. Pinkhsm (WBE))                          | Technical Editor                              |
| 8. Sub-Surface Informational Surveys, Inc.                        | GPR Services                                  |
| 8. Cassone Trailer                                                | Trailer Rental                                |
| 5. Total Unit Price Subcontracts                                  | 17,640                                        |
| 6. Subcontract Management Fee (Schedule 2.11(f))                  | 685                                           |
| 7. Total Subcontract Costs (lines 4 + 5)                          | 25,002                                        |
| 8. Fixed Fee (Schedule 2.10 (h))                                  | 3,211                                         |
| 9. Total Work Assignment Price (lines 1 + 2 + 3 + 6 + 7)          | 68,240                                        |

ENGINEER/CONTRACT No.:

Lawler, Matusky &amp; Skelly Engineers LLP

PROJECT NAME:

Block 328 Site #130043I

WORK ASSIGNMENT No.:

02676-12B-1

DATE PREPARED: 15 Aug 96

**SCHEDULE 2.11(b-1)**  
**DIRECT ADMINISTRATIVE LABOR HOURS BUDGETED**

| NSPE LABOR CLASSIFICATION | IX          | VIII        | VII         | VI          | V           | IV          | III         | II           | I           | WP          | TOTAL No. OF DIRECT ADMINISTRATIVE LABOR HOURS BUDGETED |
|---------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|---------------------------------------------------------|
| Task 1                    | 0.00        | 0.00        | 2.25        | 0.00        | 0.00        | 0.00        | 0.00        | 3.50         | 0.00        | 0.00        | 5.75                                                    |
| Task 2                    | 0.50        | 0.00        | 0.00        | 0.00        | 0.00        | 0.00        | 0.00        | 8.00         | 1.00        | 0.00        | 9.50                                                    |
| Task 3                    | 0.00        | 0.00        | 2.25        | 0.00        | 0.00        | 0.00        | 1.00        | 1.75         | 0.50        | 1.50        | 7.00                                                    |
| <b>TOTAL HOURS:</b>       | <b>0.50</b> | <b>0.00</b> | <b>4.50</b> | <b>0.00</b> | <b>0.00</b> | <b>0.00</b> | <b>1.00</b> | <b>13.25</b> | <b>1.50</b> | <b>1.50</b> | <b>22.25</b>                                            |

Contract/Project administrative hours would include but not necessarily be limited to the following activities:

1. Work Plan Development
  - Conflict of Interest Check
  - Develop of budget schedules and supporting documentation
2. Review work assignment (WA) progress
  - Conduct progress reviews
  - Prepare monthly project report
  - Update WA progress schedule
3. Review work assignment costs
  - Prepare monthly M/WBE Utilization Report
  - Review work assignment costs
  - Prepare monthly cost control report
  - Cost control reviews

4. CAP Preparation
  - Oversee and prepare monthly CAP
  - Respond to payment issues/disallowances
  - NSPE list updates

5. Manage subcontractors
6. Implement and manage program management and staffing plans
7. Conduct Health and Safety Reviews
8. Word processing and graphic artists
9. Report editing

Contract/Project administration hours would NOT include activities such as:

1. QA/QC-reviews
2. Technical oversight by management
3. Develop subcontracts
4. Work plan development
5. Review of deliverables

## SCHEDULE 2.11(e)

**COST-PLUS FIXED FEE SUBCONTRACTS**

Work Assignment Number D002676-12B-1

BLOCK 328 #130043I

|                              |                                 |                          |
|------------------------------|---------------------------------|--------------------------|
| <b>NAME OF SUBCONTRACTOR</b> | <b>SERVICES TO BE PERFORMED</b> | <b>SUBCONTRACT PRICE</b> |
| 1. YEC, Inc                  | Survey                          | \$7,361.96               |

**A. Direct Salary Costs**

| PROFESSIONAL<br>RESPONSIBILITY<br>LEVEL   | LABOR<br>CLASS. | MAXIMUM<br>REIMB.<br>RATE (\$/hr) | ESTIMATED<br>NUMBER OF<br>HOURS | TOTAL<br>ESTIMATED<br>DIRECT SALARY<br>COST (\$) |
|-------------------------------------------|-----------------|-----------------------------------|---------------------------------|--------------------------------------------------|
| Principal                                 | VIII            | 42.39                             | 3                               | \$127.17                                         |
| Sr Geologist/Scientist/Eng.               | V               | 33.35                             | 14                              | \$466.90                                         |
| Licensed Surveyor/Staff<br>Geo./Sci./Eng. | IV              | 27.88                             | 10                              | \$278.80                                         |
| Staff Geo./Sci./<br>Eng./Sr Draftsperson  | III             | 20.91                             | 10                              | \$209.10                                         |
| Sr. Tech./Staff Eng./Sci./Geo.            | II              | 16.78                             | 98                              | \$1,644.44                                       |
| <b>TOTAL DIRECT SALARY COSTS:</b>         |                 |                                   |                                 | <b>\$2,726.41</b>                                |

**FOOTNOTES:**

- 1 - These rates will be held firm until October 31, 1995.
- 2 - Reimbursement will be limited to the lesser of either the individuals actual hourly rate or the maximum rate for each labor category.
- 3 - Reimbursement will be limited to the maximum reimbursement rate for the professional responsibility level of the actual work performed.
- 4 - Only those labor classifications indicated with an asterisk will be entitled to overtime.
- 5 - Reimbursement for technical time of principals, owners and officers will be limited to the maximum maximum reimbursement rate of that labor category, the actual hourly labor rate paid, or the Federal GS-18 rate, whichever is lower.
- 6 - The maximum rates in each labor category can be modified only by mutual written agreement and approved by both the Department and the Comptroller.
- 7 - This footnote applies to Schedules for years 4 thru 7 only. If the U.S. cost-of-living index increases at a rate greater than 6% compounded annually, the maximum salary rates will be subject to renegotiation for future years of the contract.

## SCHEDULE 2.11(f)

**UNIT PRICE SUBCONTRACTS**  
**Work Assignment Number D002676-12B-1**  
**BLOCK 328 #130043I**

| NAME OF SUBCONTRACTOR  | SERVICES TO BE PERFORMED                      | SUBCONTRACT PRICE | MGMT. FEE |
|------------------------|-----------------------------------------------|-------------------|-----------|
| 1. Zebra Environmental | Drilling, soil sampling and well installation | \$7,025.62        | \$351.28  |

| ITEM                                                                         | \$ MAX REIMBURSEMENT RATE (Specify Unit) | EST. NO. OF UNITS | TOTAL EST. COST (\$) |
|------------------------------------------------------------------------------|------------------------------------------|-------------------|----------------------|
| <b>TASK 2.6 GW Probes</b>                                                    |                                          |                   |                      |
| Daily rate including 2 person crew and probe unit (assumes 8 hours on-site): | \$990 /day                               | 5.33901           | \$5,285.62           |
| Overtime rate (including 2 person crew and probe unit):                      | \$150 /hr                                | 6                 | \$900.00             |
| Sampling charge for soils:                                                   | \$15 /sample                             | 11                | \$165.00             |
| Sampling charge for groundwater:                                             | \$15 /sample                             | 45                | \$675.00             |
| Mob/demob (1s):                                                              | No charge                                | -                 | \$0.00               |
| Per diem (per manday)                                                        | No charge                                | -                 | \$0.00               |
| Soil conductivity logging*:                                                  | No charge                                | 2                 | \$0.00               |
| <b>Subcontract Total:</b>                                                    |                                          |                   | <b>\$7,025.62</b>    |
| <b>Subcontract Management Fee:</b>                                           |                                          |                   | <b>\$351.28</b>      |

NOTE: A subcontract management fee of 5% will be allowed on total subcontracts over \$10,000 subject to the terms specified in the management fee protocol.

## SCHEDULE 2.11(f)

**UNIT PRICE SUBCONTRACTS**  
**Work Assignment Number D002676-12B-1**  
**BLOCK 328 #130043I**

|                                   |                                 |                          |                  |
|-----------------------------------|---------------------------------|--------------------------|------------------|
| <b>NAME OF SUBCONTRACTOR</b>      | <b>SERVICES TO BE PERFORMED</b> | <b>SUBCONTRACT PRICE</b> | <b>MGMT. FEE</b> |
| 3. Inchcape Testing Lab (Aquatec) | Laboratory Analysis             | \$348.75                 | \$0.00           |

| ITEM                        | METHOD    | \$ MAX REIMBURSEMENT<br>RATE (Specify Unit) | EST. NO.<br>OF UNITS | TOTAL<br>EST. COST (\$) |
|-----------------------------|-----------|---------------------------------------------|----------------------|-------------------------|
| TASK 2.4 SWL Survey<br>VOCs | 8010/8020 | \$90 /ea                                    | 3.875                | \$348.75                |
| SUBTOTAL:                   |           |                                             |                      | \$348.75                |
| Subcontract Subtotal:       |           |                                             |                      | \$348.75                |
| Subcontract Management Fee: |           |                                             |                      | \$0.00                  |

NOTE: A subcontract management fee of 5% will be allowed on total subcontracts over \$10,000 subject to the terms specified in the management fee protocol.

\* - The minimum daily rate will apply if LMS is unable to provide a specified number of samples (10 per day).

## SCHEDULE 2.11(f)

**UNIT PRICE SUBCONTRACTS**  
**Work Assignment Number D002676-12B-1**  
**BLOCK 328 #130043I**

| NAME OF SUBCONTRACTOR         | SERVICES TO BE PERFORMED | SUBCONTRACT PRICE | MGMT. FEE |
|-------------------------------|--------------------------|-------------------|-----------|
| 5. Mr. Electric Service (MBE) | Electrical work          | \$338.75          | \$0.00    |

| ITEM                                       | \$ MAX REIMBURSEMENT<br>RATE (Specify Unit) | EST. NO.<br>OF UNITS | TOTAL<br>EST. COST (\$) |
|--------------------------------------------|---------------------------------------------|----------------------|-------------------------|
| <b>TASK 2.2 Mob/Demob</b><br>Power hook-up | \$1,355 /ls                                 | 0.25                 | \$338.75                |
| Subcontract Total:                         |                                             |                      | \$338.75                |
| Subcontract Management Fee:                |                                             |                      | \$0.00                  |

NOTE: A subcontract management fee of 5% will be allowed on total subcontracts over \$10,000 subject to the terms specified in the management fee protocol.

## SCHEDULE 2.11(f)

**UNIT PRICE SUBCONTRACTS**  
**Work Assignment Number D002676-12B-1**  
**BLOCK 328 #130043I**

| NAME OF SUBCONTRACTOR                    | SERVICES TO BE PERFORMED | SUBCONTRACT<br>PRICE | MGMT.<br>FEE |
|------------------------------------------|--------------------------|----------------------|--------------|
| 7. Technical Editor (M.L. Pinkhsm (WBE)) | Technical Editor         | \$0.00               | \$0.00       |

| ITEM                               | \$ MAX REIMBURSEMENT<br>RATE (Specify Unit) | EST. NO.<br>OF UNITS | TOTAL<br>EST. COST (\$) |
|------------------------------------|---------------------------------------------|----------------------|-------------------------|
| <b>TASK 3.1 Draft Report</b>       |                                             |                      |                         |
| Editorial services                 | \$35 /hr                                    | 0                    | \$0.00                  |
| <b>Subcontract Total:</b>          |                                             |                      | \$0.00                  |
| <b>Subcontract Management Fee:</b> |                                             |                      | \$0.00                  |

NOTE: A subcontract management fee of 5% will be allowed on total subcontracts over \$10,000 subject to the terms specified in the management fee protocol.

## SCHEDULE 2.11(f)

**UNIT PRICE SUBCONTRACTS**  
**Work Assignment Number D002676-12B-1**  
**BLOCK 328 #130043I**

| NAME OF SUBCONTRACTOR | SERVICES TO BE PERFORMED | SUBCONTRACT PRICE | MGMT. FEE |
|-----------------------|--------------------------|-------------------|-----------|
| 8. Cassone Trailer    | Trailer Rental           | \$288.25          | \$0.00    |

| ITEM                           | \$ MAX REIMBURSEMENT RATE (Specify Unit) | EST. NO. OF UNITS                  | TOTAL EST. COST (\$) |
|--------------------------------|------------------------------------------|------------------------------------|----------------------|
| <b>TASK 2.2 Mob/Demob</b>      |                                          |                                    |                      |
| Trailer rental (mobile office) | \$278 /mn                                | 0.25                               | \$69.50              |
| Delivery                       | \$150 /ls                                | 0.25                               | \$37.50              |
| Return                         | \$150 /ls                                | 0.25                               | \$37.50              |
| Road permit                    | \$85 /ls                                 | 0.25                               | \$21.25              |
| Knockdown/level                | \$125 /ls                                | 0.25                               | \$31.25              |
| Stairs                         | \$25 /mn                                 | 0.50                               | \$12.50              |
| Security package (window/door) | \$35 /ls                                 | 2.25                               | \$78.75              |
|                                |                                          | <b>SUBTOTAL:</b>                   | <b>\$288.25</b>      |
|                                |                                          | <b>Subcontract Total:</b>          | <b>\$288.25</b>      |
|                                |                                          | <b>Subcontract Management Fee:</b> | <b>\$0.00</b>        |

NOTE: A subcontract management fee of 5% will be allowed on total subcontracts over \$10,000 subject to the terms specified in the management fee protocol.

DATE PREPARED: 15 Aug 96  
 BILLING PERIOD:  
 INVOICE No.:  
 CAP No.:

CONTRACT No.: D002676  
 PROJECT NAME: Block 328 Site #1300431  
 WORK ASSIGNMENT No.: D002676-12B-1  
 TASK No./NAME: Task 1  
 COMPLETE: 56%

# MONTHLY COST CONTROL REPORT SUMMARY OF FISCAL INFORMATION

| EXPENDITURE CATEGORY                          | A<br>COST CLAIMED THIS PERIOD | B<br>PAID TO DATE | C<br>TOTAL DISALLOWED TO DATE | D<br>TOTAL COSTS PAID TO DATE (A+B) | E<br>ESTIMATED COSTS TO COMPLETION | F<br>ESTIMATED TOTAL WORK ASSIGNMENT PRICE (A+B+E) | G<br>APPROVED BUDGET | H<br>ESTIMATED UNDER/OVER (G-F) |
|-----------------------------------------------|-------------------------------|-------------------|-------------------------------|-------------------------------------|------------------------------------|----------------------------------------------------|----------------------|---------------------------------|
| 1. Direct Salary Costs:                       | 0.00                          | 769.81            | (675.51)                      | 769.81                              | 676.50                             | 1,446.31                                           | 1,446.31             | 0.00                            |
| 2. Indirect Salary Costs (1.55):              | 0.00                          | 1,168.96          | (1,024.87)                    | 1,168.96                            | 1,072.82                           | 2,241.78                                           | 2,241.78             | 0.00                            |
| 3. Subtotal Direct Salary and Indirect Costs: | 0.00                          | 1,938.77          | (1,700.38)                    | 1,938.77                            | 1,749.32                           | 3,688.09                                           | 3,688.09             | 0.00                            |
| 4. Travel:                                    | 0.00                          | 0.00              | (0.46)                        | 0.00                                | 0.00                               | 0.00                                               | 0.00                 | 0.00                            |
| 5. Other Non-Salary Costs:                    | 0.00                          | 96.37             | (8.69)                        | 96.37                               | 0.00                               | 96.38                                              | 96.38                | 0.00                            |
| Material Costs:                               | 0.00                          | 0.00              | 0.00                          | 0.00                                | 0.00                               | 0.00                                               | 0.00                 | 0.00                            |
| Equipment Costs:                              | 0.00                          | 0.00              | 0.00                          | 0.00                                | 0.00                               | 0.00                                               | 0.00                 | 0.00                            |
| 6. Subtotal Direct Non-Salary Costs:          | 0.00                          | 96.37             | (9.15)                        | 96.37                               | 0.00                               | 96.38                                              | 96.38                | 0.00                            |
| 7. Subs:                                      |                               |                   |                               |                                     |                                    |                                                    |                      |                                 |
| Subconsultants:                               |                               |                   |                               |                                     |                                    |                                                    |                      |                                 |
| Subcontractors:                               |                               |                   |                               |                                     |                                    |                                                    |                      |                                 |
| 8. Total Work Assignment Costs:               | 0.00                          | 2,035.14          | (1,709.52)                    | 2,035.14                            | 1,749.33                           | 3,784.47                                           | 3,784.47             | 0.00                            |
| 9. Fees:                                      |                               |                   |                               |                                     |                                    |                                                    |                      |                                 |
| Fixed Fee:                                    | 0.00                          | 193.88            | 0.00                          | 193.88                              | 0.00                               | 193.88                                             | 193.88               | 0.00                            |
| Management Fee:                               | 0.00                          | 0.00              | 0.00                          | 0.00                                | 0.00                               | 0.00                                               | 0.00                 | 0.00                            |
| 10. Total Work Assignment Price:              | 0.00                          | 2,229.02          | (1,709.52)                    | 2,229.02                            | 1,749.33                           | 3,978.35                                           | 3,978.35             | 0.00                            |

Project Manager (Engineer):

Date:

VIEW: Jsky Kelly Engineers Inc. SCHEDULE 2.1.1 (Rev. 4-96)

CONTRACT No.: D002676  
PROJECT NAME: Block 328 Site #1300431  
WORK ASSIGNMENT No.: D002676-12B-1  
TASK No./NAME: Task 3  
COMPLETE: 92%

MONTHLY COST CONTROL REPORT  
SUMMARY OF FISCAL INFORMATION

PAID: 4-96  
DATE PREPARED: 15 Aug 96  
BILLING PERIOD:  
INVOICE No.:  
CAP No.:

| EXPENDITURE CATEGORY                          | A<br>COST CLAIMED THIS PERIOD | B<br>PAID TO DATE | C<br>TOTAL DISALLOWED TO DATE | D<br>TOTAL COSTS PAID TO DATE (A+B) | E<br>ESTIMATED COSTS TO COMPLETION | F<br>ESTIMATED TOTAL WORK ASSIGNMENT PRICE (A + B + E) | G<br>APPROVED BUDGET | H<br>ESTIMATED UNDER/OVER (G-F) |
|-----------------------------------------------|-------------------------------|-------------------|-------------------------------|-------------------------------------|------------------------------------|--------------------------------------------------------|----------------------|---------------------------------|
| 1. Direct Salary Costs:                       | 0.00                          | 4,569.84          | 0.00                          | 4,569.84                            | 0.10                               | 4,569.94                                               | 4,569.94             | 0.00                            |
| 2. Indirect Salary Costs (1.55):              | 0.00                          | 6,937.03          | 0.00                          | 6,937.03                            | 146.37                             | 7,083.40                                               | 7,083.40             | 0.00                            |
| 3. Subtotal Direct Salary and Indirect Costs: | 0.00                          | 11,506.87         | 0.00                          | 11,506.87                           | 146.47                             | 11,653.33                                              | 11,653.33            | 0.00                            |
| 4. Travel:                                    | 0.00                          | 17.30             | 0.00                          | 17.30                               | 33.70                              | 51.00                                                  | 51.00                | 0.00                            |
| 5. Other Non-Salary Costs:                    |                               |                   |                               |                                     |                                    |                                                        |                      |                                 |
| Material Costs:                               | 0.00                          | 416.75            | 0.00                          | 416.75                              | 93.75                              | 510.50                                                 | 510.50               | 0.00                            |
| Equipment Costs:                              | 0.00                          | 0.00              | 0.00                          | 0.00                                | 0.00                               | 0.00                                                   | 0.00                 | 0.00                            |
| 6. Subtotal Direct Non-Salary Costs:          | 0.00                          | 434.05            | 0.00                          | 434.05                              | 127.45                             | 561.50                                                 | 561.50               | 0.00                            |
| 7. Subs:                                      |                               |                   |                               |                                     |                                    |                                                        |                      |                                 |
| Subconsultants:                               |                               |                   |                               |                                     |                                    |                                                        |                      |                                 |
| Subcontractors:                               |                               |                   |                               |                                     |                                    |                                                        |                      |                                 |
| Marsden Reproduction                          | 0.00                          | 0.00              | 0.00                          | 0.00                                | 806.00                             | 806.00                                                 | 806.00               | 0.00                            |
| Technical Editor M.L. Pinkham                 | 0.00                          | 0.00              | 0.00                          | 0.00                                | 0.00                               | 0.00                                                   | 0.00                 | 0.00                            |
| 8. Total Work Assignment Costs:               | 0.00                          | 11,940.92         | 0.00                          | 11,940.92                           | 1,079.92                           | 13,020.83                                              | 13,020.83            | 0.00                            |
| 9. Fees:                                      |                               |                   |                               |                                     |                                    |                                                        |                      |                                 |
| Fixed Fee:                                    | 0.00                          | 1,102.11          | 0.00                          | 1,102.11                            | 30.25                              | 1,132.36                                               | 1,132.36             | 0.00                            |
| Management Fee:                               | 0.00                          | 0.00              | 0.00                          | 0.00                                | 0.00                               | 0.00                                                   | 0.00                 | 0.00                            |
| 10. Total Work Assignment Price:              | 0.00                          | 13,043.03         | 0.00                          | 13,043.03                           | 1,110.17                           | 14,153.19                                              | 14,153.19            | 0.00                            |

