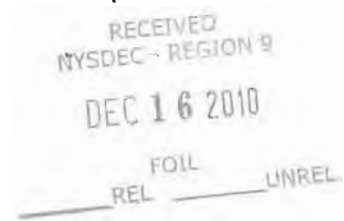


MOENCH COMPANY  
DIVISION OF BROWN SHOE COMPANY  
465 PALMER STREET  
GOWANDA, NEW YORK 14070  
Phone 716-532-2201  
Fax 716-532-5518



Mr. Stanley F. Radon, Sr. Geologist  
Div. of Hazardous Substance, NYSDEC  
270 Michigan Ave.  
Buffalo, New York 14203-2999

December 13, 2010

Re: Palmer St. landfill Annual report.

Enclosed is the Palmer St. Landfill "Annual" Groundwater Monitoring report. This report summarized the sampling results of the two sample events of 2010, creating many graphs.


The results continue to show that the Palmer St. Landfill has minimal effect on the environment, with minor detection of parameters of concern.

Arsenic and Acetone were the only detections. Acetone is a "Guidance Value" parameter, and could be associated with the natural gas in the area. Arsenic is also a naturally occurring element in the soil. MW-6, where the detection exists, is Screened in the Waste. The Village of Gowanda is having a difficult time finding native soil that does not contain Arsenic, to fill the Peter Cooper Corp., former plant area.

Monitoring sites MW-3 and MW-5 are always "dry". No samples can be obtained. This, plus the data obtained from the Infiltrimeters, shows the effectiveness of the Cover System.

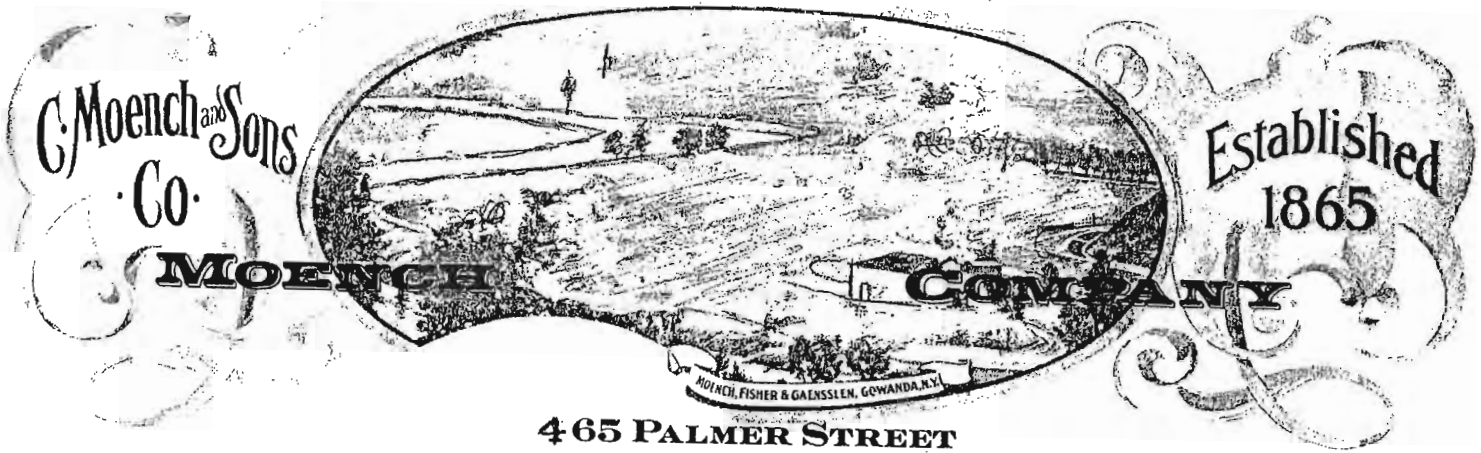
Please call me if you have any questions.

Sincerely,



Jeffrey Smith  
Site Manager

Cc: Sandra Severson-Brown Shoe Co., St. Louis, Mo.  
Ed Dissanti- NYSDEC, Albany, NY  
Richard Frappa-AMEC Geoamtrix, Williamsville, NY



465 PALMER STREET  
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ANNUAL GROUNDWATER QUALITY MONITORING  
REPORT.  
FOR CALENDAR YEAR 2010  
AT PALMER STREET LANDFILL.

DEC. 10

MOENCH COMPANY  
GOWANDA, NEW YORK 14070

Jeffrey Smith  
Site Manager

MOENCH COMPANY  
PALMER STREET LANDFILL  
 2010 ANNUAL GROUNDWATER MONITORING REPORT.....

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## 1.0 INTRODUCTION

### 1.1 BACKGROUND

THE MOENCH COMPANY, A DIVISION OF BROWN SHOE COMPANY, HEADQUARTERED IN ST. LOUIS, MO., IS LOCATED NEAR THE SOUTHEAST CORNER OF THE VILLAGE OF GOWANDA, CATTARAUGUS COUNTY, NEW YORK, 14070 (FIGURE 1). THE PALMER STREET LANDFILL, WHICH WAS OPERATED BY MOENCH TANNING FROM 1900 THROUGH JULY 1983, LIES IMMEDIATELY SOUTHWEST OF THE FORMER SITE COMPLEX ON AN APPROXIMATELY 25-ACRE, PARCEL OF LAND. A VARIETY OF WASTE GENERATED BY MOENCH TANNING WERE DISPOSED OF AT THE PALMER STREET LANDFILL SITE. THESE WASTES INCLUDED SOLE LEATHER EXTRACT, RENDERING WASTE, SPRAY BOOTH CLEAN UP WASTE, WASTE FINISH, WASTE HAIR/LEATHER SCRAPS, WASTEWATER TREATMENT PLANT SLUDGE, AND OCCASIONAL CONSTRUCTION DEBRIS.

MOENCH TANNING HAS CLOSED THE PALMER STREET LANDFILL (1983). ACCORDINGLY, THE CLOSURE/POST-CLOSURE PLAN (REFERENCE 1), IS BEING PERFORMED. THE LONG-TERM POST CLOSURE MONITORING PROGRAM HAS BEEN APPROVED & IMPLEMENTED. (JULY 1993, REVISED MARCH 1994; REVISED DECEMBER 2006.