Project Manager (Engineer): \_\_\_\_\_

Date: \_\_\_\_\_

ENGINEER: Lawler, Matusky & Skelly Engineers LLP

CONTRACT No.: D002676

PROJECT NAME: Block 328 Site #1300431

WORK ASSIGN. No.: D002676-12B-1

SCHEDULE 2.11(h)

DATE PREPARED: 15 Aug 96

BILLING PERIOD:

INVOICE No.:

## MONTHLY COST CONTROL REPORT

### SUMMARY OF LABOR HOURS

Number of Direct Labor Hours Expended to Date/Estimated Number of Direct Labor Hours to Completion

| LABOR<br>CLASSIFICATION | IX   |       | VIII |       | VII  |       | VI   |       | V    |       | IV   |       | III  |       | II    |       | I     |       | WP   |       | TOTAL NO.<br>OF DIRECT<br>LABOR HRS. |       |
|-------------------------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|-------|-------|-------|-------|------|-------|--------------------------------------|-------|
|                         | EXP. | /EST. | EXP. | /EST. | EXP. | /EST. | EXP. | /EST. | EXP. | /EST. | EXP. | /EST. | EXP. | /EST. | EXP.  | /EST. | EXP.  | /EST. | EXP. | /EST. | EXP.                                 | /EST. |
| Task 1                  | 0.0  | 0.5   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 3.5  | 0.0   | 4.0  | 0.0   | 5.5  | 0.0   | 25.5  | 0.0   | 8.0   | 0.0   | 3.0  | 0.0   | 61.0                                 | 0.0   |
| Task 2                  | 0.0  | 1.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 1.5  | 0.0   | 2.5  | 0.0   | 0.0  | 0.0   | 174.5 | 0.0   | 169.5 | 0.0   | 0.0  | 0.0   | 376.0                                | 0.0   |
| Task 3                  | 0.0  | 2.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 1.0  | 0.0   | 88.8  | 0.0   | 89.0  | 0.0   | 7.5  | 0.0   | 211.0                                | 0.0   |
| TOTAL HOURS:            | 0.0  | 3.5   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 5.0  | 0.0   | 6.5  | 0.0   | 6.5  | 0.0   | 288.8 | 0.0   | 266.5 | 0.0   | 10.5 | 0.0   | 648.0                                | 0.0   |

NOTES:

**LABOR HOURS AND COSTS**  
**TASK SUMMARY**  
**BLOCK 328 #130043I**

| NSPE/ASCE<br>LABOR CLASS         | 1995 HOURLY RATE (\$) | 1996 HOURLY RATE (\$) | TASK 1: 1995 RATES | TASK 2: 1995 RATES | TASK 3: 1996 RATES | TASK 4: 1996 RATES | TOTAL<br>HOURS | SUBTOTAL (\$) |
|----------------------------------|-----------------------|-----------------------|--------------------|--------------------|--------------------|--------------------|----------------|---------------|
| IX                               | 54.38                 | 57.38                 | 0.50               | 1.00               | 2.00               | 0.00               | 3.50           | 196.330       |
| VIII                             | 41.81                 | 44.11                 | 0.00               | 0.00               | 0.00               | 0.00               | 0.00           | 0.000         |
| VII                              | 36.88                 | 38.70                 | 8.00               | 27.00              | 22.75              | 0.00               | 57.75          | 2,164.225     |
| VI                               | 34.36                 | 36.25                 | 3.00               | 0.00               | 0.00               | 0.00               | 3.00           | 103.080       |
| V                                | 30.65                 | 32.34                 | 3.50               | 1.50               | 0.00               | 0.00               | 5.00           | 153.250       |
| IV                               | 23.97                 | 25.29                 | 4.00               | 2.50               | 0.00               | 0.00               | 6.50           | 155.805       |
| III                              | 21.47                 | 22.65                 | 5.50               | 0.00               | 1.00               | 0.00               | 6.50           | 140.735       |
| II                               | 20.88                 | 22.02                 | 25.50              | 174.50             | 88.75              | 0.00               | 288.75         | 6,130.275     |
| I                                | 15.83                 | 16.70                 | 8.00               | 169.50             | 89.00              | 0.00               | 266.50         | 4,296.125     |
| WP                               | 14.08                 | 14.87                 | 3.00               | 0.00               | 7.50               | 0.00               | 10.50          | 153.795       |
| <b>TOTAL UNITS:</b>              |                       |                       | 61.00              | 376.00             | 211.00             | 0.00               | 648.00         |               |
| <b>DIRECT SALARY COSTS (\$):</b> |                       |                       | 1,446.310          | 7,477.385          | 4,569.935          | 0.000              |                | 13,493.630    |
| <b>INDIRECT SALARY</b>           |                       |                       |                    |                    |                    |                    |                |               |
| OSTS (\$):                       | 1.55                  |                       | 2,241.781          | 11,589.948         | 7,083.398          | 0.000              |                | 20,915.127    |
| <b>SUBTOTAL (\$):</b>            |                       |                       | 3,688.091          | 19,067.333         | 11,653.333         | 0.000              |                | 34,408.757    |
| <b>FIXED FEE (\$):</b>           | 0.10                  |                       | 193.880            | 1,884.738          | 1,132.357          | 0.000              |                | 3,210.975     |
| <b>MATERIAL COSTS (\$):</b>      |                       |                       | 96.375             | 944.150            | 510.500            | 0.000              |                | 1,551.025     |
| <b>TRAVEL COSTS (\$):</b>        |                       |                       | 0.000              | 3,031.030          | 51.000             | 0.000              |                | 3,082.030     |
| <b>FIELD EQUIPMENT (\$):</b>     |                       |                       | 0.000              | 301.000            | 0.000              | 0.000              |                | 301.000       |
| <b>SUBS (\$):</b>                |                       |                       | 0.000              | 24,195.828         | 806.000            | 0.000              |                | 25,001.828    |
| <b>MGMT FEE (\$):</b>            | 0.05                  |                       | 0.000              | 684.531            | 0.000              | 0.000              |                | 684.531       |
| <b>TOTAL (\$):</b>               |                       |                       | 3,978.346          | 50,108.609         | 14,153.190         | 0.000              |                | 68,240.145    |

**SCHEDULE 2.11 (a)**  
**SUMMARY OF WORK ASSIGNMENT PRICE**  
 Work Assignment Number D002676-12B-1  
 GARDEN/HOPPER ST. SITE #130043J

| LINE ITEM                                                         | AMOUNT (\$)                                   |
|-------------------------------------------------------------------|-----------------------------------------------|
| 1. Direct Salary Costs (Schedules 2.10 (a) and 2.11 (b))          | 13,510                                        |
| 2. Indirect Costs (Schedule (2.10 (g))                            | 20,941                                        |
| 3. Direct Non-Salary Costs (Schedules 2.10 (d,e,f) and 2.11 (c,d) | 3,706                                         |
| <b>Subcontract Costs:</b>                                         |                                               |
| <b>Name of Subcontractor</b>                                      | <b>Services to be Performed</b>               |
| 1. YEC, Inc                                                       | Survey                                        |
| 4. Total Cost-Plus-Fixed Fee Subcontracts                         | 7,369                                         |
| <b>Unit Price Subcontracts (Schedule 2.10 (f) and 2.11 (f))</b>   |                                               |
| <b>Name of Subcontractor</b>                                      | <b>Services to be Performed</b>               |
| 1. Zebra Environmental                                            | Drilling, soil sampling and well installation |
| 2. Commonwealth Analytical                                        | Mobile Laboratory                             |
| 3. Inchcape Testing Lab (Aquatec)                                 | Laboratory Analysis                           |
| 4. Marsden Reproduction                                           | Reproduction                                  |
| 5. Mr. Electric Service (MBE)                                     | Electrical work                               |
| 6. Spiegel Associates                                             | Lease space for trailer                       |
| 7. Technical Editor (M.L. Pinkhsm (WBE))                          | Technical Editor                              |
| 8. Sub-Surface Informational Surveys, Inc.                        | GPR Services                                  |
| 9. Cassone Trailer                                                | Trailer Rental                                |
| 5. Total Unit Price Subcontracts                                  | 17,669                                        |
| 6. Subcontract Management Fee (Schedule 2.11(f))                  | 685                                           |
| 7. Total Subcontract Costs (lines 4 + 5)                          | 25,039                                        |
| 8. Fixed Fee (Schedule 2.10 (h))                                  | 3,211                                         |
| 9. Total Work Assignment Price (lines 1 + 2 + 3 + 6 + 7)          | 67,092                                        |

ENGINEER/CONTRACT No.: Lawler, Matusky & Skelly Engineers LLP  
 PROJECT NAME: Garden/Hopper St. Site #130043J  
 WORK ASSIGNMENT No.: 02676-12B-1

DATE PREPARED: 15 Aug 96

**SCHEDULE 2.11(b-1)**  
**DIRECT ADMINISTRATIVE LABOR HOURS BUDGETED**

| NSPE LABOR<br>CLASSIFICATION | IX          | VIII        | VII         | VI          | V           | IV          | III         | II          | I           | WP          | TOTAL No.<br>OF DIRECT<br>ADMINISTRATIVE<br>LABOR HOURS<br>BUDGETED |
|------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------------------------------------------------------|
| Task 1                       | 0.00        | 0.00        | 2.25        | 0.00        | 0.00        | 0.00        | 0.00        | 4.00        | 0.00        | 0.00        | 6.25                                                                |
| Task 2                       | 1.00        | 0.00        | 5.00        | 0.00        | 0.00        | 0.00        | 0.00        | 2.00        | 0.00        | 0.00        | 8.00                                                                |
| Task 3                       | 0.00        | 0.00        | 2.25        | 0.00        | 0.00        | 0.00        | 0.00        | 1.50        | 0.50        | 0.00        | 4.25                                                                |
| <b>TOTAL HOURS:</b>          | <b>1.00</b> | <b>0.00</b> | <b>9.50</b> | <b>0.00</b> | <b>0.00</b> | <b>0.00</b> | <b>0.00</b> | <b>7.50</b> | <b>0.50</b> | <b>0.00</b> | <b>18.50</b>                                                        |

Contract/Project administrative hours would include but not necessarily be limited to the following activities:

1. Work Plan Development
  - Conflict of Interest Check
  - Develop of budget schedules and supporting documentation
2. Review work assignment (WA) progress
  - Conduct progress reviews
  - Prepare monthly project report
  - Update WA progress schedule
3. Review monthly M/WBE Utilization Report
  - Review work assignment costs
  - Prepare monthly cost control report
  - Cost control reviews

4. CAP Preparation
  - Oversee and prepare monthly CAP
  - Respond to payment issues/disallowances
  - NSPE list updates
  - Equipment Inventory
5. Manage subcontracts
6. Implement and manage program management and staffing plans
7. Conduct Health and Safety Reviews
8. Word processing and graphic artists
9. Report editing

Contract/Project administration hours would NOT include activities such as:

1. QA/Qc reviews
2. Technical oversight by management
3. Develop subcontracts
4. Work plan development
5. Review of deliverables

## SCHEDULE 2.11(e)

**COST-PLUS FIXED FEE SUBCONTRACTS**

Work Assignment Number D002676-12B-1

GARDEN/HOPPER ST. SITE #130043J

| NAME OF SUBCONTRACTOR | SERVICES TO BE PERFORMED | SUBCONTRACT PRICE |
|-----------------------|--------------------------|-------------------|
| 1. YEC, Inc           | Survey                   | \$7,369.30        |

**A. Direct Salary Costs**

| PROFESSIONAL RESPONSIBILITY LEVEL         | LABOR CLASS. | MAXIMUM REIMB. RATE (\$/hr) | ESTIMATED NUMBER OF HOURS | TOTAL ESTIMATED DIRECT SALARY COST (\$) |
|-------------------------------------------|--------------|-----------------------------|---------------------------|-----------------------------------------|
| Principal                                 | VIII         | 42.39                       | 3                         | \$127.17                                |
| Sr Geologist/Scientist/Eng.               | V            | 33.35                       | 14                        | \$466.90                                |
| Licensed Surveyor/Staff<br>Geo./Sci./Eng. | IV           | 27.88                       | 10                        | \$278.80                                |
| Staff Geo./Sci./<br>Eng./Sr Draftsperson  | III          | 20.91                       | 10                        | \$209.10                                |
| Sr. Tech./Staff Eng./Sci./Geo.            | II           | 16.78                       | 98                        | \$1,644.44                              |
| <b>TOTAL DIRECT SALARY COSTS:</b>         |              |                             |                           | <b>\$2,726.41</b>                       |

**FOOTNOTES:**

- 1 - These rates will be held firm until October 31, 1995.
- 2 - Reimbursement will be limited to the lesser of either the individuals actual hourly rate or the maximum rate for each labor category.
- 3 - Reimbursement will be limited to the maximum reimbursement rate for the professional responsibility level of the actual work performed.
- 4 - Only those labor classifications indicated with an asterisk will be entitled to overtime.
- 5 - Reimbursement for technical time of principals, owners and officers will be limited to the maximum maximum reimbursement rate of that labor category, the actual hourly labor rate paid, or the Federal GS-18 rate, whichever is lower.
- 6 - The maximum rates in each labor category can be modified only by mutual written agreement and approved by both the Department and the Comptroller.
- 7 - This footnote applies to Schedules for years 4 thru 7 only. If the U.S. cost-of-living index increases at a rate greater than 6% compounded annually, the maximum salary rates will be subject to renegotiation for future years of the contract.

## SCHEDULE 2.11(f)

**UNIT PRICE SUBCONTRACTS**  
**Work Assignment Number D002676-12B-1**  
**GARDEN/HOPPER ST. SITE #130043J**

| NAME OF SUBCONTRACTOR  | SERVICES TO BE PERFORMED                      | SUBCONTRACT PRICE | MGMT. FEE |
|------------------------|-----------------------------------------------|-------------------|-----------|
| 1. Zebra Environmental | Drilling, soil sampling and well installation | \$7,025.63        | \$351.28  |

| ITEM                                                                         | \$ MAX REIMBURSEMENT RATE (Specify Unit) | EST. NO. OF UNITS | TOTAL EST. COST (\$) |
|------------------------------------------------------------------------------|------------------------------------------|-------------------|----------------------|
| <b>TASK 2.6 GW Probes</b>                                                    |                                          |                   |                      |
| Daily rate including 2 person crew and probe unit (assumes 8 hours on-site): | \$990 /day                               | 5.33902           | \$5,285.63           |
| Overtime rate (including 2 person crew and probe unit):                      | \$150 /hr                                | 6                 | \$900.00             |
| Sampling charge for soils:                                                   | \$15 /sample                             | 11                | \$165.00             |
| Sampling charge for groundwater:                                             | \$15 /sample                             | 45                | \$675.00             |
| Mob/demob (ls):                                                              | No charge                                | -                 | \$0.00               |
| Per diem (per manday)                                                        | No charge                                | -                 | \$0.00               |
| Soil conductivity logging*:                                                  | No charge                                | 2                 | \$0.00               |
| <b>Subcontract Total:</b>                                                    |                                          |                   | <b>\$7,025.63</b>    |
| <b>Subcontract Management Fee:</b>                                           |                                          |                   | <b>\$351.28</b>      |

NOTE: A subcontract management fee of 5% will be allowed on total subcontracts over \$10,000 subject to the terms specified in the management fee protocol.

## SCHEDULE 2.11(f)

**UNIT PRICE SUBCONTRACTS**  
**Work Assignment Number D002676-12B-1**  
**GARDEN/HOPPER ST. SITE #130043J**

|                                   |                                 |                          |                  |
|-----------------------------------|---------------------------------|--------------------------|------------------|
| <b>NAME OF SUBCONTRACTOR</b>      | <b>SERVICES TO BE PERFORMED</b> | <b>SUBCONTRACT PRICE</b> | <b>MGMT. FEE</b> |
| 3. Inchcape Testing Lab (Aquatec) | Laboratory Analysis             | \$378.35                 | \$0.00           |

| ITEM                               | METHOD    | \$ MAX REIMBURSEMENT<br>RATE (Specify Unit) | EST. NO.<br>OF UNITS | TOTAL<br>EST. COST (\$) |
|------------------------------------|-----------|---------------------------------------------|----------------------|-------------------------|
| <b>TASK 2.4 SWL Survey</b>         |           |                                             |                      |                         |
| VOCs                               | 8010/8020 | \$90 /ea                                    | 4.203888889          | \$378.35                |
| <b>SUBTOTAL:</b>                   |           |                                             |                      | \$378.35                |
| <b>Subcontract Subtotal:</b>       |           |                                             |                      | \$378.35                |
| <b>Subcontract Management Fee:</b> |           |                                             |                      | \$0.00                  |

NOTE: A subcontract management fee of 5% will be allowed on total subcontracts over \$10,000 subject to the terms specified in the management fee protocol.

\* - The minimum daily rate will apply if LMS is unable to provide a specified number of samples (10 per day).

## SCHEDULE 2.11(f)

**UNIT PRICE SUBCONTRACTS**  
**Work Assignment Number D002676-12B-1**  
**GARDEN/HOPPER ST. SITE #130043J**

| NAME OF SUBCONTRACTOR         | SERVICES TO BE PERFORMED | SUBCONTRACT<br>PRICE | MGMT.<br>FEE |
|-------------------------------|--------------------------|----------------------|--------------|
| 5. Mr. Electric Service (MBE) | Electrical work          | \$338.75             | \$0.00       |

| ITEM                               | \$ MAX REIMBURSEMENT<br>RATE (Specify Unit) | EST. NO.<br>OF UNITS | TOTAL<br>EST. COST (\$) |
|------------------------------------|---------------------------------------------|----------------------|-------------------------|
| <b>TASK 2.2 Mob/Demob</b>          |                                             |                      |                         |
| Power hook-up                      | \$1,355 /ls                                 | 0.25                 | \$338.75                |
| <b>Subcontract Total:</b>          |                                             |                      | \$338.75                |
| <b>Subcontract Management Fee:</b> |                                             |                      | \$0.00                  |

NOTE: A subcontract management fee of 5% will be allowed on total subcontracts over \$10,000 subject to the terms specified in the management fee protocol.

## SCHEDULE 2.11(f)

**UNIT PRICE SUBCONTRACTS**  
**Work Assignment Number D002676-12B-1**  
**GARDEN/HOPPER ST. SITE #130043J**

| NAME OF SUBCONTRACTOR                    | SERVICES TO BE PERFORMED | SUBCONTRACT PRICE | MGMT. FEE |
|------------------------------------------|--------------------------|-------------------|-----------|
| 7. Technical Editor (M.L. Pinkhsm (WBE)) | Technical Editor         | \$0.00            | \$0.00    |

| ITEM                         | \$ MAX REIMBURSEMENT<br>RATE (Specify Unit) | EST. NO.<br>OF UNITS | TOTAL<br>EST. COST (\$) |
|------------------------------|---------------------------------------------|----------------------|-------------------------|
| <b>TASK 3.1 Draft Report</b> |                                             |                      |                         |
| Editorial services           | \$35 /hr                                    | 0                    | \$0.00                  |
| Subcontract Total:           |                                             |                      | \$0.00                  |
| Subcontract Management Fee:  |                                             |                      | \$0.00                  |

NOTE: A subcontract management fee of 5% will be allowed on total subcontracts over \$10,000 subject to the terms specified in the management fee protocol.

## SCHEDULE 2.11(f)

**UNIT PRICE SUBCONTRACTS**  
**Work Assignment Number D002676-12B-1**  
**GARDEN/HOPPER ST. SITE #130043J**

|                              |                                 |                          |                  |
|------------------------------|---------------------------------|--------------------------|------------------|
| <b>NAME OF SUBCONTRACTOR</b> | <b>SERVICES TO BE PERFORMED</b> | <b>SUBCONTRACT PRICE</b> | <b>MGMT. FEE</b> |
| 9. Cassone Trailer           | Trailer Rental                  | \$288.25                 | \$0.00           |

| ITEM                               | \$ MAX REIMBURSEMENT<br>RATE (Specify Unit) | EST. NO.<br>OF UNITS | TOTAL<br>EST. COST (\$) |
|------------------------------------|---------------------------------------------|----------------------|-------------------------|
| <b>TASK 2.2 Mob/Demob</b>          |                                             |                      |                         |
| Trailer rental (mobile office)     | \$278 /mn                                   | 0.25                 | \$69.50                 |
| Delivery                           | \$150 /ls                                   | 0.25                 | \$37.50                 |
| Return                             | \$150 /ls                                   | 0.25                 | \$37.50                 |
| Road permit                        | \$85 /ls                                    | 0.25                 | \$21.25                 |
| Knockdown/level                    | \$125 /ls                                   | 0.25                 | \$31.25                 |
| Stairs                             | \$25 /mn                                    | 0.50                 | \$12.50                 |
| Security package (window/door)     | \$35 /ls                                    | 2.25                 | \$78.75                 |
| <b>SUBTOTAL:</b>                   |                                             |                      | <b>\$288.25</b>         |
| <b>Subcontract Total:</b>          |                                             |                      | <b>\$288.25</b>         |
| <b>Subcontract Management Fee:</b> |                                             |                      | <b>\$0.00</b>           |

NOTE: A subcontract management fee of 5% will be allowed on total subcontracts over \$10,000 subject to the terms specified in the management fee protocol.

VEEP  
CONTRACT No.:  
PROJECT NAME:  
WORK ASSIGNMENT No.:  
TASK No./NAME:  
COMPLETE:

1, Mi: 1 & 2 Engineers LLP  
D002676  
Garden/Hopper St. Site #130043J  
D002676-12B-1  
Task 1  
56%

SCHEDULE 7 11(g)

MONTHLY COST CONTROL REPORT  
SUMMARY OF FISCAL INFORMATION

DATE PREPARED: 15 Aug 96  
BILLING PERIOD:  
INVOICE No.:  
CAP No.:

| EXPENDITURE CATEGORY                           | A<br>COST CLAIMED<br>THIS PERIOD | B<br>PAID TO<br>DATE | C<br>TOTAL<br>DISSALLOWED<br>TO DATE | D<br>TOTAL COSTS<br>PAID TO<br>DATE (A+B) | E<br>ESTIMATED<br>COSTS TO<br>COMPLETION<br>PRICE (A+B+E) | F<br>ESTIMATED<br>TOTAL WORK<br>ASSIGNMENT<br>PRICE (A+B+E) | G<br>APPROVED<br>BUDGET | H<br>ESTIMATED<br>UNDER/OVER<br>(G-F) |
|------------------------------------------------|----------------------------------|----------------------|--------------------------------------|-------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------|-------------------------|---------------------------------------|
| 1. Direct Salary Costs:                        | 0.00                             | 769.81               | (675.51)                             | 769.81                                    | 675.98                                                    | 1,445.79                                                    | 1,445.79                | 0.00                                  |
| 2. Indirect Salary Costs (1.55):               | 0.00                             | 1,168.96             | (1,024.87)                           | 1,168.96                                  | 1,072.01                                                  | 2,240.97                                                    | 2,240.97                | 0.00                                  |
| 3. Subtotal Direct Salary and Indirect Costs:  | 0.00                             | 1,938.77             | (1,700.38)                           | 1,938.77                                  | 1,747.99                                                  | 3,686.75                                                    | 3,686.75                | 0.00                                  |
| 4. Travel:                                     | 0.00                             | 0.00                 | (0.46)                               | 0.00                                      | 0.00                                                      | 0.00                                                        | 0.00                    | 0.00                                  |
| 5. Other Non-Salary Costs:                     |                                  |                      |                                      |                                           |                                                           |                                                             |                         |                                       |
| Material Costs:                                | 0.00                             | 96.37                | (8.69)                               | 96.37                                     | 0.00                                                      | 96.38                                                       | 96.38                   | 0.00                                  |
| Equipment Costs:                               | 0.00                             | 0.00                 | 0.00                                 | 0.00                                      | 0.00                                                      | 0.00                                                        | 0.00                    | 0.00                                  |
| 6. Subtotal Direct Non-Salary Costs:           | 0.00                             | 96.37                | (9.15)                               | 96.37                                     | 0.00                                                      | 96.38                                                       | 96.38                   | 0.00                                  |
| 7. Subs:<br>Subconsultants:<br>Subcontractors: |                                  |                      |                                      |                                           |                                                           |                                                             |                         |                                       |
| 8. Total Work Assignment Costs:                | 0.00                             | 2,035.14             | (1,709.52)                           | 2,035.14                                  | 1,747.99                                                  | 3,783.13                                                    | 3,783.13                | 0.00                                  |
| 9. Fees:                                       |                                  |                      |                                      |                                           |                                                           |                                                             |                         |                                       |
| Fixed Fee:                                     | 0.00                             | 193.88               | 0.00                                 | 193.88                                    | 0.00                                                      | 193.88                                                      | 193.88                  | 0.00                                  |
| Management Fee:                                | 0.00                             | 0.00                 | 0.00                                 | 0.00                                      | 0.00                                                      | 0.00                                                        | 0.00                    | 0.00                                  |
| 10. Total Work Assignment Price:               | 0.00                             | 2,229.02             | (1,709.52)                           | 2,229.02                                  | 1,747.99                                                  | 3,977.01                                                    | 3,977.01                | 0.00                                  |

Project Manager (Engineer):

Date:

**Lawler, Matusky & Skelly Engineers LLP**

ENGINEER: Lawler, Matusky & Skelly Engineers LLP  
CONTRACT No.: D002676

PROJECT NAME: Garden/Hopper St. Site #130043J  
WORK ASSIGN. No.: D002676-12B-1

SCHEDULE 2.11(h)

MONTHLY COST CONTROL REPORT  
SUMMARY OF LABOR HOURS

DATE PREPARED: 15 Aug 96  
BILLING PERIOD:  
INVOICE No.:

Number of Direct Labor Hours Expended to Date/Estimated Number of Direct Labor Hours to Completion

| LABOR<br>CLASSIFICATION | IX   |       | VIII |       | VII  |       | VI   |       | V    |       | IV   |       | III  |       | II   |       | I    |       | WP   |       | TOTAL NO.<br>OF DIRECT<br>LABOR HRS. |
|-------------------------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|--------------------------------------|
|                         | EXP. | /EST. | EXP. | /EST. | EXP. | /EST. | EXP. | /EST. | EXP. | /EST. | EXP. | /EST. | EXP. | /EST. | EXP. | /EST. | EXP. | /EST. | EXP. | /EST. |                                      |
| Task 1                  | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 63.0                                 |
| Task 2                  | 0.0  | 2.5   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 384.8                                |
| Task 3                  | 0.0  | 2.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 204.8                                |
| TOTAL HOURS:            | 0.0  | 4.5   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 652.5                                |

NOTES:

TABLE 3 (Page 1 of 1)

**LABOR HOURS AND COSTS****TASK SUMMARY**

GARDEN/HOPPER ST. SITE #130043J

| NSPE/ASCE<br>LABOR CLASS         | 1995 HOURLY RATE (\$) | 1996 HOURLY RATE (\$) | TASK 1: 1995 RATES | TASK 2: 1995 RATES | TASK 3: 1996 RATES | TASK 4: 1996 RATES | TOTAL<br>HOURS | SUBTOTAL (\$) |
|----------------------------------|-----------------------|-----------------------|--------------------|--------------------|--------------------|--------------------|----------------|---------------|
| IX                               | 54.38                 | 57.38                 | 0.00               | 2.50               | 2.00               | 0.00               | 4.50           | 250.710       |
| VIII                             | 41.81                 | 44.11                 | 0.00               | 0.00               | 0.00               | 0.00               | 0.00           | 0.000         |
| VII                              | 36.68                 | 38.70                 | 7.00               | 23.00              | 22.75              | 0.00               | 52.75          | 1,980.825     |
| VI                               | 34.36                 | 36.25                 | 0.00               | 0.00               | 0.00               | 0.00               | 0.00           | 0.000         |
| V                                | 30.65                 | 32.34                 | 8.00               | 0.00               | 0.00               | 0.00               | 8.00           | 245.200       |
| IV                               | 23.97                 | 25.29                 | 0.00               | 0.00               | 0.00               | 0.00               | 0.00           | 0.000         |
| III                              | 21.47                 | 22.85                 | 15.50              | 0.00               | 0.00               | 0.00               | 15.50          | 332.785       |
| II                               | 20.88                 | 22.02                 | 20.50              | 179.75             | 93.50              | 0.00               | 293.75         | 6,240.090     |
| I                                | 15.83                 | 16.70                 | 8.00               | 176.75             | 84.50              | 0.00               | 269.25         | 4,335.743     |
| WP                               | 14.09                 | 14.87                 | 4.00               | 2.75               | 2.00               | 0.00               | 8.75           | 124.848       |
| <b>TOTAL UNITS:</b>              |                       |                       | 63.00              | 384.75             | 204.75             | 0.00               | 652.50         |               |
| <b>DIRECT SALARY COSTS (\$):</b> |                       |                       | 1,445,785          | 7,569,470          | 4,494,945          | 0.000              |                | 13,510,200    |
| <b>INDIRECT SALARY</b>           |                       |                       |                    |                    |                    |                    |                |               |
| OSTS (\$):                       | 1.55                  |                       | 2,240.965          | 11,732.680         | 6,967.163          | 0.000              |                | 20,940.809    |
| <b>SUBTOTAL (\$):</b>            |                       |                       | 3,686.750          | 19,302.150         | 11,462.108         | 0.000              |                | 34,451.008    |
| FIXED FEE (\$):                  | 0.10                  |                       | 193.880            | 1,884.738          | 1,132.357          | 0.000              |                | 3,210.975     |
| <b>MATERIAL COSTS (\$):</b>      |                       |                       | 96.375             | 610.480            | 290.500            | 0.000              |                | 997.355       |
| <b>TRAVEL COSTS (\$):</b>        |                       |                       | 0.000              | 2,214.110          | 51.000             | 0.000              |                | 2,265.110     |
| <b>FIELD EQUIPMENT (\$):</b>     |                       |                       | 0.000              | 444.000            | 0.000              | 0.000              |                | 444.000       |
| <b>SUBS (\$):</b>                |                       |                       | 0.000              | 24,232.780         | 806.000            | 0.000              |                | 25,038.780    |
| <b>MGMT FEE (\$):</b>            | 0.05                  |                       | 0.000              | 684.532            | 0.000              | 0.000              |                | 684.532       |
| <b>TOTAL (\$):</b>               |                       |                       | 3,977.005          | 49,372.789         | 13,741.966         | 0.000              |                | 67,091.760    |

**SCHEDULE 2.11 (a)**  
**SUMMARY OF WORK ASSIGNMENT PRICE**

Work Assignment Number D002676-12B-1

HOPPER/MAIN ST. SITE #130043J

| LINE ITEM                                                         | AMOUNT (\$)                     |
|-------------------------------------------------------------------|---------------------------------|
| 1. Direct Salary Costs (Schedules 2.10 (a) and 2.11 (b))          | 9,473                           |
| 2. Indirect Costs (Schedule (2.10 (g))                            | 14,684                          |
| 3. Direct Non-Salary Costs (Schedules 2.10 (d,e,f) and 2.11 (c,d) | 4,120                           |
| <b>Subcontract Costs:</b>                                         |                                 |
| <b>Name of Subcontractor</b>                                      | <b>Services to be Performed</b> |
| 1. YEC, Inc                                                       | Professional Services           |
|                                                                   | 1,185                           |
| 4. Total Cost-Plus-Fixed Fee Subcontracts                         | 1,185                           |
| <b>Unit Price Subcontracts (Schedule 2.10 (f) and 2.11 (f))</b>   |                                 |
| <b>Name of Subcontractor</b>                                      | <b>Services to be Performed</b> |
| 1. Zebra Environmental                                            | Geoprpb                         |
|                                                                   | 8,505                           |
|                                                                   | GW & Soil Sampling              |
| 2. Commonwealth Analytical                                        | Mobile Laboratory               |
|                                                                   | 7,183                           |
| 3. Inchcape Testing Lab (Aquatec)                                 | Laboratory Analysis             |
|                                                                   | 260                             |
| 4. Marsden Reproduction                                           | Reproduction                    |
|                                                                   | 687                             |
| 5. Total Unit Price Subcontracts                                  | 16,635                          |
| 6. Subcontract Management Fee (Schedule 2.11(f))                  | 784                             |
| 7. Total Subcontract Costs (lines 4 + 5)                          | 17,820                          |
| 8. Fixed Fee (Schedule 2.10 (h))                                  | 2,416                           |
| 9. Total Work Assignment Price (lines 1 + 2 + 3 + 6 + 7)          | 49,297                          |

ENGINEER/CONTRACT No.: Lawler, Matusky & Skelly Engineers LLP  
 PROJECT NAME: Hopper/Main St. Site  
 WORK ASSIGNMENT No.: 02676-12B-1

DATE PREPARED: 15 Aug 96

**SCHEDULE 2.11(b-1)**  
**DIRECT ADMINISTRATIVE LABOR HOURS BUDGETED**

| NSPE LABOR CLASSIFICATION | IX         | VIII       | VII        | VI         | V          | IV         | III        | II         | I          | WP         | TOTAL No. OF DIRECT ADMINISTRATIVE LABOR HOURS BUDGETED |
|---------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|---------------------------------------------------------|
| Task 4                    | 1.0        | 0.0        | 5.0        | 0.0        | 0.0        | 0.0        | 5.0        | 4.0        | 1.0        | 1.0        | 17.0                                                    |
| <b>TOTAL HOURS:</b>       | <b>1.0</b> | <b>0.0</b> | <b>5.0</b> | <b>0.0</b> | <b>0.0</b> | <b>0.0</b> | <b>5.0</b> | <b>4.0</b> | <b>1.0</b> | <b>1.0</b> | <b>17.0</b>                                             |

Contract/Project administrative hours would include but not necessarily be limited to the following activities:

1. Work Plan Development
  - Conflict of Interest Check
  - Develop of budget schedules and supporting documentation
2. Review work assignment (WA) progress
  - Conduct progress reviews
  - Prepare monthly project report
  - Update WA progress schedule
  - Prepare monthly M/WBE Utilization Report
3. Review work assignment costs
  - Prepare monthly cost control report
  - Cost control reviews
4. CAP Preparation
  - Oversee and prepare monthly CAP
  - Respond to payment issues/disallowances
  - NSPE list updates
  - Equipment Inventory
5. Manage subcontracts
6. Implement and manage program management and staffing plans
7. Conduct Health and Safety Reviews
8. Word processing and graphic artists
9. Report editing

Contract/Project administration hours would NOT include activities such as:

1. QA/Qc reviews
2. Technical oversight by management
3. Develop subcontracts
4. Work plan development
5. Review of deliverables

## SCHEDULE 2.11(e)

**COST-PLUS FIXED FEE SUBCONTRACTS**

Work Assignment Number D002676-12B-1

HOPPER/MAIN ST. SITE #130043J

| NAME OF SUBCONTRACTOR | SERVICES TO BE PERFORMED | SUBCONTRACT PRICE |
|-----------------------|--------------------------|-------------------|
| 1. YEC, Inc           | Professional Services    | \$1,185.07        |

**A. Direct Salary Costs**

| PROFESSIONAL RESPONSIBILITY LEVEL | LABOR CLASS. | MAXIMUM REIMB. RATE (\$/hr) | ESTIMATED NUMBER OF HOURS | TOTAL ESTIMATED DIRECT SALARY COST (\$) |
|-----------------------------------|--------------|-----------------------------|---------------------------|-----------------------------------------|
| Principal                         | VIII         | 44.94                       | 1                         | \$44.94                                 |
| Sr Geologist/Scientist/Eng.       | V            | 35.36                       | 0                         | \$0.00                                  |
| Licensed Surveyor/Staff           |              |                             |                           |                                         |
| Geo./Sci./Eng.                    | IV           | 29.55                       | 0                         | \$0.00                                  |
| Staff Geo./Sci./                  |              |                             |                           |                                         |
| Eng./Sr Draftsperson              | III          | 22.16                       | 6                         | \$132.96                                |
| Sr. Tech./Staff Eng./Sci./Geo.    | II           | 17.79                       | 14                        | \$249.06                                |
| Technician/Draftsperson           | I            | 14.28                       | 0                         | \$0.00                                  |
| <b>TOTAL DIRECT SALARY COSTS:</b> |              |                             |                           | <b>\$426.96</b>                         |

**FOOTNOTES:**

- 1 - These rates will be held firm until October 31, 1996.
- 2 - Reimbursement will be limited to the lesser of either the individuals actual hourly rate or the maximum rate for each labor category.
- 3 - Reimbursement will be limited to the maximum reimbursement rate for the professional responsibility level of the actual work performed.
- 4 - Only those labor classifications indicated with an asterix will be entitled to overtime.
- 5 - Reimbursement for technical time of principals, owners and officers will be limited to the maximum maximum reimbursement rate of that labor category, the actual hourly labor rate paid, or the Federal GS-18 rate, whichever is lower.
- 6 - The maximum rates in each labor category can be modified only by mutual written agreement and approved by both the Department and the Comptroller.
- 7 - This footnote applies to Schedules for years 4 thru 7 only. If the U.S. cost-of-living index increases at a rate greater than 6% compounded annually, the maximum salary rates will be subject to renegotiation for future years of the contract.

## SCHEDULE 2.11(f)

**UNIT PRICE SUBCONTRACTS**  
**Work Assignment Number D002676-12B-1**  
**HOPPER/MAIN ST. SITE #130043J**

| NAME OF SUBCONTRACTOR  | SERVICES TO BE PERFORMED       | SUBCONTRACT PRICE | MGMT. FEE |
|------------------------|--------------------------------|-------------------|-----------|
| 1. Zebra Environmental | Geoprobe<br>GW & Soil Sampling | \$8,505.00        | \$425.25  |

| ITEM                                                                         | \$ MAX REIMBURSEMENT RATE (Specify Unit) | EST. NO. OF UNITS | TOTAL EST. COST (\$) |
|------------------------------------------------------------------------------|------------------------------------------|-------------------|----------------------|
| <b>TASK 4.3 GW Probes</b>                                                    |                                          |                   |                      |
| Daily rate including 2 person crew and probe unit (assumes 8 hours on-site): | \$990 /day                               | 6                 | \$5,940.00           |
| Overtime rate (including 2 person crew and probe unit):                      | \$150 /hr                                | 12                | \$1,800.00           |
| Sampling charge for soils:                                                   | \$15 /sample                             | 6                 | \$90.00              |
| Sampling charge for groundwater:                                             | \$15 /sample                             | 45                | \$675.00             |
| Mob/demob (ls):                                                              | No charge                                | -                 | \$0.00               |
| Per diem (per manday)                                                        | No charge                                | -                 | \$0.00               |
| <b>Subcontract Total:</b>                                                    |                                          |                   | <b>\$8,505.00</b>    |
| <b>Subcontract Management Fee:</b>                                           |                                          |                   | <b>\$425.25</b>      |

NOTE: A subcontract management fee of 5% will be allowed on total subcontracts over \$10,000 subject to the terms specified in the management fee protocol.

## SCHEDULE 2.11(f)

**UNIT PRICE SUBCONTRACTS**  
**Work Assignment Number D002676-12B-1**  
**HOPPER/MAIN ST. SITE #130043J**

|                                   |                                 |                          |                  |
|-----------------------------------|---------------------------------|--------------------------|------------------|
| <b>NAME OF SUBCONTRACTOR</b>      | <b>SERVICES TO BE PERFORMED</b> | <b>SUBCONTRACT PRICE</b> | <b>MGMT. FEE</b> |
| 3. Inchcape Testing Lab (Aquatec) | Laboratory Analysis             | \$260.00                 | \$0.00           |

| ITEM                               | METHOD    | \$ MAX REIMBURSEMENT<br>RATE (Specify Unit) | EST. NO.<br>OF UNITS | TOTAL<br>EST. COST (\$) |
|------------------------------------|-----------|---------------------------------------------|----------------------|-------------------------|
| <b>TASK 4.3 GW Probes</b>          |           |                                             |                      |                         |
| VOCs                               | 8010/8020 | \$130 /ea                                   | 2                    | \$260.00                |
| <b>SUBTOTAL:</b>                   |           |                                             |                      | \$260.00                |
| <b>Subcontract Subtotal:</b>       |           |                                             |                      | \$260.00                |
| <b>Subcontract Management Fee:</b> |           |                                             |                      | \$0.00                  |

NOTE: A subcontract management fee of 5% will be allowed on total subcontracts over \$10,000 subject to the terms specified in the management fee protocol.



ENGINEER: Lawler, Matusky & Skelly Engineers LLP  
 CONTRACT No.: D002676  
 PROJECT NAME: Hopper/Main St. Site  
 WORK ASSIGNMENT No.: D002676-12B-1

SCHEDULE 2.11(g) - SUPPLEMENTAL  
 COST CONTROL REPORT  
 SUBCONTRACTOR

PAGE: 3 of 3  
 DATE PREPARED: 15 Aug 96  
 BILLING PERIOD:  
 INVOICE No.:  
 CAP No.:

| SUBCONTRACT<br>NAME                      | A<br>SUBCONTRACT<br>COST CLAIMED<br>THIS APPLICATION<br>INCLUDING<br>RESUBMITTALS | B<br>SUBCONTRACT<br>COST APPROVED<br>FOR PAYMENT<br>ON PREVIOUS<br>APPLICATIONS | C<br>TOTAL<br>SUBCONTRACT<br>COSTS<br>TO DATE<br>(A PLUS B) | D<br>SUBCONTRACT<br>APPROVED<br>BUDGET | E                           |  | F                         |  | G<br>TOTAL COSTS<br>TO DATE<br>(C PLUS F) |
|------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------|-----------------------------|--|---------------------------|--|-------------------------------------------|
|                                          |                                                                                   |                                                                                 |                                                             |                                        | MANAGEMENT<br>FEE<br>BUDGET |  | MANAGEMENT<br>FEE<br>PAID |  |                                           |
| 1. Zebra                                 | 0.00                                                                              | 0.00                                                                            | 0.00                                                        | 8,505.00                               | 425.25                      |  | 0.00                      |  | 0.00                                      |
| 2. Commonwealth (Mobile Lab)             | 0.00                                                                              | 0.00                                                                            | 0.00                                                        | 7,183.00                               | 359.15                      |  | 0.00                      |  | 0.00                                      |
| 3. Inchtape Testing Laboratory (Aquatec) | 0.00                                                                              | 0.00                                                                            | 0.00                                                        | 260.00                                 | 0.00                        |  | 0.00                      |  | 0.00                                      |
| 4. Marsden Reproduction                  | 0.00                                                                              | 0.00                                                                            | 0.00                                                        | 687.00                                 | 0.00                        |  | 0.00                      |  | 0.00                                      |
| <b>TOTALS:</b>                           | 0.00                                                                              | 0.00                                                                            | 0.00                                                        | 16,635.00                              | 784.40                      |  | 0.00                      |  | 0.00                                      |

Project Manager: \_\_\_\_\_

Date: \_\_\_\_\_

- Notes: (1) Costs listed in columns A, B, C & D do not include any management fee costs.  
 (2) Management fee is applicable to only properly procured, satisfactorily completed, unit price subcontracts over \$10,000.  
 (3) Total line, column G should equal line 7 (subcontractors), column D of Summary Cost Control Report.