### 1.2 PUPOSE AND SCOPE

SAMPLES ASSOCIATED WITH TWO ROUNDS OF WATER QUALITY MONITORING, FOR THE 2010 CALENDAR YEAR, WERE COLLECTED IN MARCH & JULY OF 2010, FOR THE LANDFILL. THE PURPOSE OF THIS REPORT IS TO PROVIDE A SUMMARY OF THE DATA GENERATED FOR THE PALMER STREET LANDFILL DURING 2010. IT SHOULD BE NOTED THAT THE SAMPLING LOCATIONS WERE MODIFIED IN 2006, THE RESULTS OF A MEETING WITH NYSDEC9 AND OUR ENVIRONMENTAL CONSULTANTS. THE NEW DETECTION MONITORING SYSTEM BETTER REPRESENTS POTENTIAL PARAMETER MIGRATION. (REF# 7 & 8 )



2.0 MONITORING SYSTEM

2.1 REVISED MONITORING SYSTEM(8/06)

IN JULY 2006, A MEETING WITH NEW YORK STATE DEPARTMENTAL CONSERVATION, GEOMATRIX CONSULTANT, AND MOENCH COMPANY, RESULTED IN A RECONFIGURING OF THE DETECTION MONITORING SYSTEM. THIS WAS DONE AFTER CONSIDERING THE THREE PRIOR "COVER SYSTEM PERFORMANCE MONITORING SYSTEM" RESULTS. THE DETECTION MONITORING SYSTEM IS NOW AS FOLLOWS:

| <u>DOWNGRADIENT WELLS</u><br>(screened in waste) |                | <u>UPGRADIENT WELLS</u> | <u>BANK SEEPS</u> |
|--|----------------|-------------------------|-------------------|
| <u>OVERBURDEN</u>                                | <u>BEDROCK</u> |                         |                   |
| MW-3   | MW-3D          | MW-7D                   | BS-1              |
| MW-4SR   | MW-4D          | MW-8D                   | BS-2              |
| MW-5   | MW-6D          |                         | BS-3              |
| MW-6   |                |                         |                   |

NINE(9) GROUNDWATER MONITORING WELLS, AT THE PALMER STREET LANDFILL, WERE EVALUATED IN 2010, IN ACCORDANCE WITH THE LONG TERM POST CLOSURE MONITORING PLAN.(REF. #1) NYSDEC HAS APPROVED THIS PLAN.

IN ADDITION TO THE WELLS, NYSDEC ALSO REQUIRES THE MONITORING OF THREE(3); BS-1, BS-2, BS-3. THE ABILITY TO OBTAIN BANK SEEPS VARIES DUE TO WET/DRY WEATHER. IN THE EVENT THAT BANKSEEPS ARE UNAVAILABLE, CREEK SAMPLES, IMMEDIATELY ADJACENT TO THE LOCATION, ARE TAKEN. BANKSEEP SAMPLE WAS AVAILABLE ONLY AT BS-3, FOR THE MARCH AND JULY SAMPLE.

TO AID IN THE EVALUATION OF THE COVER SYSTEM PERFORMANCE, LEVELS FROM FIVE(5) INFILTROMETERS, ARE ALSO MEASURED. LOCATIONS OF THE MONITORING POINTS ARE SHOWN ON FIGURE #2.





### 3.0 MONITORING METHODS

#### 3.1 GROUNDWATER MONITORING:

SAMPLES COLLECTED DURING THE TWO MONITORING EVENTS, FOR THE LANDFILL, WERE COLLECTED BY MOENCH COMPANY PERSONNEL, IN 2010. THE ANALYTICAL WORK WAS PERFORMED BY ISLECHEM LLC, OF GRAND ISLAND, NEW YORK. THE ANALYSIS WAS PERFORMED IN ACCORDANCE WITH THE SAMPLING PLAN/QUALITY ASSURANCE PLAN FOR THE PALMER ST. LANDFILL. (REFERENCE 3).

LABORATORY ANALYSES WERE PERFORMED IN ACCORDANCE WITH THE USEPA SW-846, 3RD EDITION (REFERENCE 4). THE MONITORING PARAMETERS ARE LISTED IN TABLE 1. SAMPLES WERE COLLECTED FROM EACH OF THE, MONITORING LOCATIONS IDENTIFIED IN SECTION 2.0. PRIOR TO SAMPLING, STATIC WATER LEVEL ELEVATIONS WERE MEASURED IN THE MONITORING WELLS AND THE WELLS WERE PURGED (SEE TABLE 4). GROUNDWATER ELEVATIONS WERE ALSO MEASURED IN THE PIEZOMETERS, INFILTROMETERS, AND WELLS ON-SITE.

FIELD SAMPLES WERE COLLECTED AND MEASURED FOR THE FIELD PARAMETERS IDENTIFIED IN TABLE 1. THE FIELD MEASUREMENTS ARE SUMMARIZED IN TABLE 5.

#### 3.2 INFILTROMETER MONITORING

FIVE INFILTROMETERS HAVE BEEN INSTALLED(1991) BENEATH THE LAND-FILL CAP TO AID IN THE ASSESSMENT OF PERFORMANCE OF THE CAP. DURING EACH SEMIANNUAL EVENT, WATER LEVELS IN THE INFILTROMETER ARE MEASURED AND THE AMOUNT OF WATER INFILTRATING IS CALCULATED.

THE CALCULATED INFILTRATION RATES ARE PRESENTED ON TABLE 2 & 3. CALCULATED INFILTRATION RATES ARE USUALLY WITHIN THE DESIGNED INFILTRATION RATE OF  $1 \times 10^{-7}$  CM/SEC, EXCEPT ARE NOTED ON THE TABLE. A SCHEMATIC SHOWING THE DESIGN AND DIMENSIONS OF THE INFILTROMETERS IS PRESENTED IN ATTACHMENT A.

TABLE 1

MOENCH COMPANY  
PALMER STREET LANDFILL

ROUTINE GROUNDWATER QUALITY MONITORING PARAMETERS

Soluble Arsenic  
Soluble Chromium  
Soluble Lead  
Volatile Organics<sup>(2)(3)</sup>

pH<sup>(1)</sup>

Conductivity<sup>(1)</sup>  
Turbidity<sup>(1)</sup> - visual only  
Groundwater Elevation<sup>(1)</sup>  
Temperature<sup>(1)</sup>

All samples collected for analysis of soluble metals will be pressure-filtered in the field immediately upon sample collection.

**NOTES:**

1. All field parameters (i.e., pH, specific conductance, temperature and turbidity) will be measured in the field. No analysis of these parameters will be required by the laboratory.
2. Volatile organic compounds will be those compounds determined by SW-846, Method 8260.

TABLE 4

2010

PALMER STREET LANDFILL  
SUMMARY OF GROUNDWATER ELEVATIONS<sup>(1)</sup>

| Location | Dates of Measurement |            |
|----------|----------------------|------------|
|          | 3-23-10              | 7-26-10    |
| MW-1     | 822.23               | 821.15     |
| MW-1D    | 799.24               | 813.42     |
| MW-2A    | 808.12               | 807.82     |
| MW-3     | MUD                  | DRY        |
| MW-3D    | 796.75               | 802.13     |
| MW-3DR   | 797.67               | 800.22     |
| MW-4SR   | 794.46               | 793.53     |
| MW-4D    | 794.01               | 794.28     |
| MW-5     | DRY                  | DRY        |
| MW-6     | 785.53               | 783.88     |
| MW-6D    | 783.48               | 783.01     |
| MW-7S    | 794.11               | 791.18     |
| MW-7     | 795.38               | 794.75     |
| MW-7D    | 795.49               | 794.79     |
| MW-8     | DRY                  | DRY        |
| P-1      | 795.45               | 793.74     |
| P-1A     | 795.60               | 796.41     |
| P-2      | 801.37               | 800.24     |
| P-3B     | 819.12               | 817.97     |
| P-4      | 799.44               | 798.21     |
| P-6A     | FROZ. LOCK           | FROZ. LOCK |
| P-6B     | 792.03               | 791.07     |
| P-6C     | 792.86               | 792.31     |
| P-6D     | 792.33               | 791.65     |
| P-7A     | 797.59               | 798.13     |
| P-8A     | MUD                  | DRY        |
| WP-1     | 813.69               | 811.99     |
| WP-4     | -                    | DRY        |