ENGINEER: Lawler, Matusky & Skelly Engineers LLP

CONTRACT No.: D002676

PROJECT NAME: Hopper/Main 31 Site

WORK ASSIGN. No.: D002676-12B-1

SCHEDULE 2.11(h)

DATE PREPARED: 15 Aug 96

BILLING PERIOD:

INVOICE No.:

## MONTHLY COST CONTROL REPORT

### SUMMARY OF LABOR HOURS

Number of Direct Labor Hours Budgeted/Expended Number of Direct Labor Hours

| LABOR<br>CLASSIFICATION | IX      |      | VIII    |      | VII     |      | VI      |      | V       |      | IV      |      | III     |       | II      |      | I       |       | WP      |      | TOTAL NO.<br>OF DIRECT<br>LABOR HRS. |       |     |
|-------------------------|---------|------|---------|------|---------|------|---------|------|---------|------|---------|------|---------|-------|---------|------|---------|-------|---------|------|--------------------------------------|-------|-----|
|                         | \$48.86 |      | \$37.56 |      | \$32.96 |      | \$30.87 |      | \$27.54 |      | \$21.54 |      | \$19.28 |       | \$17.78 |      | \$13.48 |       | \$12.66 |      |                                      |       |     |
|                         | BUD     | EXP. | BUD     | EXP. | BUD     | EXP. | BUD     | EXP. | BUD     | EXP. | BUD     | EXP. | BUD     | EXP.  | BUD     | EXP. | BUD     | EXP.  | BUD     | EXP. |                                      |       |     |
| Task 4                  | 9.0     | 0.0  | 0.0     | 0.0  | 0.0     | 0.0  | 0.0     | 0.0  | 0.0     | 0.0  | 0.0     | 15.0 | 0.0     | 145.0 | 0.0     | 44.0 | 0.0     | 134.0 | 0.0     | 18.0 | 0.0                                  | 412.0 | 0.0 |
| TOTAL HOURS:            | 9.0     | 0.0  | 0.0     | 0.0  | 0.0     | 0.0  | 0.0     | 0.0  | 0.0     | 0.0  | 0.0     | 15.0 | 0.0     | 145.0 | 0.0     | 44.0 | 0.0     | 134.0 | 0.0     | 18.0 | 0.0                                  | 412.0 | 0.0 |

NOTES:

**SCHEDULE 2.11 (a)**  
**SUMMARY OF WORK ASSIGNMENT PRICE**

Work Assignment Number D002676-12B-1

KINKEL/SYLVESTER ST. SITE #130043K

| LINE ITEM                                                         | AMOUNT (\$)                                   |
|-------------------------------------------------------------------|-----------------------------------------------|
| 1. Direct Salary Costs (Schedules 2.10 (a) and 2.11 (b))          | 13,556                                        |
| 2. Indirect Costs (Schedule (2.10 (g))                            | 21,013                                        |
| 3. Direct Non-Salary Costs (Schedules 2.10 (d,e,f) and 2.11 (c,d) | 3,641                                         |
| <b>Subcontract Costs:</b>                                         |                                               |
| <b>Name of Subcontractor</b>                                      | <b>Services to be Performed</b>               |
| 1. YEC, Inc                                                       | Survey                                        |
| 4. Total Cost-Plus-Fixed Fee Subcontracts                         | 7,362                                         |
| <b>Unit Price Subcontracts (Schedule 2.10 (f) and 2.11 (f))</b>   |                                               |
| <b>Name of Subcontractor</b>                                      | <b>Services to be Performed</b>               |
| 1. Zebra Environmental                                            | Drilling, soil sampling and well installation |
| 2. Commonwealth Analytical                                        | Mobile Laboratory                             |
| 3. Inchcape Testing Lab (Aquatec)                                 | Laboratory Analysis                           |
| 4. Marsden Reproduction                                           | Reproduction                                  |
| 5. Mr. Electric Service (MBE)                                     | Electrical work                               |
| 6. Spiegel Associates                                             | Lease space for trailer                       |
| 7. Technical Editor (M.L. Pinkhsm (WBE))                          | Technical Editor                              |
| 8. Sub-Surface Informational Surveys, Inc.                        | GPR Services                                  |
| 9. Cassone Trailer                                                | Trailer Rental                                |
| 5. Total Unit Price Subcontracts                                  | 17,669                                        |
| 6. Subcontract Management Fee (Schedule 2.11(f))                  | 685                                           |
| 7. Total Subcontract Costs (lines 4 + 5)                          | 25,031                                        |
| 8. Fixed Fee (Schedule 2.10 (h))                                  | 3,211                                         |
| 9. Total Work Assignment Price (lines 1 + 2 + 3 + 6 + 7)          | 67,137                                        |

ENGINEER/CONTRACT No.: Lawler, Matusky & Skelly Engineers LLP  
 PROJECT NAME: Kinkel/Sylvester St. Site #130043K  
 WORK ASSIGNMENT No.: 02676-12B-1

DATE PREPARED: 15 Aug 96

**SCHEDULE 2.11(b-1)**  
**DIRECT ADMINISTRATIVE LABOR HOURS BUDGETED**

| NSPE LABOR<br>CLASSIFICATION | IX          | VIII        | VII         | VI          | V           | IV          | III         | II           | I           | WP          | TOTAL No.<br>OF DIRECT<br>ADMINISTRATIVE<br>LABOR HOURS<br>BUDGETED |
|------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|---------------------------------------------------------------------|
| Task 1                       | 0.00        | 0.00        | 2.25        | 0.00        | 0.00        | 0.00        | 0.50        | 7.50         | 0.00        | 0.00        | 10.25                                                               |
| Task 2                       | 1.00        | 0.00        | 5.25        | 0.00        | 0.50        | 0.00        | 1.50        | 1.50         | 0.25        | 1.25        | 11.25                                                               |
| Task 3                       | 0.00        | 0.00        | 2.25        | 0.00        | 0.00        | 0.00        | 0.00        | 1.50         | 0.50        | 0.00        | 4.25                                                                |
| <b>TOTAL HOURS:</b>          | <b>1.00</b> | <b>0.00</b> | <b>9.75</b> | <b>0.00</b> | <b>0.50</b> | <b>0.00</b> | <b>2.00</b> | <b>10.50</b> | <b>0.75</b> | <b>1.25</b> | <b>25.75</b>                                                        |

Contract/Project administrative hours would include but not necessarily be limited to the following activities:

1. Work Plan Development
  - Conflict of Interest Check
  - Develop of budget schedules and supporting documentation
2. Review work assignment (WA) progress
  - Conduct progress reviews
  - Prepare monthly project report
  - Update WA progress schedule
  - Prepare monthly M/WBE Utilization Report
  - Review work assignment costs
  - Prepare monthly cost control report
  - Cost control reviews

4. CAP Preparation
  - Oversee and prepare monthly CAP
  - Respond to payment issues/disallowances
  - NSPE list updates
  - Equipment Inventory
5. Manage subcontracts
6. Implement and manage program management and staffing plans
7. Conduct Health and Safety Reviews
8. Word processing and graphic artists
9. Report editing

Contract/Project administration hours would NOT include activities such as:

1. QA/QC reviews
2. Technical oversight by management
3. Develop subcontracts
4. Work plan development
5. Review of deliverables

## SCHEDULE 2.11(e)

**COST-PLUS FIXED FEE SUBCONTRACTS**

Work Assignment Number D002676-12B-1

KINKEL/SYLVESTER ST. SITE #130043K

| NAME OF SUBCONTRACTOR | SERVICES TO BE PERFORMED | SUBCONTRACT PRICE |
|-----------------------|--------------------------|-------------------|
| 1. YEC, Inc           | Survey                   | \$7,361.96        |

**A. Direct Salary Costs**

| PROFESSIONAL RESPONSIBILITY LEVEL | LABOR CLASS. | MAXIMUM REIMB. RATE (\$/hr) | ESTIMATED NUMBER OF HOURS | TOTAL ESTIMATED DIRECT SALARY COST (\$) |
|-----------------------------------|--------------|-----------------------------|---------------------------|-----------------------------------------|
| Principal                         | VIII         | 42.39                       | 3                         | \$127.17                                |
| Sr Geologist/Scientist/Eng.       | V            | 33.35                       | 14                        | \$466.90                                |
| Licensed Surveyor/Staff           |              |                             |                           |                                         |
| Geo./Sci./Eng.                    | IV           | 27.88                       | 10                        | \$278.80                                |
| Staff Geo./Sci./                  |              |                             |                           |                                         |
| Eng./Sr Draftsperson              | III          | 20.91                       | 10                        | \$209.10                                |
| Sr. Tech./Staff Eng./Sci./Geo.    | II           | 16.78                       | 98                        | \$1,644.44                              |
| <b>TOTAL DIRECT SALARY COSTS:</b> |              |                             |                           | <b>\$2,726.41</b>                       |

**FOOTNOTES:**

- 1 - These rates will be held firm until October 31, 1995.
- 2 - Reimbursement will be limited to the lesser of either the individuals actual hourly rate or the maximum rate for each labor category.
- 3 - Reimbursement will be limited to the maximum reimbursement rate for the professional responsibility level of the actual work performed.
- 4 - Only those labor classifications indicated with an asterisk will be entitled to overtime.
- 5 - Reimbursement for technical time of principals, owners and officers will be limited to the maximum maximum reimbursement rate of that labor category, the actual hourly labor rate paid, or the Federal GS-18 rate, whichever is lower.
- 6 - The maximum rates in each labor category can be modified only by mutual written agreement and approved by both the Department and the Comptroller.
- 7 - This footnote applies to Schedules for years 4 thru 7 only. If the U.S. cost-of-living index increases at a rate greater than 6% compounded annually, the maximum salary rates will be subject to renegotiation for future years of the contract.

## SCHEDULE 2.11(f)

**UNIT PRICE SUBCONTRACTS**

Work Assignment Number D002676-12B-1  
KINKEL/SYLVESTER ST. SITE #130043K

| NAME OF SUBCONTRACTOR  | SERVICES TO BE PERFORMED                      | SUBCONTRACT PRICE | MGMT. FEE |
|------------------------|-----------------------------------------------|-------------------|-----------|
| 1. Zebra Environmental | Drilling, soil sampling and well installation | \$7,025.62        | \$351.28  |

| ITEM                                                                         | \$ MAX REIMBURSEMENT RATE (Specify Unit) | EST. NO. OF UNITS | TOTAL EST. COST (\$) |
|------------------------------------------------------------------------------|------------------------------------------|-------------------|----------------------|
| <b>TASK 2.6 GW Probes</b>                                                    |                                          |                   |                      |
| Daily rate including 2 person crew and probe unit (assumes 8 hours on-site): | \$990 /day                               | 5.33901           | \$5,285.62           |
| Overtime rate (including 2 person crew and probe unit):                      | \$150 /hr                                | 6                 | \$900.00             |
| Sampling charge for soils:                                                   | \$15 /sample                             | 11                | \$165.00             |
| Sampling charge for groundwater:                                             | \$15 /sample                             | 45                | \$675.00             |
| Mob/demob (Is):                                                              | No charge                                | -                 | \$0.00               |
| Per diem (per manday)                                                        | No charge                                | -                 | \$0.00               |
| Soil conductivity logging*:                                                  | No charge                                | 2                 | \$0.00               |
| <b>Subcontract Total:</b>                                                    |                                          |                   | <b>\$7,025.62</b>    |
| <b>Subcontract Management Fee:</b>                                           |                                          |                   | <b>\$351.28</b>      |

NOTE: A subcontract management fee of 5% will be allowed on total subcontracts over \$10,000 subject to the terms specified in the management fee protocol.

## SCHEDULE 2.11(f)

**UNIT PRICE SUBCONTRACTS**  
**Work Assignment Number D002676-12B-1**  
**KINKEL/SYLVESTER ST. SITE #130043K**

| NAME OF SUBCONTRACTOR             | SERVICES TO BE PERFORMED | SUBCONTRACT PRICE | MGMT. FEE |
|-----------------------------------|--------------------------|-------------------|-----------|
| 3. Inchcape Testing Lab (Aquatec) | Laboratory Analysis      | \$378.35          | \$0.00    |

| ITEM                               | METHOD    | \$ MAX REIMBURSEMENT<br>RATE (Specify Unit) | EST. NO.<br>OF UNITS | TOTAL<br>EST. COST (\$) |
|------------------------------------|-----------|---------------------------------------------|----------------------|-------------------------|
| <b>TASK 2.4 SWL Survey</b>         |           |                                             |                      |                         |
| VOCs                               | 8010/8020 | \$90 /ea                                    | 4.203888889          | \$378.35                |
| <b>SUBTOTAL:</b>                   |           |                                             |                      | <b>\$378.35</b>         |
| <b>Subcontract Subtotal:</b>       |           |                                             |                      | <b>\$378.35</b>         |
| <b>Subcontract Management Fee:</b> |           |                                             |                      | <b>\$0.00</b>           |

NOTE: A subcontract management fee of 5% will be allowed on total subcontracts over \$10,000 subject to the terms specified in the management fee protocol.

\* - The minimum daily rate will apply if LMS is unable to provide a specified number of samples (10 per day).

## SCHEDULE 2.11(f)

**UNIT PRICE SUBCONTRACTS**  
**Work Assignment Number D002676-12B-1**  
**KINKEL/SYLVESTER ST. SITE #130043K**

| NAME OF SUBCONTRACTOR         | SERVICES TO BE PERFORMED | SUBCONTRACT PRICE | MGMT. FEE |
|-------------------------------|--------------------------|-------------------|-----------|
| 5. Mr. Electric Service (MBE) | Electrical work          | \$338.75          | \$0.00    |

| ITEM                               | \$ MAX REIMBURSEMENT<br>RATE (Specify Unit) | EST. NO.<br>OF UNITS | TOTAL<br>EST. COST (\$) |
|------------------------------------|---------------------------------------------|----------------------|-------------------------|
| <b>TASK 2.2 Mob/Demob</b>          |                                             |                      |                         |
| Power hook-up                      | \$1,355 /ls                                 | 0.25                 | \$339                   |
| <b>Subcontract Total:</b>          |                                             |                      | <b>\$338.75</b>         |
| <b>Subcontract Management Fee:</b> |                                             |                      | <b>\$0.00</b>           |

NOTE: A subcontract management fee of 5% will be allowed on total subcontracts over \$10,000 subject to the terms specified in the management fee protocol.

## SCHEDULE 2.11(f)

**UNIT PRICE SUBCONTRACTS**  
**Work Assignment Number D002676-12B-1**  
**KINKEL/SYLVESTER ST. SITE #130043K**

| NAME OF SUBCONTRACTOR                    | SERVICES TO BE PERFORMED | SUBCONTRACT PRICE | MGMT. FEE |
|------------------------------------------|--------------------------|-------------------|-----------|
| 7. Technical Editor (M.L. Pinkhsm (WBE)) | Technical Editor         | \$0.00            | \$0.00    |

| ITEM                               | \$ MAX REIMBURSEMENT<br>RATE (Specify Unit) | EST. NO.<br>OF UNITS | TOTAL<br>EST. COST (\$) |
|------------------------------------|---------------------------------------------|----------------------|-------------------------|
| <b>TASK 3.1 Draft Report</b>       |                                             |                      |                         |
| Editorial services                 | \$35 /hr                                    | 0                    | \$0.00                  |
| <b>Subcontract Total:</b>          |                                             |                      | \$0.00                  |
| <b>Subcontract Management Fee:</b> |                                             |                      | \$0.00                  |

NOTE: A subcontract management fee of 5% will be allowed on total subcontracts over \$10,000 subject to the terms specified in the management fee protocol.

## SCHEDULE 2.11(f)

**UNIT PRICE SUBCONTRACTS**  
**Work Assignment Number D002676-12B-1**  
**KINKEL/SYLVESTER ST. SITE #130043K**

| NAME OF SUBCONTRACTOR | SERVICES TO BE PERFORMED | SUBCONTRACT PRICE | MGMT. FEE |
|-----------------------|--------------------------|-------------------|-----------|
| 9. Cassone Trailer    | Trailer Rental           | \$288.25          | \$0.00    |

| ITEM                               | \$ MAX REIMBURSEMENT<br>RATE (Specify Unit) | EST. NO.<br>OF UNITS | TOTAL<br>EST. COST (\$) |
|------------------------------------|---------------------------------------------|----------------------|-------------------------|
| <b>TASK 2.2 Mob/Demob</b>          |                                             |                      |                         |
| Trailer rental (mobile office)     | \$278 /mn                                   | 0.25                 | \$69.50                 |
| Delivery                           | \$150 /ls                                   | 0.25                 | \$37.50                 |
| Return                             | \$150 /ls                                   | 0.25                 | \$37.50                 |
| Road permit                        | \$85 /ls                                    | 0.25                 | \$21.25                 |
| Knockdown/level                    | \$125 /ls                                   | 0.25                 | \$31.25                 |
| Stairs                             | \$25 /mn                                    | 0.50                 | \$12.50                 |
| Security package (window/door)     | \$35 /ls                                    | 2.25                 | \$78.75                 |
| <b>SUBTOTAL:</b>                   |                                             |                      | <b>\$288.25</b>         |
| <b>Subcontract Total:</b>          |                                             |                      | <b>\$288.25</b>         |
| <b>Subcontract Management Fee:</b> |                                             |                      | <b>\$0.00</b>           |

NOTE: A subcontract management fee of 5% will be allowed on total subcontracts over \$10,000 subject to the terms specified in the management fee protocol.

DATE PREPARED: 15 Aug 96  
BILLING PERIOD:  
INVOICE No.:  
CAP No.:

MONTHLY COST CONTROL REPORT  
SUMMARY OF FISCAL INFORMATION

PROJECT NAME: Kinkel/Sylvester St. Site #130043K  
WORK ASSIGNMENT No.: D002676-12B-1  
TASK No./NAME: Task 1  
COMPLETE: 56%

| EXPENDITURE CATEGORY                          | A<br>COST CLAIMED THIS PERIOD | B<br>PAID TO DATE | C<br>TOTAL DISALLOWED TO DATE | D<br>TOTAL COSTS PAID TO DATE (A+B) | E<br>ESTIMATED COSTS TO COMPLETION | F<br>ESTIMATED TOTAL WORK ASSIGNMENT PRICE (A+B+E) | G<br>APPROVED BUDGET | H<br>ESTIMATED UNDER/OVER (G-F) |
|-----------------------------------------------|-------------------------------|-------------------|-------------------------------|-------------------------------------|------------------------------------|----------------------------------------------------|----------------------|---------------------------------|
| 1. Direct Salary Costs:                       | 0.00                          | 769.80            | (675.51)                      | 769.80                              | 675.57                             | 1,445.37                                           | 1,445.37             | 0.00                            |
| 2. Indirect Salary Costs (1.55):              | 0.00                          | 1,168.96          | (1,024.87)                    | 1,168.96                            | 1,071.37                           | 2,240.32                                           | 2,240.32             | 0.00                            |
| 3. Subtotal Direct Salary and Indirect Costs: | 0.00                          | 1,938.76          | (1,700.38)                    | 1,938.76                            | 1,746.94                           | 3,685.69                                           | 3,685.69             | 0.00                            |
| 4. Travel:                                    | 0.00                          | 0.00              | (0.46)                        | 0.00                                | 0.00                               | 0.00                                               | 0.00                 | 0.00                            |
| 5. Other Non-Salary Costs:                    |                               |                   |                               |                                     |                                    |                                                    |                      |                                 |
| Material Costs:                               | 0.00                          | 96.38             | (8.69)                        | 96.38                               | 0.00                               | 96.38                                              | 96.38                | (0.00)                          |
| Equipment Costs:                              | 0.00                          | 0.00              | 0.00                          | 0.00                                | 0.00                               | 0.00                                               | 0.00                 | 0.00                            |
| 6. Subtotal Direct Non-Salary Costs:          | 0.00                          | 96.38             | (9.15)                        | 96.38                               | 0.00                               | 96.38                                              | 96.38                | (0.00)                          |
| 7. Subs:                                      |                               |                   |                               |                                     |                                    |                                                    |                      |                                 |
| Subconsultants:                               |                               |                   |                               |                                     |                                    |                                                    |                      |                                 |
| Subcontractors:                               |                               |                   |                               |                                     |                                    |                                                    |                      |                                 |
| 8. Total Work Assignment Costs:               | 0.00                          | 2,035.14          | (1,709.52)                    | 2,035.14                            | 1,746.94                           | 3,782.07                                           | 3,782.07             | (0.00)                          |
| 9. Fees:                                      |                               |                   |                               |                                     |                                    |                                                    |                      |                                 |
| Fixed Fee:                                    | 0.00                          | 193.89            | 0.00                          | 193.89                              | 0.00                               | 193.89                                             | 193.88               | (0.01)                          |
| Management Fee:                               | 0.00                          | 0.00              | 0.00                          | 0.00                                | 0.00                               | 0.00                                               | 0.00                 | 0.00                            |
| 10. Total Work Assignment Price:              | 0.00                          | 2,229.03          | (1,709.52)                    | 2,229.03                            | 1,746.94                           | 3,975.96                                           | 3,975.95             | (0.01)                          |

Project Manager (Engineer):

Date:

CONTRACT No.: D002676  
 PROJECT NAME: Kinkel/Sylvester St. Site #130043  
 WORK ASSIGNMENT No.: D002676-12B-1  
 TASK No./NAME: Task 3  
 COMPLETE: 89%

DATE PREPARED: 15 Aug 96  
 BILLING PERIOD:  
 INVOICE No.:  
 CAP No.:

# MONTHLY COST CONTROL REPORT

## SUMMARY OF FISCAL INFORMATION

| EXPENDITURE CATEGORY                          | A<br>COST CLAIMED THIS PERIOD | B<br>PAID TO DATE | C<br>TOTAL DISALLOWED TO DATE | D<br>TOTAL COSTS PAID TO DATE (A+B) | E<br>ESTIMATED COSTS TO COMPLETION | F<br>ESTIMATED TOTAL WORK ASSIGNMENT PRICE (A+B+E) | G<br>APPROVED BUDGET | H<br>ESTIMATED UNDER/OVER (G-F) |
|-----------------------------------------------|-------------------------------|-------------------|-------------------------------|-------------------------------------|------------------------------------|----------------------------------------------------|----------------------|---------------------------------|
| 1. Direct Salary Costs:                       | 0.00                          | 4,482.73          | 0.00                          | 4,482.73                            | 14.05                              | 4,496.78                                           | 4,496.78             | 0.00                            |
| 2. Indirect Salary Costs (1.55):              | 0.00                          | 6,804.78          | 0.00                          | 6,804.78                            | 165.22                             | 6,970.00                                           | 6,970.00             | 0.00                            |
| 3. Subtotal Direct Salary and Indirect Costs: | 0.00                          | 11,287.51         | 0.00                          | 11,287.51                           | 179.27                             | 11,466.78                                          | 11,466.78            | 0.00                            |
| 4. Travel:                                    | 0.00                          | 0.00              | 0.00                          | 0.00                                | 51.00                              | 51.00                                              | 51.00                | 0.00                            |
| 5. Other Non-Salary Costs:                    |                               |                   |                               |                                     |                                    |                                                    |                      |                                 |
| Material Costs:                               | 0.00                          | 203.12            | 0.00                          | 203.12                              | 125.01                             | 328.13                                             | 328.13               | 0.00                            |
| Equipment Costs:                              | 0.00                          | 0.00              | 0.00                          | 0.00                                | 0.00                               | 0.00                                               | 0.00                 | 0.00                            |
| 6. Subtotal Direct Non-Salary Costs:          | 0.00                          | 203.12            | 0.00                          | 203.12                              | 176.01                             | 379.13                                             | 379.13               | 0.00                            |
| 7. Subs:                                      |                               |                   |                               |                                     |                                    |                                                    |                      |                                 |
| Subconsultants:                               |                               |                   |                               |                                     |                                    |                                                    |                      |                                 |
| Subcontractors:                               |                               |                   |                               |                                     |                                    |                                                    |                      |                                 |
| Marsden Reproduction                          | 0.00                          | 0.00              | 0.00                          | 0.00                                | 806.00                             | 806.00                                             | 806.00               | 0.00                            |
| Technical Editor M.L. Pinkham                 | 0.00                          | 0.00              | 0.00                          | 0.00                                | 0.00                               | 0.00                                               | 0.00                 | 0.00                            |
| 8. Total Work Assignment Costs:               | 0.00                          | 11,490.63         | 0.00                          | 11,490.63                           | 1,161.28                           | 12,651.91                                          | 12,651.91            | 0.00                            |
| 9. Fees:                                      |                               |                   |                               |                                     |                                    |                                                    |                      |                                 |
| Fixed Fee:                                    | 0.00                          | 751.60            | 0.00                          | 751.60                              | 380.76                             | 1,132.36                                           | 1,132.36             | 0.00                            |
| Management Fee:                               | 0.00                          | 0.00              | 0.00                          | 0.00                                | 0.00                               | 0.00                                               | 0.00                 | 0.00                            |
| 10. Total Work Assignment Price:              | 0.00                          | 12,242.23         | 0.00                          | 12,242.23                           | 1,542.03                           | 13,784.26                                          | 13,784.26            | 0.00                            |

Project Manager (Engineer):

Date:

ENGINEER: Lawler, Matusky & Skelly Engineers LLP

CONTRACT No.: D002676

PROJECT NAME: Kinkel/Sylvester St. Site #130043K

WORK ASSIGN. No.: D002676-12B-1

SCHEDULE 2.11(h)

DATE PREPARED: 15 Aug 96

BILLING PERIOD:

INVOICE No.:

## MONTHLY COST CONTROL REPORT

### SUMMARY OF LABOR HOURS

Number of Direct Labor Hours Expended to Date/Estimated Number of Direct Labor Hours to Completion

| LABOR<br>CLASSIFICATION | IX   |       | VIII |       | VII  |       | VI   |       | V    |       | IV   |       | III  |       | II   |       | I    |       | WP   |       | TOTAL NO.<br>OF DIRECT<br>LABOR HRS. |       |
|-------------------------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|--------------------------------------|-------|
|                         | EXP. | /EST. | EXP. | /EST. | EXP. | /EST. | EXP. | /EST. | EXP. | /EST. | EXP. | /EST. | EXP. | /EST. | EXP. | /EST. | EXP. | /EST. | EXP. | /EST. | EXP.                                 | /EST. |
| Task 1                  | 0.0  | 1.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0                                  | 63.0  |
| Task 2                  | 0.0  | 3.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0                                  | 376.0 |
| Task 3                  | 0.0  | 2.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0                                  | 204.8 |
| TOTAL HOURS:            | 0.0  | 6.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0                                  | 643.8 |

NOTES:

**LABOR HOURS AND COSTS**  
**TASK SUMMARY**  
**KINKEL/SYLVESTER ST. SITE #130043K**

| NSPE/ASCE<br>LABOR CLASS         | 1995 HOURLY RATE (\$) | TASK 1: 1995 RATES | TASK 2: 1995 RATES | TASK 3: 1996 RATES | TASK 4: 1995 RATES | TOTAL<br>HOURS | SUBTOTAL (\$) |
|----------------------------------|-----------------------|--------------------|--------------------|--------------------|--------------------|----------------|---------------|
| IX                               | 54.38                 | 1.00               | 3.00               | 2.00               | 0.00               | 6.00           | 332.280       |
| VIII                             | 41.81                 | 0.00               | 0.00               | 0.00               | 0.00               | 0.00           | 0.000         |
| VII                              | 38.70                 | 7.00               | 43.50              | 22.75              | 0.00               | 73.25          | 2,732.765     |
| VI                               | 34.36                 | 0.00               | 0.00               | 0.00               | 0.00               | 0.00           | 0.000         |
| V                                | 30.65                 | 0.50               | 0.50               | 0.00               | 0.00               | 1.00           | 30.650        |
| IV                               | 23.97                 | 0.00               | 0.00               | 0.00               | 0.00               | 0.00           | 0.000         |
| III                              | 21.47                 | 10.50              | 1.50               | 0.00               | 0.00               | 12.00          | 257.640       |
| II                               | 20.88                 | 39.00              | 125.50             | 93.50              | 0.00               | 258.00         | 5,493.630     |
| I                                | 15.83                 | 5.00               | 196.25             | 85.50              | 0.00               | 286.75         | 4,613.638     |
| WP                               | 14.87                 | 0.00               | 5.75               | 1.00               | 0.00               | 6.75           | 95.888        |
| <b>TOTAL UNITS:</b>              |                       | 63.00              | 376.00             | 204.75             | 0.00               | 643.75         |               |
| <b>DIRECT SALARY COSTS (\$):</b> |                       | 1,445.370          | 7,614.345          | 4,496.775          | 0.000              |                | 13,556.490    |
| <b>INDIRECT SALARY</b>           |                       |                    |                    |                    |                    |                |               |
| OSTS (\$):                       | 1.55                  | 2,240.324          | 11,802.235         | 6,970.001          | 0.000              |                | 21,012.560    |
| SUBTOTAL (\$):                   |                       | 3,685.694          | 19,416.580         | 11,466.776         | 0.000              |                | 34,569.050    |
| FIXED FEE (\$):                  | 0.10                  | 193.880            | 1,894.737          | 1,132.357          | 0.000              |                | 3,210.975     |
| MATERIAL COSTS (\$):             |                       | 96.375             | 728.400            | 328.130            | 0.000              |                | 1,152.905     |
| TRAVEL COSTS (\$):               |                       | 0.000              | 2,136.576          | 51.000             | 0.000              |                | 2,187.576     |
| FIELD EQUIPMENT (\$):            |                       | 0.000              | 301.000            | 0.000              | 0.000              |                | 301.000       |
| SUBS (\$):                       |                       | 0.000              | 24,225.428         | 806.000            | 0.000              |                | 25,031.428    |
| MGMT FEE (\$):                   | 0.05                  | 0.000              | 684.531            | 0.000              | 0.000              |                | 684.531       |
| <b>TOTAL (\$):</b>               |                       | 3,975.949          | 49,377.252         | 13,784.264         | 0.000              |                | 67,137.465    |

**SCHEDULE 2.11 (a)**  
**SUMMARY OF WORK ASSIGNMENT PRICE**  
**Work Assignment Number D002676-12B-1**  
**EZ-EM SITE #130043N**

| LINE ITEM                                                          | AMOUNT (\$)                     |
|--------------------------------------------------------------------|---------------------------------|
| 1. Direct Salary Costs (Schedules 2.10 (a) and 2.11 (b))           | 6,305                           |
| 2. Indirect Costs (Schedule (2.10 (g)))                            | 9,773                           |
| 3. Direct Non-Salary Costs (Schedules 2.10 (d,e,f) and 2.11 (c,d)) | 2,963                           |
| <b>Subcontract Costs:</b>                                          |                                 |
| <b>Name of Subcontractor</b>                                       | <b>Services to be Performed</b> |
| 1. YEC, Inc                                                        | Professional Services           |
| 4. Total Cost-Plus-Fixed Fee Subcontracts                          | 1,859                           |
| <b>Unit Price Subcontracts (Schedule 2.10 (f) and 2.11 (f))</b>    |                                 |
| <b>Name of Subcontractor</b>                                       | <b>Services to be Performed</b> |
| 1. Zebra Environmental                                             | Geoprobe                        |
|                                                                    | GW & Soil Sampling              |
| 2. Commonwealth Analytical                                         | Mobile Laboratory               |
| 3. Inchcape Testing Lab (Aquatec)                                  | Laboratory Analysis             |
| 4. Marsden Reproduction                                            | Reproduction                    |
| 5. Total Unit Price Subcontracts                                   | 12,095                          |
| 6. Subcontract Management Fee (Schedule 2.11(f))                   | 557                             |
| 7. Total Subcontract Costs (lines 4 + 5)                           | 13,954                          |
| 8. Fixed Fee (Schedule 2.10 (h))                                   | 1,608                           |
| 9. Total Work Assignment Price (lines 1 + 2 + 3 + 6 + 7)           | 35,160                          |

ENGINEER/CONTRACT No.: Lawler, Matusky &amp; Skelly Engineers LLP

PROJECT NAME: EZ-EM Site

WORK ASSIGNMENT No.: 02676-12B-1

DATE PREPARED: 15 Aug 96

**SCHEDULE 2.11(b-1)**  
**DIRECT ADMINISTRATIVE LABOR HOURS BUDGETED**

| NSPE LABOR<br>CLASSIFICATION | IX         | VIII       | VII        | VI         | V          | IV         | III        | II         | I          | WP         | TOTAL No.<br>OF DIRECT<br>ADMINISTRATIVE<br>LABOR HOURS<br>BUDGETED |
|------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|---------------------------------------------------------------------|
|                              |            |            |            |            |            |            |            |            |            |            |                                                                     |
| Task 4                       | 0.0        | 0.0        | 3.0        | 0.0        | 0.0        | 0.0        | 3.0        | 0.0        | 3.0        | 1.0        | 10.0                                                                |
| <b>TOTAL HOURS:</b>          | <b>0.0</b> | <b>0.0</b> | <b>3.0</b> | <b>0.0</b> | <b>0.0</b> | <b>0.0</b> | <b>3.0</b> | <b>0.0</b> | <b>3.0</b> | <b>1.0</b> | <b>10.0</b>                                                         |

Contract/Project administrative hours would include but not necessarily be limited to the following activities:

1. Work Plan Development
  - Conflict of Interest Check
  - Develop of budget schedules and supporting documentation
2. Review work assignment (WA) progress
  - Conduct progress reviews
  - Prepare monthly project report
  - Update WA progress schedule
3. Review work assignment costs
  - Prepare monthly cost control report
  - Cost control reviews

4. CAP Preparation
  - Oversee and prepare monthly CAP
  - Respond to payment issues/disallowances
  - NSPE list updates
  - Equipment Inventory
5. Manage subcontracts
6. Implement and manage program management and staffing plans
7. Conduct Health and Safety Reviews
8. Word processing and graphic artists
9. Report editing

Contract/Project administration hours would NOT include activities such as:

1. QA/Qc reviews
2. Technical oversight by management
3. Develop subcontracts
4. Work plan development
5. Review of deliverables

## SCHEDULE 2.11(e)

**COST-PLUS FIXED FEE SUBCONTRACTS**

Work Assignment Number D002676-12B-1

EZ-EM SITE #130043N

| NAME OF SUBCONTRACTOR | SERVICES TO BE PERFORMED | SUBCONTRACT PRICE |
|-----------------------|--------------------------|-------------------|
| 1. YEC, Inc           | Professional Services    | \$1,859.41        |

**A. Direct Salary Costs**

| PROFESSIONAL RESPONSIBILITY LEVEL         | LABOR CLASS. | MAXIMUM REIMB. RATE (\$/hr) | ESTIMATED NUMBER OF HOURS | TOTAL ESTIMATED DIRECT SALARY COST (\$) |
|-------------------------------------------|--------------|-----------------------------|---------------------------|-----------------------------------------|
| Principal                                 | VIII         | 44.94                       | 2                         | \$89.88                                 |
| Sr Geologist/Scientist/Eng.               | V            | 35.36                       | 0                         | \$0.00                                  |
| Licensed Surveyor/Staff<br>Geo./Sci./Eng. | IV           | 29.55                       | 0                         | \$0.00                                  |
| Staff Geo./Sci./<br>Eng./Sr Draftsperson  | III          | 22.16                       | 10                        | \$221.60                                |
| Sr. Tech./Staff Eng./Sci./Geo.            | II           | 17.79                       | 20                        | \$355.80                                |
| Technician/Draftsperson                   | I            | 14.28                       | 0                         | \$0.00                                  |
| <b>TOTAL DIRECT SALARY COSTS:</b>         |              |                             |                           | <b>\$667.28</b>                         |

**FOOTNOTES:**

- 1 - These rates will be held firm until October 31, 1996.
- 2 - Reimbursement will be limited to the lesser of either the individuals actual hourly rate or the maximum rate for each labor category.
- 3 - Reimbursement will be limited to the maximum reimbursement rate for the professional responsibility level of the actual work performed.
- 4 - Only those labor classifications indicated with an asterix will be entitled to overtime.
- 5 - Reimbursement for technical time of principals, owners and officers will be limited to the maximum maximum reimbursement rate of that labor category, the actual hourly labor rate paid, or the Federal GS-18 rate, whichever is lower.
- 6 - The maximum rates in each labor category can be modified only by mutual written agreement and approved by both the Department and the Comptroller.
- 7 - This footnote applies to Schedules for years 4 thru 7 only. If the U.S. cost-of-living index increases at a rate greater than 6% compounded annually, the maximum salary rates will be subject to renegotiation for future years of the contract.

## SCHEDULE 2.11(f)

**UNIT PRICE SUBCONTRACTS**  
**Work Assignment Number D002676-12B-1**  
**EZ-EM SITE #130043N**

| NAME OF SUBCONTRACTOR  | SERVICES TO BE PERFORMED       | SUBCONTRACT PRICE | MGMT. FEE |
|------------------------|--------------------------------|-------------------|-----------|
| 1. Zebra Environmental | Geoprobe<br>GW & Soil Sampling | \$5,685.00        | \$284.25  |

| ITEM                                                                         | \$ MAX REIMBURSEMENT<br>RATE (Specify Unit) | EST. NO.<br>OF UNITS | TOTAL<br>EST. COST (\$) |
|------------------------------------------------------------------------------|---------------------------------------------|----------------------|-------------------------|
| <b>TASK 4.3 GW Probes</b>                                                    |                                             |                      |                         |
| Daily rate including 2 person crew and probe unit (assumes 8 hours on-site): | \$990 /day                                  | 4                    | \$3,960.00              |
| Overtime rate (including 2 person crew and probe unit):                      | \$150 /hr                                   | 8                    | \$1,200.00              |
| Sampling charge for soils:                                                   | \$15 /sample                                | 8                    | \$120.00                |
| Sampling charge for groundwater:                                             | \$15 /sample                                | 27                   | \$405.00                |
| Mob/demob (ls):                                                              | No charge                                   | -                    | \$0.00                  |
| Per diem (per manday)                                                        | No charge                                   | -                    | \$0.00                  |
| <b>Subcontract Total:</b>                                                    |                                             |                      | <b>\$5,685.00</b>       |
| <b>Subcontract Management Fee:</b>                                           |                                             |                      | <b>\$284.25</b>         |

NOTE: A subcontract management fee of 5% will be allowed on total subcontracts over \$10,000 subject to the terms specified in the management fee protocol.

## SCHEDULE 2.11(f)

**UNIT PRICE SUBCONTRACTS**  
**Work Assignment Number D002676-12B-1**  
**EZ-EM SITE #130043N**

|                                 |                                 |                          |                  |
|---------------------------------|---------------------------------|--------------------------|------------------|
| <b>NAME OF SUBCONTRACTOR</b>    | <b>SERVICES TO BE PERFORMED</b> | <b>SUBCONTRACT PRICE</b> | <b>MGMT. FEE</b> |
| 3. Incape Testing Lab (Aquatec) | Laboratory Analysis             | \$260.00                 | \$0.00           |

| ITEM                               | METHOD    | \$ MAX REIMBURSEMENT<br>RATE (Specify Unit) | EST. NO.<br>OF UNITS | TOTAL<br>EST. COST (\$) |
|------------------------------------|-----------|---------------------------------------------|----------------------|-------------------------|
| <b>TASK 4.3 GW Probes</b>          |           |                                             |                      |                         |
| VOCs                               | 8010/8020 | \$130 /ea                                   | 2                    | \$260.00                |
| <b>SUBTOTAL:</b>                   |           |                                             |                      | \$260.00                |
| <b>Subcontract Subtotal:</b>       |           |                                             |                      | \$260.00                |
| <b>Subcontract Management Fee:</b> |           |                                             |                      | \$0.00                  |

NOTE: A subcontract management fee of 5% will be allowed on total subcontracts over \$10,000 subject to the terms specified in the management fee protocol.