Notes:  
 (1) Measured in feet; distance above sea level.  
 • Well locked; unable to open.  
 \*\* Wells added to program prior to November 1993 event.  
 MW = Monitoring Well    P = Piezometer    WP = Well Point

TABLE # 5

MOENCH COMPANY  
PALMER STREET LANDFILL  
MARCH 2010 MONITORING EVENT

## INFILTROMETER MEASUREMENTS

| Infiltrometer | Static<br>Water Level<br>*<br>(ft)<br>8-3-09 | Static<br>Water Level<br>(ft)<br>3-23-10 | $\Delta$ Depth - gal.<br>(ft) | # Days<br>Between<br>Readings<br>(#) | Infiltration Rate       |                      | Approx.<br>Total<br>Rainfall<br>This Period<br>(ft) | Infiltration<br>(%) |
|---------------|--|--|-------------------------------|--------------------------------------|-------------------------|----------------------|---|---------------------|
|               |  |  |                               |                                      | gal/day.ft <sup>2</sup> | (cm/sec)             |   |                     |
| I-1           | 4.15   | 4.00                                     | .15                           | 232                                  | .0003                   | $1.4 \times 10^{-8}$ | 3.44  | .9                  |
| I-2           | 5.55   | 7.42                                     | NEGATIVE                      | —                                    | —                       | —                    | —   | —                   |
| I-3           | 6.78   | 6.92                                     | NEGATIVE                      | —                                    | —                       | —                    | —   | —                   |
| I-4           | 6.93   | 6.52                                     | .39                           | 232                                  | .0008                   | $3.8 \times 10^{-8}$ | 3.44  | 2.1                 |
| I-5           | 7.11   | 6.89                                     | .22                           | 232                                  | .0005                   | $2.4 \times 10^{-8}$ | 3.44  | 1.3                 |

## Note:

\*\* Negative  $\Delta D$  precludes calculation of meaningful data.

\* EXTREMELY RAINY SUMMER.

\* Aug 10, 2009 - 7" OF RAIN FELL IN AREA.

TABLE \* 5

MOENCH COMPANY  
 PALMER STREET LANDFILL  
 7-26-10 MONITORING EVENT  
 INFILTROMETER MEASUREMENTS

| Infiltrometer | Static<br>Water Level<br>(ft) | Static<br>Water Level<br>(ft) | Δ Depth - gal.<br>(ft) | # Days<br>Between<br>Readings<br>(#) | Infiltration Rate       |                      | Approx.<br>Total<br>Rainfall<br>This Period<br>(ft) | Infiltration<br>(%) |
|---------------|-------------------------------|-------------------------------|------------------------|--------------------------------------|-------------------------|----------------------|---|---------------------|
|               |                               |                               |                        |                                      | gal/day.ft <sup>2</sup> | (cm/sec)             |   |                     |
| I-1           | 3/23/10<br>4.00               | 7-26-10<br>4.70               | NEGATIVE               | -                                    | -                       | -                    | -   | -                   |
| I-2           | 7.42                          | 7.36                          | .06                    | 125                                  | .0002                   | $6.9 \times 10^{-8}$ | 1.15  | .28                 |
| I-3           | 6.92                          | 6.49                          | .43                    | 125                                  | .0016                   | $7.5 \times 10^{-8}$ | 1.15  | 2.3                 |
| I-4           | 6.52                          | 6.45                          | .07                    | 125                                  | .0003                   | $1.3 \times 10^{-8}$ | 1.15  | .28                 |
| I-5           | 6.89                          | 7.10                          | NEG.                   | -                                    | -                       | -                    | -   | -                   |

Note:

\*\* Negative ΔD precludes calculation of meaningful data.

I-1 - OFTEN FLOODED BY NATR'L SPRINGS + ADJ. PONDS.

#### 4.0 GROUNDWATER QUALITY MONITORING RESULTS

##### 4.1 EVALUATION OF GROUNDWATER ELEVATION DATA:

GROUNDWATER ELEVATION MEASUREMENTS WERE TAKEN AT EACH OF THE ACCESSIBLE ONSITE MONITORING WELLS, PIEZOMETERS AND WELL POINTS DURING THE TWO ANNUAL 2010 MONITORING EVENTS. THE DATA IS SUMMARIZED ON TABLE #4.

PLOTS OF THE GROUNDWATER ELEVATIONS MEASURED IN THE MONITORING WELLS WITH RESPECT TO TIME, ARE PRESENTED IN FIGURE 3, 4, & 5, FOR THE "SHALLOW OVERBURDEN, DEEP OVERBURDEN AND BEDROCK WELLS, RESPECTIVELY. AS SHOWN IN FIGURES 3, AND 4, OVERBURDEN GROUNDWATER ELEVATIONS WERE GENERALLY CONSISTENT THROUGHOUT THE MONITORING PERIOD. WATER LEVELS HAVE STABILIZED, AFTER THREE YEARS OF INCREASE ('92-'94). THIS OCCURRED DUE TO CESSATION OF VILLAGE AND TANNERY PUMPING OF THE DEEP AQUIFERS. IN AUGUST 2009, A SEVERE FLOOD CONTAMINATED THE VILLAGE'S WATER RESERVIOR. THEY HAVE BEGUN TO USE THE DEEP WELLS AGAIN, UNTIL THE RESERVIOR IS REPAIRED.

##### 4.2 THE GROUNDWATER AND SURFACE WATER QUALITY RESULTS FOR THE TWO MONITORINGS EVENTS, AT THE PALMER STREET LANDFILL, ARE PRESENTED IN TABLES #5 THROUGH #7.

IT SHOULD BE NOTED THAT THESE TABLES INCLUDES ONLY THOSE PARAMETERS WHICH WERE DETECTED ABOVE ANALYTICAL DETECTION LIMITS AT A MINIMUM OF ONE LOCATION. COMPARISON OF THE MONITORING DATA TO THE NYSDEC CLASS "GA" GROUNDWATER QUALITY STANDARDS/GUIDANCE VALUES IS ALSO PRESENTED IN THE TABLES.

BOTH THE SOIL AND WASTE AT THE PALMER STREET LANDFILL CONTAIN METALS-OF-INTEREST AS A COMPONENT OF THE SOIL OR WASTE PARTICLES (REFERENCE 5). THEREFORE, THE SEDIMENT (OR TURBIDITY) CONTENT OF ANY GROUNDWATER OR SURFACE WATER QUALITY SAMPLES WILL DIRECTLY IMPACT THE TOTAL METAL CONCENTRATION OF THE SAMPLES. THE TURBIDITY CONTENT OF THE GROUNDWATER SAMPLES COLLECTED AT THE SITE IS EXTREMELY VARIABLE AND RELATIVELY HIGH BECAUSE THE SOIL AND WASTE FILL BOTH CONTAIN HIGH PERCENTAGES OF FINE-GRAINED PARTICLES. AS NYSDEC HAS PREVIOUSLY AGREED, IN ORDER TO AVOID MIS-INTERPRETATION OF WATER QUALITY DATA, "TOTAL" METALS WILL NO LONGER ANALYZED FOR GROUNDWATER QUALITY STANDARDS OR EVALUATION OF GROUNDWATER QUALITY. IMPACTS WILL BE BASED ON SOLUBLE METALS CONCENTRATION.