CONTRACT No.:  
 PROJECT NAME:  
 WORK ASSIGNMENT No.:  
 TASK No./NAME:  
 COMPLETE:

SCHEDULE 2 11/96

# MONTHLY COST CONTROL REPORT SUMMARY OF FISCAL INFORMATION

DATE PREPARED: 15 Aug 96  
 BILLING PERIOD:  
 INVOICE No.:  
 CAP No.:

| EXPENDITURE<br>CATEGORY                          | A                           | B               | C                               | D                                      | E                                   | F                                                          | G                  | H                                |
|--------------------------------------------------|-----------------------------|-----------------|---------------------------------|----------------------------------------|-------------------------------------|------------------------------------------------------------|--------------------|----------------------------------|
|                                                  | COST CLAIMED<br>THIS PERIOD | PAID TO<br>DATE | TOTAL<br>DISSALLOWED<br>TO DATE | TOTAL COSTS<br>PAID TO<br>DATE (A + B) | ESTIMATED<br>COSTS TO<br>COMPLETION | ESTIMATED<br>TOTAL WORK<br>ASSIGNMENT<br>PRICE (A + B + E) | APPROVED<br>BUDGET | ESTIMATED<br>UNDER/OVER<br>(G-F) |
| 1. Direct Salary Costs:                          | 0.00                        | 0.00            | 0.00                            | 0.00                                   | 6,305.05                            | 6,305.05                                                   | 6,305.05           | 0.00                             |
| 2. Indirect Salary Costs (1.55):                 | 0.00                        | 0.00            | 0.00                            | 0.00                                   | 9,772.83                            | 9,772.83                                                   | 9,772.83           | 0.00                             |
| 3. Subtotal Direct Salary<br>and Indirect Costs: | 0.00                        | 0.00            | 0.00                            | 0.00                                   | 16,077.88                           | 16,077.88                                                  | 16,077.88          | 0.00                             |
| 4. Travel:                                       | 0.00                        | 0.00            | 0.00                            | 0.00                                   | 1,814.99                            | 1,814.99                                                   | 1,814.99           | 0.00                             |
| 5. Other Non-Salary Costs:                       |                             |                 |                                 |                                        |                                     |                                                            |                    |                                  |
| Material Costs:                                  | 0.00                        | 0.00            | 0.00                            | 0.00                                   | 479.70                              | 479.70                                                     | 479.70             | 0.00                             |
| Equipment Costs:                                 | 0.00                        | 0.00            | 0.00                            | 0.00                                   | 668.00                              | 668.00                                                     | 668.00             | 0.00                             |
| 6. Subtotal Direct Non-<br>Salary Costs:         | 0.00                        | 0.00            | 0.00                            | 0.00                                   | 2,962.69                            | 2,962.69                                                   | 2,962.69           | 0.00                             |
| 7. Subs:                                         |                             |                 |                                 |                                        |                                     |                                                            |                    |                                  |
| Subconsultants:                                  |                             |                 |                                 |                                        |                                     |                                                            |                    |                                  |
| YEC, Inc.                                        | 0.00                        | 0.00            | 0.00                            | 0.00                                   | 1,859.41                            | 1,859.41                                                   | 1,859.41           | 0.00                             |
| Subcontractors:                                  |                             |                 |                                 |                                        |                                     |                                                            |                    |                                  |
| Zebra                                            | 0.00                        | 0.00            | 0.00                            | 0.00                                   | 5,685.00                            | 5,685.00                                                   | 5,685.00           | 0.00                             |
| Commonwealth (Mobile Lab)                        | 0.00                        | 0.00            | 0.00                            | 0.00                                   | 5,463.00                            | 5,463.00                                                   | 5,463.00           | 0.00                             |
| Inchcape Testing Laboratory (Aquatec)            | 0.00                        | 0.00            | 0.00                            | 0.00                                   | 260.00                              | 260.00                                                     | 260.00             | 0.00                             |
| Marsden Reproduction                             | 0.00                        | 0.00            | 0.00                            | 0.00                                   | 687.00                              | 687.00                                                     | 687.00             | 0.00                             |
| 8. Total Work Assignment Costs:                  | 0.00                        | 0.00            | 0.00                            | 0.00                                   | 32,994.98                           | 32,994.98                                                  | 32,994.98          | 0.00                             |
| 9. Fees:                                         |                             |                 |                                 |                                        |                                     |                                                            |                    |                                  |
| Fixed Fee:                                       | 0.00                        | 0.00            | 0.00                            | 0.00                                   | 1,607.79                            | 1,607.79                                                   | 1,607.79           | 0.00                             |
| Management Fee:                                  | 0.00                        | 0.00            | 0.00                            | 0.00                                   | 557.40                              | 557.40                                                     | 557.40             | 0.00                             |
| 10. Total Work<br>Assignment Price:              | 0.00                        | 0.00            | 0.00                            | 0.00                                   | 35,160.17                           | 35,160.17                                                  | 35,160.17          | 0.00                             |

Project Manager (Engineer):

Date:

**ENGINEER:** Lawler, Matusky & Skelly Engineers LLP  
**CONTRACT No.:** D002676  
**PROJECT NAME:** EZ-EM Site  
**WORK ASSIGNMENT No.:** D002676-128-1

**SCHEDULE 2.11(g) - SUPPLEMENTAL**  
**COST CONTROL REPORT**  
**SUBCONTRACTOR**

**PAGE:** 3 of 3  
**DATE PREPARED:** 15 Aug 96  
**BILLING PERIOD:**  
**INVOICE No.:**  
**CAP No.:**

| SUBCONTRACT<br>NAME                      | A<br>SUBCONTRACT<br>COST CLAIMED<br>THIS APPLICATION<br>INCLUDING<br>RESUBMITTALS | B<br>SUBCONTRACT<br>COST APPROVED<br>FOR PAYMENT<br>ON PREVIOUS<br>APPLICATIONS | C<br>TOTAL<br>SUBCONTRACT<br>COSTS<br>TO DATE<br>(A PLUS B) | D<br>SUBCONTRACT<br>APPROVED<br>BUDGET | E                 |        | F                 |      | G<br>TOTAL COSTS<br>TO DATE<br>(C PLUS F) |
|------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------|-------------------|--------|-------------------|------|-------------------------------------------|
|                                          |                                                                                   |                                                                                 |                                                             |                                        | MANAGEMENT<br>FEE | BUDGET | MANAGEMENT<br>FEE | PAID |                                           |
| 1. Zebra                                 | 0.00                                                                              | 0.00                                                                            | 0.00                                                        | 5,685.00                               | 284.25            |        | 0.00              | 0.00 | 0.00                                      |
| 2. Inchcape Testing Laboratory (Aquatec) | 0.00                                                                              | 0.00                                                                            | 0.00                                                        | 5,463.00                               | 273.15            |        | 0.00              | 0.00 | 0.00                                      |
| 3. Commonwealth (Mobile Lab)             | 0.00                                                                              | 0.00                                                                            | 0.00                                                        | 260.00                                 | 0.00              |        | 0.00              | 0.00 | 0.00                                      |
| 4. Marsden Reproduction                  | 0.00                                                                              | 0.00                                                                            | 0.00                                                        | 687.00                                 | 0.00              |        | 0.00              | 0.00 | 0.00                                      |
| <b>TOTALS:</b>                           | 0.00                                                                              | 0.00                                                                            | 0.00                                                        | 12,095.00                              | 557.40            |        | 0.00              | 0.00 | 0.00                                      |

**Project Manager:** \_\_\_\_\_ **Date:** \_\_\_\_\_

Notes: (1) Costs listed in columns A, B, C & D do not include any management fee costs.  
 (2) Management fee is applicable to only properly procured, satisfactorily completed, unit price subcontracts over \$10,000.  
 (3) Total line, column G should equal line 7 (subcontractors), column D of Summary Cost Control Report.

ENGINEER: Lawler, Matusky & Skelly Engineers LLP  
 CONTRACT No.: D002676  
 PROJECT NAME: EZ-EM Site  
 WORK ASSIGN. No.: D002676-12B-1

SCHEDULE 2.11(h)

MONTHLY COST CONTROL REPORT  
 SUMMARY OF LABOR HOURS

DATE PREPARED: 15 Aug 96  
 BILLING PERIOD:  
 INVOICE No.:

Number of Direct Labor Hours Budgeted/Expended Number of Direct Labor Hours

| LABOR<br>CLASSIFICATION | IX      |      | VIII    |      | VII     |      | VI      |      | V       |      | IV      |      | III     |      | II      |      | I       |      | WP      |      | TOTAL NO.<br>OF DIRECT<br>LABOR HRS.<br>BUD EXP. |
|-------------------------|---------|------|---------|------|---------|------|---------|------|---------|------|---------|------|---------|------|---------|------|---------|------|---------|------|--------------------------------------------------|
|                         | \$48.86 |      | \$37.56 |      | \$32.96 |      | \$30.87 |      | \$27.54 |      | \$21.54 |      | \$19.28 |      | \$17.78 |      | \$13.48 |      | \$12.66 |      |                                                  |
|                         | BUD     | EXP. | BUD     | EXP. | BUD     | EXP. | BUD     | EXP. | BUD     | EXP. | BUD     | EXP. | BUD     | EXP. | BUD     | EXP. | BUD     | EXP. | BUD     | EXP. |                                                  |
| Task 4                  | 6.0     | 0.0  | 0.0     | 0.0  | 27.0    | 0.0  | 0.0     | 0.0  | 0.0     | 0.0  | 9.0     | 0.0  | 106.0   | 0.0  | 26.0    | 0.0  | 92.0    | 0.0  | 12.0    | 0.0  | 278.0 0.0                                        |
| TOTAL HOURS:            | 6.0     | 0.0  | 0.0     | 0.0  | 27.0    | 0.0  | 0.0     | 0.0  | 0.0     | 0.0  | 9.0     | 0.0  | 106.0   | 0.0  | 26.0    | 0.0  | 92.0    | 0.0  | 12.0    | 0.0  | 278.0 0.0                                        |

NOTES:

**SCHEDULE 2.11 (a)**  
**SUMMARY OF WORK ASSIGNMENT PRICE**  
 Work Assignment Number D002676-12B-1  
 TOPS APPLIANCE CITY SITE #1300430

| LINE ITEM                                                          | AMOUNT (\$)                     |
|--------------------------------------------------------------------|---------------------------------|
| 1. Direct Salary Costs (Schedules 2.10 (a) and 2.11 (b))           | 4,150                           |
| 2. Indirect Costs (Schedule 2.10 (g))                              | 6,433                           |
| 3. Direct Non-Salary Costs (Schedules 2.10 (d,e,f) and 2.11 (c,d)) | 2,449                           |
| <b>Subcontract Costs:</b>                                          |                                 |
| <b>Name of Subcontractor</b>                                       | <b>Services to be Performed</b> |
| 1. YEC, Inc                                                        | Professional Services           |
| 4. Total Cost-Plus-Fixed Fee Subcontracts                          | 390                             |
| <b>Unit Price Subcontracts (Schedule 2.10 (f) and 2.11 (f))</b>    |                                 |
| <b>Name of Subcontractor</b>                                       | <b>Services to be Performed</b> |
| 1. Zebra Environmental                                             | Geoprobe                        |
|                                                                    | GW & Soil Sampling              |
| 2. Commonwealth Analytical                                         | Mobile Laboratory               |
| 3. Inchcape Testing Lab (Aquatec)                                  | Laboratory Analysis             |
| 4. Marsden Reproduction                                            | Reproduction                    |
| 5. Total Unit Price Subcontracts                                   | 11,245                          |
| 6. Subcontract Management Fee (Schedule 2.11(f))                   | 515                             |
| 7. Total Subcontract Costs (lines 4 + 5)                           | 11,635                          |
| 8. Fixed Fee (Schedule 2.10 (h))                                   | 1,058                           |
| 9. Total Work Assignment Price (lines 1 + 2 + 3 + 6 + 7)           | 26,240                          |

ENGINEER/CONTRACT No.: Lawler, Matusky & Skelly Engineers LLP  
 PROJECT NAME: Tops Appliance City Site  
 WORK ASSIGNMENT No.: 02676-12B-1

DATE PREPARED: 15 Aug 96

**SCHEDULE 2.11(b-1)**  
**DIRECT ADMINISTRATIVE LABOR HOURS BUDGETED**

| NSPE LABOR<br>CLASSIFICATION | IX         | VIII       | VII        | VI         | V          | IV         | III        | II         | I          | WP         | TOTAL No.<br>OF DIRECT<br>ADMINISTRATIVE<br>LABOR HOURS<br>BUDGETED |
|------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|---------------------------------------------------------------------|
|                              |            |            |            |            |            |            |            |            |            |            |                                                                     |
| Task 4                       | 0.0        | 0.0        | 3.0        | 0.0        | 0.0        | 0.0        | 3.0        | 3.0        | 0.0        | 1.0        | 10.0                                                                |
| <b>TOTAL HOURS:</b>          | <b>0.0</b> | <b>0.0</b> | <b>3.0</b> | <b>0.0</b> | <b>0.0</b> | <b>0.0</b> | <b>3.0</b> | <b>3.0</b> | <b>0.0</b> | <b>1.0</b> | <b>10.0</b>                                                         |

Contract/Project administrative hours would include but not necessarily be limited to the following activities:

1. Work Plan Development
  - Conflict of Interest Check
  - Develop of budget schedules and supporting documentation
2. Review work assignment (WA) progress
  - Conduct progress reviews
  - Prepare monthly project report
  - Update WA progress schedule
3. Review monthly M/WBE Utilization Report
  - Prepare work assignment costs
  - Prepare monthly cost control report
  - Cost control reviews
4. CAP Preparation
  - Oversee and prepare monthly CAP
  - Respond to payment issues/disallowances
  - NSPE list updates
  - Equipment Inventory
5. Manage subcontracts
6. Implement and manage program management and staffing plans
7. Conduct Health and Safety Reviews
8. Word processing and graphic artists
9. Report editing

Contract/Project administration hours would NOT include activities such as:

1. QA/Qc reviews
2. Technical oversight by management
3. Develop subcontracts
4. Work plan development
5. Review of deliverables

## SCHEDULE 2.11(e)

**COST-PLUS FIXED FEE SUBCONTRACTS**

Work Assignment Number D002676-12B-1

TOPS APPLIANCE CITY SITE #1300430

| NAME OF SUBCONTRACTOR | SERVICES TO BE PERFORMED | SUBCONTRACT PRICE |
|-----------------------|--------------------------|-------------------|
| 1. YEC, Inc           | Professional Services    | \$389.78          |

**A. Direct Salary Costs**

| PROFESSIONAL RESPONSIBILITY LEVEL | LABOR CLASS. | MAXIMUM REIMB. RATE (\$/hr) | ESTIMATED NUMBER OF HOURS | TOTAL ESTIMATED DIRECT SALARY COST (\$) |
|-----------------------------------|--------------|-----------------------------|---------------------------|-----------------------------------------|
| Principal                         | VIII         | 44.94                       | 1                         | \$44.94                                 |
| Sr Geologist/Scientist/Eng.       | V            | 35.36                       | 0                         | \$0.00                                  |
| Licensed Surveyor/Staff           |              |                             |                           |                                         |
| Geo./Sci./Eng.                    | IV           | 29.55                       | 0                         | \$0.00                                  |
| Staff Geo./Sci./                  |              |                             |                           |                                         |
| Eng./Sr Draftsperson              | III          | 22.16                       | 1                         | \$22.16                                 |
| Sr. Tech./Staff Eng./Sci./Geo.    | II           | 17.79                       | 4                         | \$71.16                                 |
| Technician/Draftsperson           | I            | 14.28                       | 0                         | \$0.00                                  |
| <b>TOTAL DIRECT SALARY COSTS:</b> |              |                             |                           | <b>\$138.26</b>                         |

**FOOTNOTES:**

- 1 - These rates will be held firm until October 31, 1996.
- 2 - Reimbursement will be limited to the lesser of either the individuals actual hourly rate or the maximum rate for each labor category.
- 3 - Reimbursement will be limited to the maximum reimbursement rate for the professional responsibility level of the actual work performed.
- 4 - Only those labor classifications indicated with an asterisk will be entitled to overtime.
- 5 - Reimbursement for technical time of principals, owners and officers will be limited to the maximum maximum reimbursement rate of that labor category, the actual hourly labor rate paid, or the Federal GS-18 rate, whichever is lower.
- 6 - The maximum rates in each labor category can be modified only by mutual written agreement and approved by both the Department and the Comptroller.
- 7 - This footnote applies to Schedules for years 4 thru 7 only. If the U.S. cost-of-living index increases at a rate greater than 6% compounded annually, the maximum salary rates will be subject to renegotiation for future years of the contract.

## SCHEDULE 2.11(f)

**UNIT PRICE SUBCONTRACTS**  
**Work Assignment Number D002676-12B-1**  
**TOPS APPLIANCE CITY SITE #1300430**

| NAME OF SUBCONTRACTOR  | SERVICES TO BE PERFORMED       | SUBCONTRACT PRICE | MGMT. FEE |
|------------------------|--------------------------------|-------------------|-----------|
| 1. Zebra Environmental | Geoprobe<br>GW & Soil Sampling | \$5,130.00        | \$256.50  |

| ITEM                                                                         | \$ MAX REIMBURSEMENT<br>RATE (Specify Unit) | EST. NO.<br>OF UNITS | TOTAL<br>EST. COST (\$) |
|------------------------------------------------------------------------------|---------------------------------------------|----------------------|-------------------------|
| <b>TASK 4.3 GW Probes</b>                                                    |                                             |                      |                         |
| Daily rate including 2 person crew and probe unit (assumes 8 hours on-site): | \$990 /day                                  | 4                    | \$3,960.00              |
| Overtime rate (including 2 person crew and probe unit):                      | \$150 /hr                                   | 4                    | \$600.00                |
| Sampling charge for soils:                                                   | \$15 /sample                                | 14                   | \$210.00                |
| Sampling charge for groundwater:                                             | \$15 /sample                                | 24                   | \$360.00                |
| Mob/demob (Is):                                                              | No charge                                   | -                    | \$0.00                  |
| Per diem (per manday)                                                        | No charge                                   | -                    | \$0.00                  |
| <b>Subcontract Total:</b>                                                    |                                             |                      | <b>\$5,130.00</b>       |
| <b>Subcontract Management Fee:</b>                                           |                                             |                      | <b>\$256.50</b>         |

NOTE: A subcontract management fee of 5% will be allowed on total subcontracts over \$10,000 subject to the terms specified in the management fee protocol.

## SCHEDULE 2.11(f)

**UNIT PRICE SUBCONTRACTS**  
**Work Assignment Number D002676-12B-1**  
**TOPS APPLIANCE CITY SITE #1300430**

| NAME OF SUBCONTRACTOR             | SERVICES TO BE PERFORMED | SUBCONTRACT PRICE | MGMT. FEE |
|-----------------------------------|--------------------------|-------------------|-----------|
| 3. Inchcape Testing Lab (Aquatec) | Laboratory Analysis      | \$260.00          | \$0.00    |

| ITEM                               | METHOD    | \$ MAX REIMBURSEMENT<br>RATE (Specify Unit) | EST. NO.<br>OF UNITS | TOTAL<br>EST. COST (\$) |
|------------------------------------|-----------|---------------------------------------------|----------------------|-------------------------|
| <b>TASK 4.3 GW Probes</b>          |           |                                             |                      |                         |
| VOCs                               | 8010/8020 | \$130 /ea                                   | 2                    | \$260.00                |
| <b>SUBTOTAL:</b>                   |           |                                             |                      | \$260.00                |
| <b>Subcontract Subtotal:</b>       |           |                                             |                      | \$260.00                |
| <b>Subcontract Management Fee:</b> |           |                                             |                      | \$0.00                  |

NOTE: A subcontract management fee of 5% will be allowed on total subcontracts over \$10,000 subject to the terms specified in the management fee protocol.

DATE PREPARED: 15 Aug 96  
BILLING PERIOD:  
INVOICE No.:  
CAP No.:

**Project Manager (Engineer):**

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ENGINEER: Lawler, Matusky & Skelly Engineers LLP  
 CONTRACT No.: D002676  
 PROJECT NAME: Tops Appliance City Site  
 WORK ASSIGNMENT No.: D002676-12B-1

SCHEDULE 2.11(g) - SUPPLEMENTAL  
**COST CONTROL REPORT**  
 SUBCONTRACTOR

PAGE: 3 of 3  
 DATE PREPARED: 15 Aug 96  
 BILLING PERIOD:  
 INVOICE No.:  
 CAP No.:

| SUBCONTRACT<br>NAME                      | A                                             |      | B                                          |      | C                                             |          | D                                 | E                           | F                         | TOTAL COSTS<br>TO DATE<br>(C PLUS F) |      |      |      |      |
|------------------------------------------|-----------------------------------------------|------|--------------------------------------------|------|-----------------------------------------------|----------|-----------------------------------|-----------------------------|---------------------------|--------------------------------------|------|------|------|------|
|                                          | SUBCONTRACT<br>COST CLAIMED                   |      | SUBCONTRACT<br>COST APPROVED               |      | TOTAL                                         |          | SUBCONTRACT<br>APPROVED<br>BUDGET | MANAGEMENT<br>FEE<br>BUDGET | MANAGEMENT<br>FEE<br>PAID |                                      |      |      |      |      |
|                                          | THIS APPLICATION<br>INCLUDING<br>RESUBMITTALS |      | FOR PAYMENT<br>ON PREVIOUS<br>APPLICATIONS |      | SUBCONTRACT<br>COSTS<br>TO DATE<br>(A PLUS B) |          |                                   |                             |                           |                                      |      |      |      |      |
| 1. Zebra                                 | 0.00                                          | 0.00 | 0.00                                       | 0.00 | 0.00                                          | 5,130.00 | 256.50                            | 0.00                        | 0.00                      | 0.00                                 |      |      |      |      |
| 2. Commonwealth (Mobile Lab)             | 0.00                                          | 0.00 | 0.00                                       | 0.00 | 0.00                                          | 5,168.00 | 258.40                            | 0.00                        | 0.00                      | 0.00                                 |      |      |      |      |
| 3. Inchcape Testing Laboratory (Aquatec) | 0.00                                          | 0.00 | 0.00                                       | 0.00 | 0.00                                          | 260.00   | 0.00                              | 0.00                        | 0.00                      | 0.00                                 |      |      |      |      |
| 4. Marsden Reproduction                  | 0.00                                          | 0.00 | 0.00                                       | 0.00 | 0.00                                          | 687.00   | 0.00                              | 0.00                        | 0.00                      | 0.00                                 |      |      |      |      |
| TOTALS:                                  |                                               |      |                                            |      |                                               |          |                                   |                             |                           | 0.00                                 | 0.00 | 0.00 | 0.00 | 0.00 |

Project Manager: \_\_\_\_\_

Date: \_\_\_\_\_

Notes: (1) Costs listed in columns A, B, C & D do not include any management fee costs.  
 (2) Management fee is applicable to only properly procured, satisfactorily completed, unit price subcontracts over \$10,000.  
 (3) Total line, column G should equal line 7 (subcontractors), column D of Summary Cost Control Report.

ENGINEER: Lawler, Matusky & Skelly Engineers LLP  
 CONTRACT No.: D002676  
 PROJECT NAME: Tops Appliance City Site  
 WORK ASSIGN. No.: D002676-12B-1

SCHEDULE 2.11(h)

MONTHLY COST CONTROL REPORT  
 SUMMARY OF LABOR HOURS

DATE PREPARED: 15 Aug 96  
 BILLING PERIOD:  
 INVOICE No.:

Number of Direct Labor Hours Budgeted/Expended Number of Direct Labor Hours

| LABOR<br>CLASSIFICATION<br>SALARY RATE | IX  |      | VIII |      | VII  |      | VI  |      | V   |      | IV  |      | III  |      | II   |      | I    |      | WP  |      | TOTAL NO.<br>OF DIRECT<br>LABOR HRS.<br>BUD EXP. |     |
|----------------------------------------|-----|------|------|------|------|------|-----|------|-----|------|-----|------|------|------|------|------|------|------|-----|------|--------------------------------------------------|-----|
|                                        | BUD | EXP. | BUD  | EXP. | BUD  | EXP. | BUD | EXP. | BUD | EXP. | BUD | EXP. | BUD  | EXP. | BUD  | EXP. | BUD  | EXP. | BUD | EXP. |                                                  |     |
|                                        |     |      |      |      |      |      |     |      |     |      |     |      |      |      |      |      |      |      |     |      |                                                  |     |
| Task 4                                 | 3.0 | 0.0  | 0.0  | 0.0  | 19.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 5.0 | 0.0  | 63.0 | 0.0  | 19.0 | 0.0  | 69.0 | 0.0  | 8.0 | 0.0  | 186.0                                            | 0.0 |
| TOTAL HOURS:                           | 3.0 | 0.0  | 0.0  | 0.0  | 19.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 5.0 | 0.0  | 63.0 | 0.0  | 19.0 | 0.0  | 69.0 | 0.0  | 8.0 | 0.0  | 186.0                                            | 0.0 |

NOTES:

**SCHEDULE 2.11 (a)**  
**SUMMARY OF WORK ASSIGNMENT PRICE**  
 Work Assignment Number D002676-12B-1  
 SWALM AVENUE SITE #130043P

| LINE ITEM                                                         | AMOUNT (\$)                     |
|-------------------------------------------------------------------|---------------------------------|
| 1. Direct Salary Costs (Schedules 2.10 (a) and 2.11 (b))          | 6,224                           |
| 2. Indirect Costs (Schedule (2.10 (g))                            | 9,648                           |
| 3. Direct Non-Salary Costs (Schedules 2.10 (d,e,f) and 2.11 (c,d) | 3,113                           |
| <b>Subcontract Costs:</b>                                         |                                 |
| <b>Name of Subcontractor</b>                                      | <b>Services to be Performed</b> |
| 1. YEC, Inc                                                       | Professional Services           |
| 4. Total Cost-Plus-Fixed Fee Subcontracts                         | 1,437                           |
| <b>Unit Price Subcontracts (Schedule 2.10 (f) and 2.11 (f))</b>   |                                 |
| <b>Name of Subcontractor</b>                                      | <b>Services to be Performed</b> |
| 1. Zebra Environmental                                            | Geoprobe                        |
|                                                                   | GW & Soil Sampling              |
| 2. Commonwealth Analytical                                        | Mobile Laboratory               |
| 3. Inchcape Testing Lab (Aquatec)                                 | Laboratory Analysis             |
| 4. Marsden Reproduction                                           | Reproduction                    |
| 5. Total Unit Price Subcontracts                                  | 10,375                          |
| 6. Subcontract Management Fee (Schedule 2.11[f])                  | 478                             |
| 7. Total Subcontract Costs (lines 4 + 5)                          | 11,812                          |
| 8. Fixed Fee (Schedule 2.10 (h))                                  | 1,587                           |
| 9. Total Work Assignment Price (lines 1 + 2 + 3 + 6 + 7)          | 32,862                          |

ENGINEER/CONTRACT No.:

Lawler, Matusky &amp; Skelly Engineers LLP

PROJECT NAME:

Swalm Avenue Site

WORK ASSIGNMENT No.:

02676-12B-1

DATE PREPARED: 15 Aug 96

### SCHEDULE 2.11(b-1) DIRECT ADMINISTRATIVE LABOR HOURS BUDGETED

| NSPE LABOR<br>CLASSIFICATION | IX         | VIII       | VII        | VI         | V          | IV         | III        | II         | I          | WP         | TOTAL No.<br>OF DIRECT<br>ADMINISTRATIVE<br>LABOR HOURS<br>BUDGETED |
|------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|---------------------------------------------------------------------|
| Task 4                       | 0.0        | 0.0        | 3.0        | 0.0        | 0.0        | 0.0        | 4.0        | 0.0        | 4.0        | 1.0        | 12.0                                                                |
| <b>TOTAL HOURS:</b>          | <b>0.0</b> | <b>0.0</b> | <b>3.0</b> | <b>0.0</b> | <b>0.0</b> | <b>0.0</b> | <b>4.0</b> | <b>0.0</b> | <b>4.0</b> | <b>1.0</b> | <b>12.0</b>                                                         |

Contract/Project administrative hours would include but not necessarily be limited to the following activities:

1. Work Plan Development
  - Conflict of Interest Check
  - Develop of budget schedules and supporting documentation
2. Review work assignment (WA) progress
  - Conduct progress reviews
  - Prepare monthly project report
  - Update WA progress schedule
3. Review monthly M/WBE Utilization Report
  - Prepare work assignment costs
  - Prepare monthly cost control report
  - Cost control reviews

4. CAP Preparation
  - Oversee and prepare monthly CAP
  - Respond to payment issues/disallowances
  - NSPE list updates
  - Equipment Inventory
5. Manage subcontracts
6. Implement and manage program management and staffing plans
7. Conduct Health and Safety Reviews
8. Word processing and graphic artists
9. Report editing

Contract/Project administration hours would NOT include activities such as:

1. QA/Qc reviews
2. Technical oversight by management
3. Develop subcontracts
4. Work plan development
5. Review of deliverables

## SCHEDULE 2.11(e)

**COST-PLUS FIXED FEE SUBCONTRACTS**

Work Assignment Number D002676-12B-1

SWALM AVENUE SITE #130043P

| NAME OF SUBCONTRACTOR | SERVICES TO BE PERFORMED | SUBCONTRACT PRICE |
|-----------------------|--------------------------|-------------------|
| 1. YEC, Inc           | Professional Services    | \$1,436.86        |

**A. Direct Salary Costs**

| PROFESSIONAL RESPONSIBILITY LEVEL | LABOR CLASS. | MAXIMUM REIMB. RATE (\$/hr) | ESTIMATED NUMBER OF HOURS | TOTAL ESTIMATED DIRECT SALARY COST (\$) |
|-----------------------------------|--------------|-----------------------------|---------------------------|-----------------------------------------|
| Principal                         | VIII         | 44.94                       | 1                         | \$44.94                                 |
| Sr Geologist/Scientist/Eng.       | V            | 35.36                       | 0                         | \$0.00                                  |
| Licensed Surveyor/Staff           |              |                             |                           |                                         |
| Geo./Sci./Eng.                    | IV           | 29.55                       | 0                         | \$0.00                                  |
| Staff Geo./Sci./                  |              |                             |                           |                                         |
| Eng./Sr Draftsperson              | III          | 22.16                       | 6                         | \$132.96                                |
| Sr. Tech./Staff Eng./Sci./Geo.    | II           | 17.79                       | 19                        | \$338.01                                |
| Technician/Draftsperson           | I            | 14.28                       | 0                         | \$0.00                                  |
| <b>TOTAL DIRECT SALARY COSTS:</b> |              |                             |                           | <b>\$515.91</b>                         |

**FOOTNOTES:**

- 1 - These rates will be held firm until October 31, 1996.
- 2 - Reimbursement will be limited to the lesser of either the individuals actual hourly rate or the maximum rate for each labor category.
- 3 - Reimbursement will be limited to the maximum reimbursement rate for the professional responsibility level of the actual work performed.
- 4 - Only those labor classifications indicated with an asterisk will be entitled to overtime.
- 5 - Reimbursement for technical time of principals, owners and officers will be limited to the maximum maximum reimbursement rate of that labor category, the actual hourly labor rate paid, or the Federal GS-18 rate, whichever is lower.
- 6 - The maximum rates in each labor category can be modified only by mutual written agreement and approved by both the Department and the Comptroller.
- 7 - This footnote applies to Schedules for years 4 thru 7 only. If the U.S. cost-of-living index increases at a rate greater than 6% compounded annually, the maximum salary rates will be subject to renegotiation for future years of the contract.

## SCHEDULE 2.11(f)

**UNIT PRICE SUBCONTRACTS**  
**Work Assignment Number D002676-12B-1**  
**SWALM AVENUE SITE #130043P**

| NAME OF SUBCONTRACTOR  | SERVICES TO BE PERFORMED       | SUBCONTRACT PRICE | MGMT. FEE |
|------------------------|--------------------------------|-------------------|-----------|
| 1. Zebra Environmental | Geoprobe<br>GW & Soil Sampling | \$4,950.00        | \$247.50  |

| ITEM                                                                         | \$ MAX REIMBURSEMENT<br>RATE (Specify Unit) | EST. NO.<br>OF UNITS | TOTAL<br>EST. COST (\$) |
|------------------------------------------------------------------------------|---------------------------------------------|----------------------|-------------------------|
| <b>TASK 4.3 GW Probes</b>                                                    |                                             |                      |                         |
| Daily rate including 2 person crew and probe unit (assumes 8 hours on-site): | \$990 /day                                  | 4                    | \$3,960.00              |
| Overtime rate (including 2 person crew and probe unit):                      | \$150 /hr                                   | 4                    | \$600.00                |
| Sampling charge for soils:                                                   | \$15 /sample                                | 2                    | \$30.00                 |
| Sampling charge for groundwater:                                             | \$15 /sample                                | 24                   | \$360.00                |
| Mob/demob (ls):                                                              | No charge                                   | -                    | \$0.00                  |
| Per diem (per manday)                                                        | No charge                                   | -                    | \$0.00                  |
| <b>Subcontract Total:</b>                                                    |                                             |                      | <b>\$4,950.00</b>       |
| <b>Subcontract Management Fee:</b>                                           |                                             |                      | <b>\$247.50</b>         |

NOTE: A subcontract management fee of 5% will be allowed on total subcontracts over \$10,000 subject to the terms specified in the management fee protocol.

## SCHEDULE 2.11(f)

**UNIT PRICE SUBCONTRACTS**  
**Work Assignment Number D002676-12B-1**  
**SWALM AVENUE SITE #130043P**

| NAME OF SUBCONTRACTOR             | SERVICES TO BE PERFORMED | SUBCONTRACT PRICE | MGMT. FEE |
|-----------------------------------|--------------------------|-------------------|-----------|
| 3. Inchcape Testing Lab (Aquatec) | Laboratory Analysis      | \$130.00          | \$0.00    |

| ITEM                               | METHOD    | \$ MAX REIMBURSEMENT<br>RATE (Specify Unit) | EST. NO.<br>OF UNITS | TOTAL<br>EST. COST (\$) |
|------------------------------------|-----------|---------------------------------------------|----------------------|-------------------------|
| <b>TASK 4.3 GW Probes</b>          |           |                                             |                      |                         |
| VOCs                               | 8010/8020 | \$130 /ea                                   | 1                    | \$130.00                |
| <b>SUBTOTAL:</b>                   |           |                                             |                      | <b>\$130.00</b>         |
| <b>Subcontract Subtotal:</b>       |           |                                             |                      | <b>\$130.00</b>         |
| <b>Subcontract Management Fee:</b> |           |                                             |                      | <b>\$0.00</b>           |

NOTE: A subcontract management fee of 5% will be allowed on total subcontracts over \$10,000 subject to the terms specified in the management fee protocol.

# MONTHLY COST CONTROL REPORT

## SUMMARY OF FISCAL INFORMATION

PROJECT NAME: Swalm Avenue Site  
 WORK ASSIGNMENT No.: D002676-12B-1  
 TASK No./NAME: Summary  
 COMPLETE: 0%

DATE PREPARED: 15 Aug 96  
 BILLING PERIOD:  
 INVOICE No.:  
 CAP No.:

| EXPENDITURE CATEGORY                          | A<br>COST CLAIMED THIS PERIOD | B<br>PAID TO DATE | C<br>TOTAL DISALLOWED TO DATE | D<br>TOTAL COSTS PAID TO DATE (A+B) | E<br>ESTIMATED COSTS TO COMPLETION PRICE (A+B+E) | F<br>ESTIMATED TOTAL WORK ASSIGNMENT PRICE (A+B+E) | G<br>APPROVED BUDGET | H<br>ESTIMATED UNDER/OVER (G-F) |
|-----------------------------------------------|-------------------------------|-------------------|-------------------------------|-------------------------------------|--------------------------------------------------|----------------------------------------------------|----------------------|---------------------------------|
| 1. Direct Salary Costs:                       | 0.00                          | 0.00              | 0.00                          | 0.00                                | 6,224.28                                         | 6,224.28                                           | 6,224.28             | 0.00                            |
| 2. Indirect Salary Costs (1.55):              | 0.00                          | 0.00              | 0.00                          | 0.00                                | 9,647.63                                         | 9,647.63                                           | 9,647.63             | 0.00                            |
| 3. Subtotal Direct Salary and Indirect Costs: | 0.00                          | 0.00              | 0.00                          | 0.00                                | 15,871.91                                        | 15,871.91                                          | 15,871.91            | 0.00                            |
| 4. Travel:                                    | 0.00                          | 0.00              | 0.00                          | 0.00                                | 1,814.99                                         | 1,814.99                                           | 1,814.99             | 0.00                            |
| 5. Other Non-Salary Costs:                    |                               |                   |                               |                                     |                                                  |                                                    |                      |                                 |
| Material Costs:                               | 0.00                          | 0.00              | 0.00                          | 0.00                                | 593.70                                           | 593.70                                             | 593.70               | 0.00                            |
| Equipment Costs:                              | 0.00                          | 0.00              | 0.00                          | 0.00                                | 704.00                                           | 704.00                                             | 704.00               | 0.00                            |
| 6. Subtotal Direct Non-Salary Costs:          | 0.00                          | 0.00              | 0.00                          | 0.00                                | 3,112.69                                         | 3,112.69                                           | 3,112.69             | 0.00                            |
| 7. Subs:                                      |                               |                   |                               |                                     |                                                  |                                                    |                      |                                 |
| Subconsultants:                               |                               |                   |                               |                                     |                                                  |                                                    |                      |                                 |
| YEC, Inc.                                     | 0.00                          | 0.00              | 0.00                          | 0.00                                | 1,436.86                                         | 1,436.86                                           | 1,436.86             | 0.00                            |
| Subcontractors:                               |                               |                   |                               |                                     |                                                  |                                                    |                      |                                 |
| Zebra                                         | 0.00                          | 0.00              | 0.00                          | 0.00                                | 4,950.00                                         | 4,950.00                                           | 4,950.00             | 0.00                            |
| Commonwealth (Mobile Lab)                     | 0.00                          | 0.00              | 0.00                          | 0.00                                | 4,608.00                                         | 4,608.00                                           | 4,608.00             | 0.00                            |
| Inchcape Testing Laboratory (Aquatec)         | 0.00                          | 0.00              | 0.00                          | 0.00                                | 130.00                                           | 130.00                                             | 130.00               | 0.00                            |
| Marsden Reproduction                          | 0.00                          | 0.00              | 0.00                          | 0.00                                | 687.00                                           | 687.00                                             | 687.00               | 0.00                            |
| 8. Total Work Assignment Costs:               | 0.00                          | 0.00              | 0.00                          | 0.00                                | 30,796.46                                        | 30,796.46                                          | 30,796.46            | 0.00                            |
| 9. Fees:                                      |                               |                   |                               |                                     |                                                  |                                                    |                      |                                 |
| Fixed Fee:                                    | 0.00                          | 0.00              | 0.00                          | 0.00                                | 1,587.18                                         | 1,587.18                                           | 1,587.18             | 0.00                            |
| Management Fee:                               | 0.00                          | 0.00              | 0.00                          | 0.00                                | 477.90                                           | 477.90                                             | 477.90               | 0.00                            |
| 10. Total Work Assignment Price:              | 0.00                          | 0.00              | 0.00                          | 0.00                                | 32,861.54                                        | 32,861.54                                          | 32,861.54            | 0.00                            |

Project Manager (Engineer):

Date:

ENGINEER: Lawler, Matusky & Skelly Engineers LLP  
 CONTRACT No.: D002676  
 PROJECT NAME: Swalm Avenue Site  
 WORK ASSIGNMENT No.: D002676-12B-1

SCHEDULE 2.11(g) - SUPPLEMENTAL  
 COST CONTROL REPORT  
 SUBCONTRACTOR

PAGE: 3 of 3  
 DATE PREPARED: 15 Aug 96  
 BILLING PERIOD:  
 INVOICE No.:  
 CAP No.:

| SUBCONTRACT<br>NAME                      | A                                                                                |                                                                            | B                                                      |                                   | C                           |                           | D    | E    | F | TOTAL COSTS<br>TO DATE<br>(C PLUS F) |
|------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------|--------------------------------------------------------|-----------------------------------|-----------------------------|---------------------------|------|------|---|--------------------------------------|
|                                          | SUBCONTRACT<br>COST CLAIMED<br><br>THIS APPLICATION<br>INCLUDING<br>RESUBMITTALS | SUBCONTRACT<br>COST APPROVED<br>FOR PAYMENT<br>ON PREVIOUS<br>APPLICATIONS | SUBCONTRACT<br>TOTAL<br>COSTS<br>TO DATE<br>(A PLUS B) | SUBCONTRACT<br>APPROVED<br>BUDGET | MANAGEMENT<br>FEE<br>BUDGET | MANAGEMENT<br>FEE<br>PAID |      |      |   |                                      |
|                                          |                                                                                  |                                                                            |                                                        |                                   |                             |                           |      |      |   |                                      |
| 1. Zebra                                 | 0.00                                                                             | 0.00                                                                       | 0.00                                                   | 4,950.00                          | 247.50                      | 0.00                      | 0.00 | 0.00 |   |                                      |
| 2. Commonwealth (Mobile Lab)             | 0.00                                                                             | 0.00                                                                       | 0.00                                                   | 4,608.00                          | 230.40                      | 0.00                      | 0.00 | 0.00 |   |                                      |
| 3. Inchcape Testing Laboratory (Aquatec) | 0.00                                                                             | 0.00                                                                       | 0.00                                                   | 130.00                            | 0.00                        | 0.00                      | 0.00 | 0.00 |   |                                      |
| 8. Marsden Reproduction                  | 0.00                                                                             | 0.00                                                                       | 0.00                                                   | 687.00                            | 0.00                        | 0.00                      | 0.00 | 0.00 |   |                                      |
| <b>TOTALS:</b>                           |                                                                                  |                                                                            |                                                        |                                   |                             |                           |      |      |   |                                      |
|                                          | 0.00                                                                             | 0.00                                                                       | 0.00                                                   | 10,375.00                         | 477.90                      | 0.00                      | 0.00 | 0.00 |   |                                      |

Project Manager: \_\_\_\_\_

Date: \_\_\_\_\_

- Notes: (1) Costs listed in columns A, B, C & D do not include any management fee costs.  
 (2) Management fee is applicable to only properly procured, satisfactorily completed, unit price subcontracts over \$10,000.  
 (3) Total line, column G should equal line 7 (subcontractors), column D of Summary Cost Control Report.