ALSO TOTAL NOR SOLUABLE BARIUM WILL NO LONGER BE SAMPLED FOR IN THE AGREEMENT WITH NYSDEC, AS THE ELEMENT IS NATURALLY ELEVATED IN CONCENTRATION IN NATIVE SOIL. 2010 ANNUAL SUMMARIES AS FOLLOWS:

-THE ONLY DETECTION OF SOLUBLE METALS WAS ARSENIC, AT MW6. Mw-6 is screened within the waste. Arsenic is a common naturally occurring metal in the area.

-ACETONE WAS DETECTED JUST ABOVE THE "GUIDANCE VALUE" AT MW-6, IN THE MARCH SAMPLE. IN THE JULY SAMPLE ACETONE WAS DETECTED JUST BELOW THE GUIDANCE VALUE AT MW-6D & MW-4SR.

-THE "pH" AT MW-4SR AND MW-4SR WAS 6.47, WERE SLIGHTLY ACIDIC IN THE MARCH SAMPLE. CARBON DISULFIDE DETECTED 2 MW8D, JULY; AN ANAMOLY.

TABLE 7

MOENCH COMPANY  
PALMER STREET LANDFILL  
3/24-3/25/10 MONITORING EVENT

## SUMMARY OF FIELD MEASUREMENTS

| Location  | Sampling Date | Sampling Time | Temp. (°C) | pH (units) | Conductance <sup>(1)</sup> (umhos/cm) | Turbidity | Sample Appearance | Sample Odor |
|-----------|---------------|---------------|------------|------------|---------------------------------------|-----------|-------------------|-------------|
| MW-3      | 3/24/10       | ** DRY -      | MUD -      | NO SAMPLE. | —                                     | NA        | —                 | —           |
| *** MW-3D | 3/24/10       | 1140          | 12.4       | 8.14       | 420                                   | "         | Sght. TURB.       | NO          |
| * MW-4SR  | 3/24/10       | 940           | 10.9       | 6.61       | 960                                   | "         | TURBID-RED        | ORGANIC     |
| *** MW-4D | 3/24/10       | 1045          | 12.6       | 7.98       | 640                                   | "         | Sght. TUR.        | NO          |
| * MW-5    | 3/23/10       | ** DRY -      | NO SA      | MPLE *     | —                                     | "         | —                 | —           |
| * MW-6    | 3/24/10       | 830           | 12.7       | 6.53       | 1700                                  | "         | TURBID-BLK        | ORGANIC     |
| * MW-6D   | 3/24/10       | 803           | 13.5       | 7.92       | 1400                                  | "         | clear             | NO          |
| *** MW-7D | 3/25/10       | 1020          | 10.9       | 7.96       | 650                                   | "         | clear             | NO          |
| *** MW-8D | 3/25/10       | 937           | 12.3       | 7.71       | 460                                   | "         | clear             | NO          |
| Ⓐ BS-1    | 3/24/10       | 915           | 7.20       | 8.15       | 260                                   | "         | BROWN             | NO          |
| Ⓑ BS-2    | 3/24/10       | 1020          | 9.1        | 7.77       | 220                                   | "         | clear             | NO          |
| BS-3      | 3/25/10       | 850           | 7.2        | 7.56       | 680                                   | "         | ALMOST CLR        | N           |

## NOTES:

- (1) Conductivity readings corrected to 25°C.  
 (2) Blind Duplicate MW-3D  
 (3) MW-7D is apparent hydraulically upgradient bedrock well.

\* Shallow Overburden Well  
 \*\*\* Bedrock Well

\*\* Upgradient  
 BS Bank Seep

6.5-8.5 (STD)

Ⓐ NO BANK SEEP, TOOK CREEK SAMPLE.  
 Ⓑ NO BANK SEEP - TOOK DITCH RUNOFF SAMPLE BY HEADWALL.



TABLE ~~X~~ 7

MOENCH COMPANY  
PALMER STREET LANDFILL  
7/28 - 7/29/10 MONITORING EVENT

## SUMMARY OF FIELD MEASUREMENTS

| Location  | Sampling Date | Sampling Time | Temp. (°C) | pH (units) | Conductance <sup>(1)</sup> (umhos/cm) | Turbidity | Sample Appearance | Sample Odor |
|-----------|---------------|---------------|------------|------------|---------------------------------------|-----------|-------------------|-------------|
| MW-3      | DRY -         | NO SAMPLE     | -          | -          | -                                     | -         | -                 | -           |
| *** MW-3D | 7/29/10       | 1015          | 10.3       | 8.01       | 400                                   | NA        | TURBID            | MUSTY       |
| * MW-4SR  | 7/28/10       | 1115          | 16.1       | 7.10       | 1100                                  | "         | TURBID            | FINISH      |
| *** MW-4D | 7/29/10       | 925           | 10.3       | 7.83       | 620                                   | "         | TURBID            | NO          |
| * MW-5    | DRY -         | NO SAMPLE     | -          | -          | -                                     | -         | -                 | -           |
| * MW-6    | 7/28/10       | 1000          | 17.0       | 6.97       | 1600                                  | "         | BLACK             | NO          |
| * MW-6D   | 7/28/10       | 930           | 15.1       | 7.10       | 860                                   | "         | CLEAR             | NO          |
| *** MW-7D | 7/29/10       | 1125          | 14.7       | 7.82       | 680                                   | "         | CLEAR             | NO          |
| *** MW-8D | 7/29/10       | 1050          | 11.9       | 7.57       | 450                                   | "         | CLEAR             | NO          |
| BS-1      | 7/28/10       | 1045          | 17.1       | 7.21       | 300                                   | "         | SL. TURBID        | NO          |
| BS-2      | 7/28/10       | 1300          | 10.1       | 7.40       | 440                                   | "         | TURBID            | NO          |
| BS-3      | 7/28/10       | 1330          | 10.3       | 7.40       | 950                                   | "         | TURBID            | NO          |

## NOTES:

- (1) Conductivity readings corrected to 25°C.  
 (2) Blind Duplicate MW-6  
 (3) MW-7D is apparent hydraulically upgradient bedrock well.

6.5-8.5 (STD)

(A) WASP NEST - SPRAY

(B) CRACK SAMPLE - NO BANK SEEP

\* Shallow Overburden Well  
 \*\*\* Bedrock Well

\*\* Upgradient  
 BS Bank Seep

TABLE 5

MOENCH COMPANY  
PALMER STREET LANDFILL

3/24-3/25/10 MONITORING EVENT<sup>(1)</sup>

SUMMARY OF ANALYTICAL RESULTS

|                       | Quantitation Limit | ** MW-3 | MW-3D | ** MW-4SR | MW4D | ** MW-5 | ** MW-6 | MW-6D | Class "GA" Std. |
|-----------------------|--------------------|---------|-------|-----------|------|---------|---------|-------|-----------------|
| Metals (mg/l);        |                    |         |       |           |      |         |         |       |                 |
| Arsenic - Soluble     | 0.005              | DRY     | .009  | ND        | ND   | DRY     | .040    | ND    | .025mg/         |
| Chromium - Soluble    | 0.005              | DRY     | ND    | .017      | ND   | DRY     | ND      | ND    | .05             |
| Lead - Soluble        | 0.005              | L       | ND    | ND        | ND   | L       | ND      | ND    | .025            |
|                       |                    | NO      |       |           |      | NO      |         |       |                 |
| <b>Volatiles mg/L</b> |                    | S       | ND    | ND        | ND   | S       |         | ND    |                 |
| ACETONE               |                    | APP     |       |           |      | APP     | .062    |       | GUIDE VALUE .05 |
|                       |                    | L       |       |           |      | L       |         |       |                 |
|                       |                    |         |       |           |      |         |         |       |                 |
|                       |                    |         |       |           |      |         |         |       |                 |

\*\* Screened in Waste/Overburden.

Blind Duplicate MW-3D

TABLE 5

MÖENCH COMPANY  
 PALMER STREET LANDFILL  
3/24 - 3/25/10 MONITORING EVENT<sup>(1)</sup>

SUMMARY OF ANALYTICAL RESULTS

MW-3D

|                    | Quantitation Limit | MW-7D | MW-8D | BS-1 (A) | BS-2 (B) | BS-3 | Blind Duplic | EPT BLANK | Class "GA" Std. |
|--------------------|--------------------|-------|-------|----------|----------|------|--------------|-----------|-----------------|
| Metals (mg/l):     |                    |       |       |          |          |      |              |           |                 |
| Arsenic - Soluble  | 0.005              | ND    | ND    | ND       | ND       | ND   | .015         | ND        | .025mg/l        |
| Chromium - Soluble | 0.005              | ND    | ND    | ND       | ND       | ND   | ND           | ND        | .05             |
| Lead - Soluble     | 0.005              | ND    | ND    | ND       | ND       | ND   | ND           | ND        | .025            |

| Volatiles mg/L |  | ND | ND | ND | ND | ND | ND | ND |  |
|----------------|--|----|----|----|----|----|----|----|--|
|                |  |    |    |    |    |    |    |    |  |
|                |  |    |    |    |    |    |    |    |  |
|                |  |    |    |    |    |    |    |    |  |
|                |  |    |    |    |    |    |    |    |  |

(A) CREEK SAMPLE - NO BANK SEEP.  
 (B) RUN OFF SAMPLE - NO BANK SEEP.

TABLE X 6

MOENCH COMPANY  
 PALMER STREET LANDFILL  
 7/28-7/29/10 MONITORING EVENT<sup>(1)</sup>

SUMMARY OF ANALYTICAL RESULTS

|                    | Quantitation Limit | ** MW-3 | MW-3D | ** MW-4SR | MW4D | ** MW-5 | ** MW-6 | MW-6D | Class "GA" Std. |
|--------------------|--------------------|---------|-------|-----------|------|---------|---------|-------|-----------------|
| Metals (mg/l):     |                    |         |       |           |      |         |         |       |                 |
| Arsenic - Soluble  | 0.005              | D       | ND    | ND        | ND   | D       | .051    | ND    | .025mg/         |
| Chromium - Soluble | 0.005              | R       | ND    | ND        | ND   | R       | ND      | ND    | .05             |
| Lead - Soluble     | 0.005              | Y       | ND    | ND        | ND   | Y       | ND      | ND    | .025            |
|                    |                    | Z       |       |           |      | Z       |         |       |                 |

| Volatiles mg/L |  | S |    |      |    | S |    |      |  |
|----------------|--|---|----|------|----|---|----|------|--|
| Acetone        |  | A | ND | .024 | ND | A | ND | .033 |  |
|                |  | M |    |      |    | M |    |      |  |
|                |  | P |    |      |    | P |    |      |  |
|                |  | E |    |      |    | E |    |      |  |

\*\* Screened in Waste/Overburden.

Blind Duplicate MW-6

TABLE X C

MOENCH COMPANY  
PALMER STREET LANDFILL

7/28 - 7/29/10 MONITORING EVENT<sup>(1)</sup>

SUMMARY OF ANALYTICAL RESULTS

|                    | Quantitation Limit | MW-7D | MW-8D | BS-1 (B) | BS-2 (B) | BS-3 | Blind Duplic | Class "GA" Std. |
|--------------------|--------------------|-------|-------|----------|----------|------|--------------|-----------------|
| Metals (mg/l):     |                    |       |       |          |          |      |              |                 |
| Arsenic - Soluble  | 0.005              | ND    | .008  | ND       | ND       | .007 | .041         | .025mg/l        |
| Chromium - Soluble | 0.005              | ND    | ND    | ND       | ND       | ND   | ND           | .05             |
| Lead - Soluble     | 0.005              | ND    | ND    | ND       | ND       | ND   | ND           | .025            |

|                |  |  |      |    |    |    |    |  |
|----------------|--|--|------|----|----|----|----|--|
| Volatiles mg/L |  |  | -    | ND | ND | ND | ND |  |
| CARBON DISULF  |  |  | .067 | -  | -  | -  | -  |  |
|                |  |  |      |    |    |    |    |  |
|                |  |  |      |    |    |    |    |  |
|                |  |  |      |    |    |    |    |  |

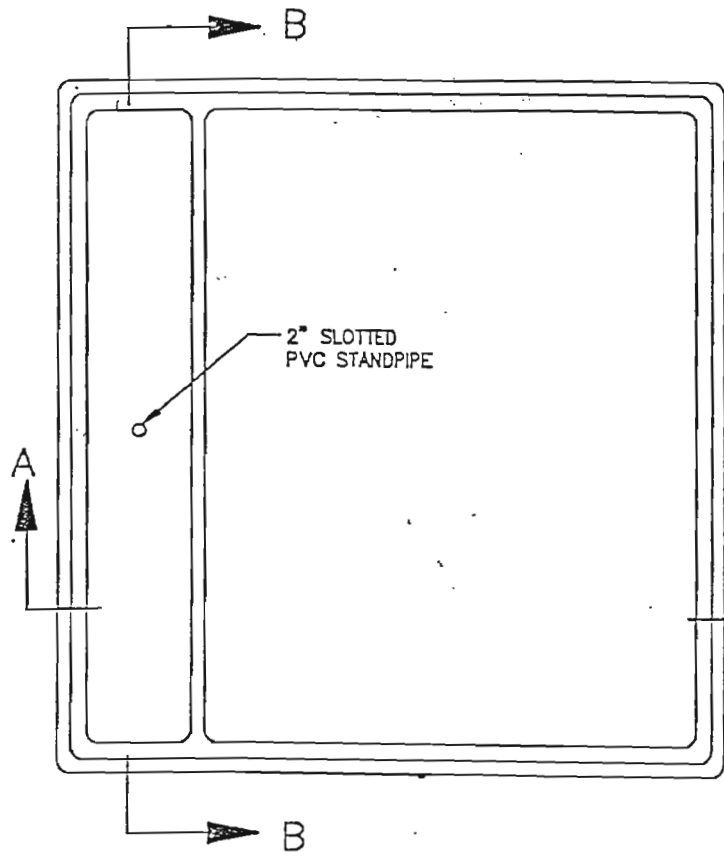
(B) NO BANK SEEP - CREEK SAMPLE.