ENGINEER: Lawler, Matusky & Skelly Engineers LLP  
 CONTRACT No.: D002676  
 PROJECT NAME: Swalm Avenue Site  
 WORK ASSIGN. No.: D002676-12B-1

SCHEDULE 2.11(h)

MONTHLY COST CONTROL REPORT  
 SUMMARY OF LABOR HOURS

DATE PREPARED: 15 Aug 96  
 BILLING PERIOD:  
 INVOICE No.:

Number of Direct Labor Hours Budgeted/Expended Number of Direct Labor Hours

| LABOR<br>CLASSIFICATION | IX  |      | VIII |      | VII |      | VI  |      | V   |      | IV  |      | III   |      | II   |      | I    |      | WP   |      | TOTAL NO.<br>OF DIRECT<br>LABOR HRS. |      |
|-------------------------|-----|------|------|------|-----|------|-----|------|-----|------|-----|------|-------|------|------|------|------|------|------|------|--------------------------------------|------|
|                         | BUD | EXP. | BUD  | EXP. | BUD | EXP. | BUD | EXP. | BUD | EXP. | BUD | EXP. | BUD   | EXP. | BUD  | EXP. | BUD  | EXP. | BUD  | EXP. | BUD                                  | EXP. |
| Task 4                  | 6.0 | 0.0  | 0.0  | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 8.0 | 0.0  | 103.0 | 0.0  | 28.0 | 0.0  | 91.0 | 0.0  | 11.0 | 0.0  | 274.0                                | 0.0  |
| TOTAL HOURS:            | 6.0 | 0.0  | 0.0  | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 8.0 | 0.0  | 103.0 | 0.0  | 28.0 | 0.0  | 91.0 | 0.0  | 11.0 | 0.0  | 274.0                                | 0.0  |

NOTES:

**SCHEDULE 2.11 (a)**  
**SUMMARY OF WORK ASSIGNMENT PRICE**  
 Work Assignment Number D002676-12B-1  
 SYLVESTER ST. SITE #130043Q

| LINE ITEM                                                         | AMOUNT (\$)                     |
|-------------------------------------------------------------------|---------------------------------|
| 1. Direct Salary Costs (Schedules 2.10 (a) and 2.11 (b))          | 3,886                           |
| 2. Indirect Costs (Schedule (2.10 (g))                            | 6,023                           |
| 3. Direct Non-Salary Costs (Schedules 2.10 (d,e,f) and 2.11 (c,d) | 2,242                           |
| <b>Subcontract Costs:</b>                                         |                                 |
| <b>Name of Subcontractor</b>                                      | <b>Services to be Performed</b> |
| 1. YEC, Inc                                                       | Professional Services           |
| 4. Total Cost-Plus-Fixed Fee Subcontracts                         | 922                             |
| <b>Unit Price Subcontracts (Schedule 2.10 (f) and 2.11 (f))</b>   |                                 |
| <b>Name of Subcontractor</b>                                      | <b>Services to be Performed</b> |
| 1. Zebra Environmental                                            | Geoprobe                        |
|                                                                   | GW & Soil Sampling              |
| 2. Commonwealth Analytical                                        | Mobile Laboratory               |
| 3. Inchcape Testing Lab (Aquatec)                                 | Laboratory Analysis             |
| 4. Aquifer Drilling & Testing                                     | Drilling, hydropunch            |
| 5. Marsden Reproduction                                           | Reproduction                    |
| 5. Total Unit Price Subcontracts                                  | 20,480                          |
| 6. Subcontract Management Fee (Schedule 2.11(f))                  | 977                             |
| 7. Total Subcontract Costs (lines 4 + 5)                          | 21,402                          |
| 8. Fixed Fee (Schedule 2.10 (h))                                  | 991                             |
| 9. Total Work Assignment Price (lines 1 + 2 + 3 + 6 + 7)          | 35,520                          |

ENGINEER/CONTRACT No.: Lawler, Matusky & Skelly Engineers LLP  
 PROJECT NAME: Sylvester St. Site  
 WORK ASSIGNMENT No.: 02676-12B-1

DATE PREPARED: 15 Aug 96

**SCHEDULE 2.11(b-1)**  
**DIRECT ADMINISTRATIVE LABOR HOURS BUDGETED**

| NSPE LABOR<br>CLASSIFICATION | IX         | VIII       | VII        | VI         | V          | IV         | III        | II         | I          | WP         | TOTAL No.<br>OF DIRECT<br>ADMINISTRATIVE<br>LABOR HOURS<br>BUDGETED |
|------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|---------------------------------------------------------------------|
|                              |            |            |            |            |            |            |            |            |            |            |                                                                     |
| Task 4                       | 0.0        | 0.0        | 3.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 3.0        | 0.0        | 8.0                                                                 |
| <b>TOTAL HOURS:</b>          | <b>0.0</b> | <b>0.0</b> | <b>3.0</b> | <b>0.0</b> | <b>0.0</b> | <b>0.0</b> | <b>2.0</b> | <b>0.0</b> | <b>3.0</b> | <b>0.0</b> | <b>8.0</b>                                                          |

Contract/Project administrative hours would include but not necessarily be limited to the following activities:

1. Work Plan Development
  - Conflict of Interest Check
  - Develop of budget schedules and supporting documentation
2. Review work assignment (WA) progress
  - Conduct progress reviews
  - Prepare monthly project report
  - Update WA progress schedule
3. Review monthly M/WBE Utilization Report
  - Prepare monthly M/WBE Utilization Report
  - Review work assignment costs
  - Prepare monthly cost control report
  - Cost control reviews

4. CAP Preparation
  - Oversee and prepare monthly CAP
  - Respond to payment issues/disallowances
  - NSPE list updates
  - Equipment Inventory
5. Manage subcontracts
6. Implement and manage program management and staffing plans
7. Conduct Health and Safety Reviews
8. Word processing and graphic artists
9. Report editing

Contract/Project administration hours would NOT include activities such as:

1. QA/Qc reviews
2. Technical oversight by management
3. Develop subcontracts
4. Work plan development
5. Review of deliverables

## SCHEDULE 2.11(e)

**COST-PLUS FIXED FEE SUBCONTRACTS**

Work Assignment Number D002676-12B-1

SYLVESTER ST. SITE #130043Q

| NAME OF SUBCONTRACTOR | SERVICES TO BE PERFORMED | SUBCONTRACT PRICE |
|-----------------------|--------------------------|-------------------|
| 1. YEC, Inc           | Professional Services    | \$922.35          |

**A. Direct Salary Costs**

| PROFESSIONAL RESPONSIBILITY LEVEL | LABOR CLASS. | MAXIMUM REIMB. RATE (\$/hr) | ESTIMATED NUMBER OF HOURS | TOTAL ESTIMATED DIRECT SALARY COST (\$) |
|-----------------------------------|--------------|-----------------------------|---------------------------|-----------------------------------------|
| Principal                         | VIII         | 44.94                       | 1                         | \$44.94                                 |
| Sr Geologist/Scientist/Eng.       | V            | 35.36                       | 0                         | \$0.00                                  |
| Licensed Surveyor/Staff           |              |                             |                           |                                         |
| Geo./Sci./Eng.                    | IV           | 29.55                       | 0                         | \$0.00                                  |
| Staff Geo./Sci./                  |              |                             |                           |                                         |
| Eng./Sr Draftsperson              | III          | 22.16                       | 5                         | \$110.80                                |
| Sr. Tech./Staff Eng./Sci./Geo.    | II           | 17.79                       | 10                        | \$177.90                                |
| Technician/Draftsperson           | I            | 14.28                       | 0                         | \$0.00                                  |
| <b>TOTAL DIRECT SALARY COSTS:</b> |              |                             |                           | <b>\$333.64</b>                         |

**FOOTNOTES:**

- 1 - These rates will be held firm until October 31, 1996.
- 2 - Reimbursement will be limited to the lesser of either the individuals actual hourly rate or the maximum rate for each labor category.
- 3 - Reimbursement will be limited to the maximum reimbursement rate for the professional responsibility level of the actual work performed.
- 4 - Only those labor classifications indicated with an asterix will be entitled to overtime.
- 5 - Reimbursement for technical time of principals, owners and officers will be limited to the maximum maximum reimbursement rate of that labor category, the actual hourly labor rate paid, or the Federal GS-18 rate, whichever is lower.
- 6 - The maximum rates in each labor category can be modified only by mutual written agreement and approved by both the Department and the Comptroller.
- 7 - This footnote applies to Schedules for years 4 thru 7 only. If the U.S. cost-of-living index increases at a rate greater than 6% compounded annually, the maximum salary rates will be subject to renegotiation for future years of the contract.

## SCHEDULE 2.11(f)

**UNIT PRICE SUBCONTRACTS**  
**Work Assignment Number D002676-12B-1**  
**SYLVESTER ST. SITE #130043Q**

| NAME OF SUBCONTRACTOR  | SERVICES TO BE PERFORMED       | SUBCONTRACT PRICE | MGMT. FEE |
|------------------------|--------------------------------|-------------------|-----------|
| 1. Zebra Environmental | Geoprobe<br>GW & Soil Sampling | \$2,775.00        | \$138.75  |

| ITEM                                                                         | \$ MAX REIMBURSEMENT<br>RATE (Specify Unit) | EST. NO.<br>OF UNITS | TOTAL<br>EST. COST (\$) |
|------------------------------------------------------------------------------|---------------------------------------------|----------------------|-------------------------|
| <b>TASK 4.3 GW Probes</b>                                                    |                                             |                      |                         |
| Daily rate including 2 person crew and probe unit (assumes 8 hours on-site): | \$990 /day                                  | 2                    | \$1,980.00              |
| Overtime rate (including 2 person crew and probe unit):                      | \$150 /hr                                   | 4                    | \$600.00                |
| Sampling charge for soils:                                                   | \$15 /sample                                | 4                    | \$60.00                 |
| Sampling charge for groundwater:                                             | \$15 /sample                                | 9                    | \$135.00                |
| Mob/demob (Is):                                                              | No charge                                   | -                    | \$0.00                  |
| Per diem (per manday)                                                        | No charge                                   | -                    | \$0.00                  |
| <b>Subcontract Total:</b>                                                    |                                             |                      | <b>\$2,775.00</b>       |
| <b>Subcontract Management Fee:</b>                                           |                                             |                      | <b>\$138.75</b>         |

NOTE: A subcontract management fee of 5% will be allowed on total subcontracts over \$10,000 subject to the terms specified in the management fee protocol.

## SCHEDULE 2.11(f)

**UNIT PRICE SUBCONTRACTS**  
**Work Assignment Number D002676-12B-1**  
**SYLVESTER ST. SITE #130043Q**

| NAME OF SUBCONTRACTOR             | SERVICES TO BE PERFORMED | SUBCONTRACT PRICE | MGMT. FEE |
|-----------------------------------|--------------------------|-------------------|-----------|
| 3. Inchcape Testing Lab (Aquatec) | Laboratory Analysis      | \$260.00          | \$0.00    |

| ITEM                               | METHOD    | \$ MAX REIMBURSEMENT<br>RATE (Specify Unit) | EST. NO.<br>OF UNITS | TOTAL<br>EST. COST (\$) |
|------------------------------------|-----------|---------------------------------------------|----------------------|-------------------------|
| <b>TASK 4.3 GW Probes</b>          |           |                                             |                      |                         |
| VOCs                               | 8010/8020 | \$130 /ea                                   | 2                    | \$260.00                |
| <b>SUBTOTAL:</b>                   |           |                                             |                      | \$260.00                |
| <b>Subcontract Subtotal:</b>       |           |                                             |                      | \$260.00                |
| <b>Subcontract Management Fee:</b> |           |                                             |                      | \$0.00                  |

NOTE: A subcontract management fee of 5% will be allowed on total subcontracts over \$10,000 subject to the terms specified in the management fee protocol.

## SCHEDULE 2.11(f)

**UNIT PRICE SUBCONTRACTS**  
**Work Assignment Number D002676-12B-1**  
**SYLVESTER ST. SITE #130043Q**

| NAME OF SUBCONTRACTOR   | SERVICES TO BE PERFORMED | SUBCONTRACT PRICE | MGMT. FEE |
|-------------------------|--------------------------|-------------------|-----------|
| 5. Marsden Reproduction | Reproduction             | \$687.00          | \$0.00    |

| ITEM                                                    | \$ MAX REIMBURSEMENT<br>RATE (Specify Unit) | EST. NO.<br>OF UNITS | TOTAL<br>EST. COST (\$) |
|---------------------------------------------------------|---------------------------------------------|----------------------|-------------------------|
| <b>TASK 4.4 Final Report</b>                            |                                             |                      |                         |
| Final report<br>(BW, color copies, binding, and covers) | \$68.70 /ea                                 | 10                   | \$687.00                |
| Subcontract Total:                                      |                                             |                      | \$687.00                |
| Subcontract Management Fee:                             |                                             |                      | \$0.00                  |

NOTE: A subcontract management fee of 5% will be allowed on total subcontracts over \$10,000 subject to the terms specified in the management fee protocol.

CONTRACT No.: U002676  
PROJECT NAME: Sylvester St. Site  
WORK ASSIGNMENT No.: D002676-12B-1  
TASK No./NAME: Task 4  
COMPLETE: 0%

MONTHLY COST CONTROL REPORT  
SUMMARY OF FISCAL INFORMATION

INVOICE No.:  
CAP No.:

| EXPENDITURE CATEGORY                          | A<br>COST CLAIMED<br>THIS PERIOD | B<br>PAID TO<br>DATE | C<br>TOTAL<br>DISALLOWED<br>TO DATE | D<br>TOTAL COSTS<br>PAID TO<br>DATE (A+B) | E<br>ESTIMATED<br>COSTS TO<br>COMPLETION | F<br>ESTIMATED<br>TOTAL WORK<br>ASSIGNMENT<br>PRICE (A+B+E) | G<br>APPROVED<br>BUDGET | H<br>ESTIMATED<br>UNDER/OVER<br>(G-F) |
|-----------------------------------------------|----------------------------------|----------------------|-------------------------------------|-------------------------------------------|------------------------------------------|-------------------------------------------------------------|-------------------------|---------------------------------------|
| 1. Direct Salary Costs:                       | 0.00                             | 0.00                 | 0.00                                | 0.00                                      | 3,885.71                                 | 3,885.71                                                    | 3,885.71                | 0.00                                  |
| 2. Indirect Salary Costs (1.55):              | 0.00                             | 0.00                 | 0.00                                | 0.00                                      | 6,022.85                                 | 6,022.85                                                    | 6,022.85                | 0.00                                  |
| 3. Subtotal Direct Salary and Indirect Costs: | 0.00                             | 0.00                 | 0.00                                | 0.00                                      | 9,908.56                                 | 9,908.56                                                    | 9,908.56                | 0.00                                  |
| 4. Travel:                                    | 0.00                             | 0.00                 | 0.00                                | 0.00                                      | 1,562.37                                 | 1,562.37                                                    | 1,562.37                | 0.00                                  |
| 5. Other Non-Salary Costs:                    |                                  |                      |                                     |                                           |                                          |                                                             |                         |                                       |
| Material Costs:                               | 0.00                             | 0.00                 | 0.00                                | 0.00                                      | 309.60                                   | 309.60                                                      | 309.60                  | 0.00                                  |
| Equipment Costs:                              | 0.00                             | 0.00                 | 0.00                                | 0.00                                      | 370.00                                   | 370.00                                                      | 370.00                  | 0.00                                  |
| 6. Subtotal Direct Non-Salary Costs:          | 0.00                             | 0.00                 | 0.00                                | 0.00                                      | 2,241.97                                 | 2,241.97                                                    | 2,241.97                | 0.00                                  |
| 7. Subs:                                      |                                  |                      |                                     |                                           |                                          |                                                             |                         |                                       |
| Subconsultants:                               |                                  |                      |                                     |                                           |                                          |                                                             |                         |                                       |
| YEC, Inc.                                     | 0.00                             | 0.00                 | 0.00                                | 0.00                                      | 922.35                                   | 922.35                                                      | 922.35                  | 0.00                                  |
| Subcontractors:                               |                                  |                      |                                     |                                           |                                          |                                                             |                         |                                       |
| Zebra                                         | 0.00                             | 0.00                 | 0.00                                | 0.00                                      | 2,775.00                                 | 2,775.00                                                    | 2,775.00                | 0.00                                  |
| Commonwealth (Mobile Lab)                     | 0.00                             | 0.00                 | 0.00                                | 0.00                                      | 4,598.00                                 | 4,598.00                                                    | 4,598.00                | 0.00                                  |
| Inchcape Testing Laboratory (Aq)              | 0.00                             | 0.00                 | 0.00                                | 0.00                                      | 260.00                                   | 260.00                                                      | 260.00                  | 0.00                                  |
| Marsden Reproduction                          | 0.00                             | 0.00                 | 0.00                                | 0.00                                      | 687.00                                   | 687.00                                                      | 687.00                  | 0.00                                  |
| Aquifer Drilling and Testing                  | 0.00                             | 0.00                 | 0.00                                | 0.00                                      | 12,160.00                                | 12,160.00                                                   | 12,160.00               | 0.00                                  |
| 8. Total Work Assignment Costs:               | 0.00                             | 0.00                 | 0.00                                | 0.00                                      | 33,552.88                                | 33,552.88                                                   | 33,552.88               | 0.00                                  |
| 9. Fees:                                      |                                  |                      |                                     |                                           |                                          |                                                             |                         |                                       |
| Fixed Fee:                                    | 0.00                             | 0.00                 | 0.00                                | 0.00                                      | 990.85                                   | 990.85                                                      | 990.85                  | 0.00                                  |
| Management Fee:                               | 0.00                             | 0.00                 | 0.00                                | 0.00                                      | 976.65                                   | 976.65                                                      | 976.65                  | 0.00                                  |
| 10. Total Work Assignment Price:              | 0.00                             | 0.00                 | 0.00                                | 0.00                                      | 35,520.38                                | 35,520.38                                                   | 35,520.38               | 0.00                                  |

ENGINEER: Lawler, Matusky & Skelly Engineers LLP  
 CONTRACT No.: D002676  
 PROJECT NAME: Sylvester St. Site  
 WORK ASSIGN. No.: D002676-12B-1

SCHEDULE 2.11(h)

**MONTHLY COST CONTROL REPORT**  
**SUMMARY OF LABOR HOURS**

DATE PREPARED: 15 Aug 96  
 BILLING PERIOD:  
 INVOICE No.:

Number of Direct Labor Hours Expended to Date/Estimated Number of Direct Labor Hours to Completion

| LABOR<br>CLASSIFICATION | IX      |       | VIII    |       | VII     |       | VI      |       | V       |       | IV      |       | III     |       | II      |       | I       |       | WP      |       | TOTAL NO.<br>OF DIRECT<br>LABOR HRS. |       |
|-------------------------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|--------------------------------------|-------|
|                         | EXP.    | /EST. | EXP.    | /EST. | EXP.    | /EST. | EXP.    | /EST. | EXP.    | /EST. | EXP.    | /EST. | EXP.    | /EST. | EXP.    | /EST. | EXP.    | /EST. | EXP.    | /EST. | EXP.                                 | /EST. |
| SALARY RATE             | \$48.86 |       | \$37.56 |       | \$32.96 |       | \$30.87 |       | \$27.54 |       | \$21.54 |       | \$19.28 |       | \$17.78 |       | \$13.48 |       | \$12.66 |       |                                      |       |
| Task 4                  | 0.0     | 3.0   | 0.0     | 0.0   | 0.0     | 0.0   | 0.0     | 0.0   | 0.0     | 0.0   | 0.0     | 0.0   | 53.0    | 0.0   | 15.0    | 0.0   | 80.0    | 0.0   | 5.0     | 0.0   | 177.0                                |       |
| TOTAL HOURS:            | 0.0     | 3.0   | 0.0     | 0.0   | 0.0     | 0.0   | 0.0     | 0.0   | 0.0     | 0.0   | 0.0     | 0.0   | 53.0    | 0.0   | 15.0    | 0.0   | 80.0    | 0.0   | 5.0     | 0.0   | 177.0                                |       |

NOTES:

# LABOR HOURS AND COSTS

## TASK SUMMARY

SYLVESTER ST. SITE NYSDEC I.D. No.: 130043Q

| NSPE/ASCE<br>LABOR CLASS  | 1996 HOURLY RATE (\$) | TASK 1: 1996 RATES |      |      |      | TASK 2: 1996 RATES |      |      |      | TASK 3: 1996 RATES |      |      |      | TASK 4: 1996 RATES |      |      |      | TOTAL<br>HOURS | SUBTOTAL (\$) |
|---------------------------|-----------------------|--------------------|------|------|------|--------------------|------|------|------|--------------------|------|------|------|--------------------|------|------|------|----------------|---------------|
|                           |                       | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 |                |               |
| IX                        | 57.38                 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 3.00           | 172.14        |
| VIII                      | 44.11                 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00           | 0.00          |
| VII                       | 38.70                 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 18.00          | 696.60        |
| VI                        | 36.25                 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00           | 0.00          |
| V                         | 32.34                 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00           | 0.00          |
| IV                        | 25.29                 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 3.00           | 75.87         |
| III                       | 22.65                 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 53.00          | 1,200.45      |
| II                        | 22.02                 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 15.00          | 330.30        |
| I                         | 16.70                 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 80.00          | 1,336.00      |
| WP                        | 14.87                 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 5.00           | 74.35         |
| TOTAL UNITS:              |                       | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 177.00         |               |
| DIRECT SALARY COSTS (\$): |                       | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 |                | 3,885.71      |
| INDIRECT SALARY           |                       |                    |      |      |      |                    |      |      |      |                    |      |      |      |                    |      |      |      |                |               |
| COSTS (\$): 1.55          |                       | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 |                | 6,022.85      |
| SUBTOTAL (\$):            |                       | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 |                | 9,908.56      |
| FIXED FEE (\$): 0.10      |                       | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 |                | 990.85        |
| MATERIAL COSTS (\$):      |                       | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 |                | 309.60        |
| TRAVEL COSTS (\$):        |                       | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 |                | 1,562.37      |
| FIELD EQUIPMENT (\$):     |                       | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 |                | 370.00        |
| SUBS (\$):                |                       | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 |                | 21,402.35     |
| MGMT FEE (\$): 0.05       |                       | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 |                | 976.65        |
| TOTAL (\$):               |                       | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 | 0.00               | 0.00 | 0.00 | 0.00 |                | 35,520.38     |

**APPENDIX A**

**SUBCONTRACTORS QUOTATIONS AND OTHER COSTS BACKUP**  
(Bound Separately)