**ATTACHMENT A**

**INFILTROMETER DESIGN**

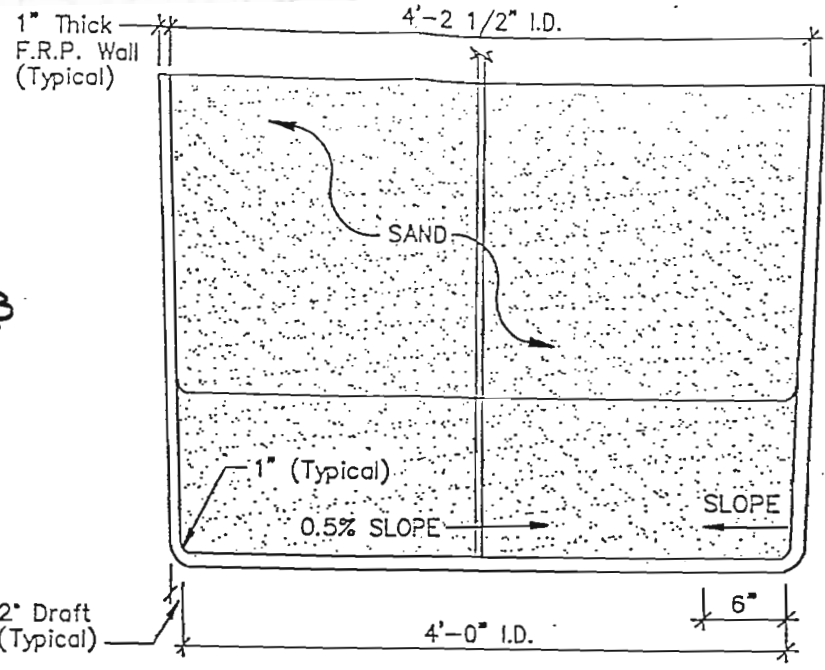
PALMER STREET LANDFILL  
GROUNDWATER MONITORING REPORT...

MARCH & July '10 SAMPLING EVENT..

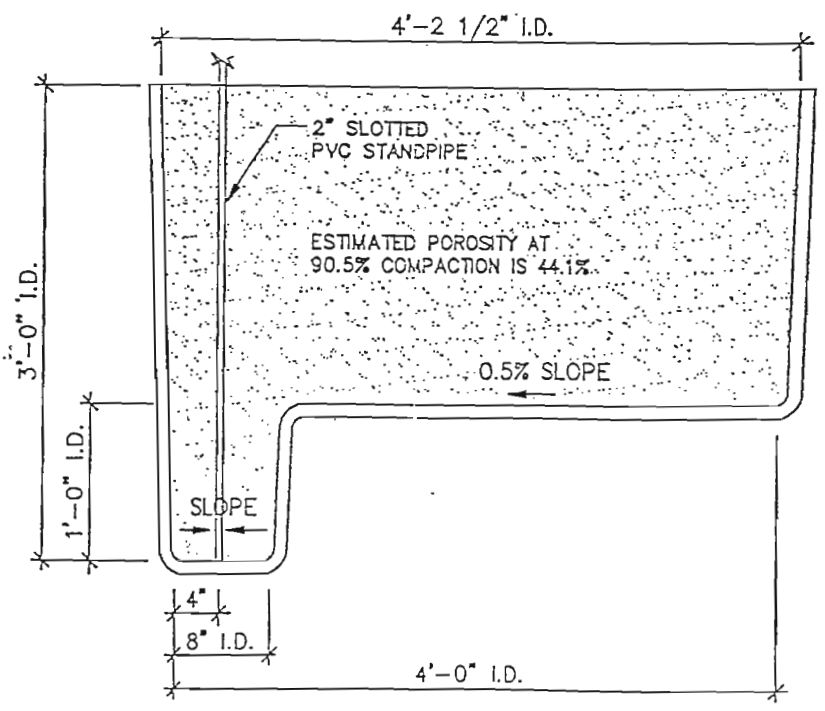


PLAN

B-B



A-A



TYPICAL INFILTRMETER BY HEY'S ENTERPRISES AS INSTALLED AT PALMER STREET LANDFILL

INFILTRMETER

ATTACHMENT B

GROUNDWATER ELEVATION  
DATA & GRAPHS

MONITORING EVENTS MARCH + JULY '10



| PALMER STREET LANDFILL<br>MOENCH COMPANY<br>GROUNDWATER ELEVATION vs TIME (FEET ABOVE SEA LEVEL)<br>SHALLOW OVERBURDEN MONITOR WELLS |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |     |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|
| FIGURE #3  | Jan-90 | Apr-90 | Jul-90 | Oct-90 | Jan-91 | May-91 | Jul-91 | Oct-91 | Jan-92 | May-92 | Jul-92 | Oct-92 | Feb-93 | May-93 | Jul-93 | Oct-93 | Mar-94 | Jun-94 | Sep-94 | Dec-94 |     |
| MW-1   | 818    | 819    | 817    | 817    | 819    | 817    | 818    | 818    | 819    | 820    | 818    | 820    | 820    | 821    | 819    | 820    | 821    | 821    | 821    | 822    | 822 |
| MW-3   | 796    | 796    | 794    | 793    | 794    | 793    | 792    | 792    | 793    | 794    | 793    | 793    | 794    | 794    | 793    | 794    | 794    | 794    | 794    | 794    | 794 |
| MW-5   | 785    | 785    | 784    | 784    | 786    | 784    | 782    | 782    | 783    | 784    | 784    | 783    | 783    | 784    | 782    | 783    | 786    | 783    | 783    | 784    | 784 |
| MW-6   | 784    | 784    | 783    | 784    | 785    | 784    | 784    | 784    | 784    | 784    | 784    | 783    | 784    | 784    | 784    | 784    | 784    | 783    | 783    | 784    | 784 |
| MW-7S  | 795    | 795    | 793    | 795    | 795    | 794    | 792    | 792    | 793    | 793    | 792    | 792    | 793    | 793    | 792    | 793    | 786    | 792    | 791    | 792    | 792 |
| MW-4SR   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 787    | 792    | 791    | 789    | 791    |     |

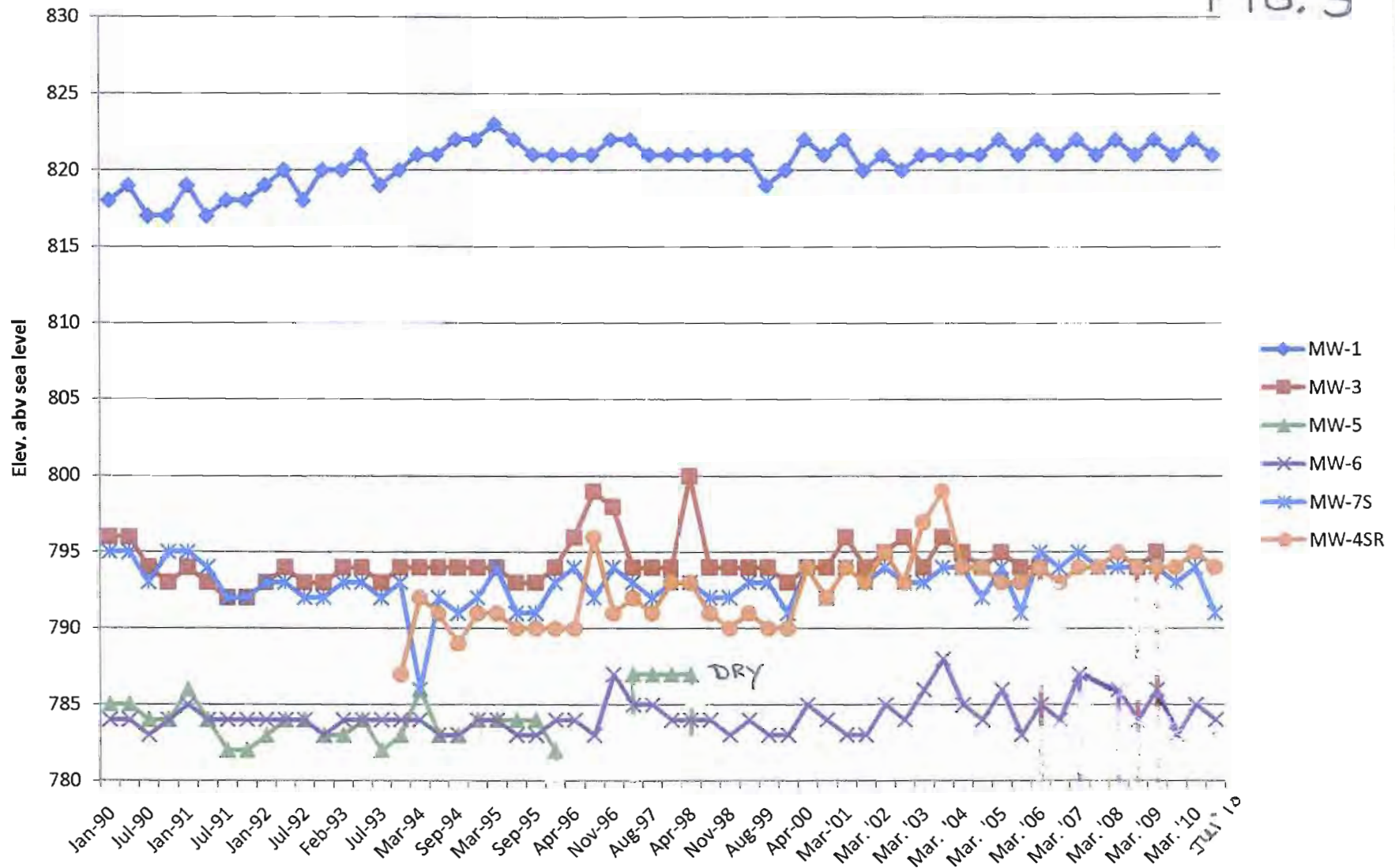
| Fig. #3 |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|         | Mar-95 | Jun-95 | Sep-95 | Dec-95 | Apr-96 | Aug-96 | Nov-96 | Apr-97 | Aug-97 | Nov-97 | Apr-98 | Aug-98 | Nov-98 | Apr-99 | Aug-99 | Nov-99 | Apr-00 | Sep-00 | Mar-01 | Aug'01 |
| MW-1    | 823    | 822    | 821    | 821    | 821    | 821    | 822    | 822    | 821    | 821    | 821    | 821    | 821    | 821    | 819    | 820    | 822    | 821    | 822    | 820    |
| MW-3    | 794    | 793    | 793    | 794    | 796    | 799    | 798    | 794    | 794    | 794    | 800    | 794    | 794    | 794    | 794    | 793    | 794    | 794    | 796    | 794    |
| MW-5    | 784    | 784    | 784    | 782    | DRY    | DRY    | DRY    | 787    | 787    | 787    | 787    | DRY    | DRY    | DRY    | DRY    | DRY    | dry    | dry    | dry    | dry    |
| MW-6    | 784    | 783    | 783    | 784    | 784    | 783    | 787    | 785    | 785    | 784    | 784    | 784    | 783    | 784    | 783    | 783    | 785    | 784    | 783    | 783    |
| MW-7S   | 794    | 791    | 791    | 793    | 794    | 792    | 794    | 793    | 792    | 793    | 792    | 792    | 792    | 793    | 793    | 791    | 794    | 792    | 794    | 793    |
| MW-4SR  | 791    | 790    | 790    | 790    | 790    | 796    | 791    | 792    | 791    | 793    | 793    | 791    | 790    | 791    | 790    | 790    | 794    | 792    | 794    | 793    |

| Fig. #3 |          |          |          |          |          |          |          |          |          | FIG.#3   |          |          |          |          |          |          |          |          |  |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
|         | Mar. '02 | Aug. '02 | Mar. '03 | Aug. '03 | Mar. '04 | Aug. '04 | Mar. '05 | Aug. '05 | Mar. '06 | Aug. '06 | Mar. '07 | July '07 | Mar. '08 | Aug. '08 | Mar. '09 | Aug. '09 | Mar. '10 | July '10 |  |
| MW-1    | 821      | 820      | 821      | 821      | 821      | 821      | 822      | 821      | 822      | 821      | 822      | 821      | 822      | 821      | 822      | 821      | 822      | 821      |  |
| MW-3    | 795      | 796      | 794      | 796      | 795      | 794      | 795      | 794      | 794      | dry      | dry      | dry      | dry      | 794      | 795      | dry      | dry      | dry      |  |
| MW-5    | dry      | dry      | dry      | dry      | dry      | dry      | dry      | dry      | dry      | dry      | dry      | dry      | dry      | dry      | dry      | dry      | dry      | dry      |  |
| MW-6    | 785      | 784      | 786      | 788      | 785      | 784      | 786      | 783      | 785      | 784      | 787      | dry      | 786      | 784      | 786      | 783      | 785      | 784      |  |
| MW-7S   | 794      | 793      | 793      | 794      | 794      | 792      | 794      | 791      | 795      | 794      | 795      | 794      | 794      | 794      | 794      | 793      | 794      | 791      |  |
| MW-4SR  | 795      | 793      | 797      | 799      | 794      | 794      | 793      | 793      | 794      | 793      | 794      | 794      | 795      | 794      | 794      | 794      | 795      | 794      |  |

#  
FIG. 3

# Palmer St. l/f; shallow GW elv.

#  
FIG. 3



| PALMER STREET LANDFILL                               |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MOENCH COMPANY                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| GROUNDWATER ELEVATION vs TIME (FEET ABOVE SEA LEVEL) |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| DEEP OVERBURDEN MONITOR WELLS                        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Figure #4  | Jan-90 | Apr-90 | Jul-90 | Oct-90 | Jan-91 | May-91 | Jul-91 | Oct-91 | Jan-92 | May-92 | Jul-92 | Oct-92 | Feb-93 | May-93 | Jul-93 | Oct-93 | Mar-94 | Jun-94 | Sep-94 | Dec-94 |
| MW-3D  | 777    | 777    | 777    | 777    | 776    | 778    | 779    | 778    | 778    | 779    | 779    | 781    | 784    | 787    | 789    | 791    | 792    | 793    | 795    | 797    |
| MW-7   | 794    | 793    | 793    | 793    | 794    | 793    | 793    | 794    | 793    | 792    | 793    | 794    | 793    | 792    | 792    | 793    | 792    | 791    | 793    | 794    |
| MW-4D  |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 787    | 790    | 789    | 791    | 792    |

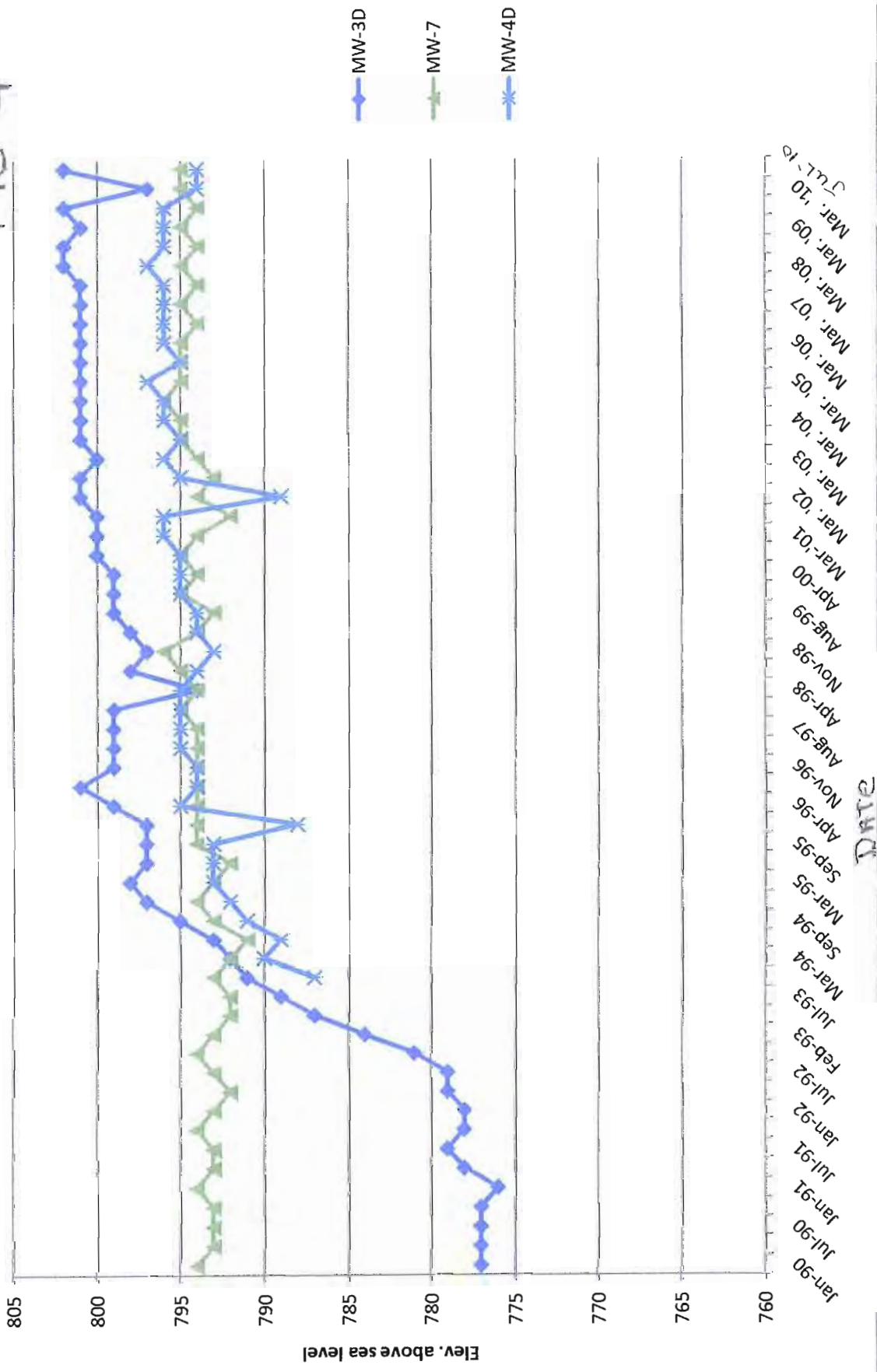
| Fig. #4 |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MW-3D   | Mar-95 | Jun-95 | Sep-95 | Dec-95 | Apr-96 | Aug-96 | Nov-96 | Apr-97 | Aug-97 | Nov-97 | Apr-98 | Aug-98 | Nov-98 | Apr-99 | Aug-99 | Nov-99 | Apr-00 | Sep-00 | Mar-01 | Aug-01 |
| MW-3D   | 798    | 797    | 797    | 797    | 799    | 801    | 799    | 799    | 799    | 799    | 794    | 798    | 797    | 798    | 799    | 799    | 799    | 800    | 800    | 800    |
| MW-7    | 793    | 792    | 794    | 794    | 794    | 794    | 794    | 794    | 794    | 795    | 794    | 795    | 796    | 794    | 793    | 795    | 794    | 795    | 794    | 792    |
| MW-4D   | 793    | 793    | 793    | 788    | 795    | 794    | 794    | 795    | 795    | 795    | 795    | 794    | 793    | 794    | 794    | 795    | 795    | 795    | 796    | 796    |

FIG. #4

| Fig. #4 |          |          |          |          |          |          |          |          |          | Fig. #4  |          |          |          |          |          |          |          |          |  |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| MW-3D   | Mar. '02 | Aug. '02 | Mar. '03 | Aug. '03 | Mar. '04 | Aug. '04 | Mar. '05 | Aug. '05 | Mar. '06 | Aug. '06 | Mar. '07 | July '07 | Mar. '08 | Aug. '08 | Mar. '09 | Aug. '09 | Mar. '10 | Jul. '10 |  |
| MW-3D   | 801      | 801      | 800      | 801      | 801      | 801      | 801      | 801      | 801      | 801      | 801      | 801      | 802      | 802      | 801      | 802      | 797      | 802      |  |
| MW-7    | 794      | 793      | 794      | 795      | 795      | 796      | 795      | 795      | 795      | 794      | 795      | 794      | 795      | 794      | 795      | 794      | 795      | 795      |  |
| MW-4D   | 789      | 795      | 796      | 795      | 796      | 798      | 797      | 795      | 796      | 796      | 796      | 796      | 797      | 796      | 796      | 796      | 794      | 794      |  |

# Palmer St. I/f; GW deep ov/burden

FIG # 4



| PALMER STREET LANDFILL<br>MOENCH COMPANY<br>GROUNDWATER ELEVATION vs TIME<br>BEDROCK MONITOR WELLS & PIEZOMETERS |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |        |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|--------|
|  |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | Aug. '10 |        |
| (FIG.#5)   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | FIG. #5  |        |
|  | Jan-90 | Apr-90 | Jul-90 | Oct-90 | Jan-91 | May-91 | Jul-91 | Oct-91 | Jan-92 | May-92 | Jul-92 | Oct-92 | Feb-93 | May-93 | Jul-93 | Oct-93 | Mar-94 | Jun-94 | Sep-94   | Dec-94 |
| MW-3DR   | 773    | 773    | 773    | 773    | 772    | 775    | 787    | 775    | 777    | 777    | 778    | 783    | 786    | 789    | 792    | 794    | 797    | 797    | 799      | 799    |
| MW-7D  | 795    | 794    | 794    | 795    | 795    | 794    | 794    | 795    | 793    | 792    | 792    | 793    | 793    | 792    | 790    | 793    | 792    | 791    | 793      | 794    |
| MW-8D  | 766    | 766    | 767    | 767    | 763    | 770    | 773    | 771    | 773    | 772    | 776    | 786    | 790    | 794    | 796    | 798    | 802    | 803    | 804      | 804    |
| MW-1D  |        |        |        |        | 743    | 762    | 765    | 752    | 756    | 758    | 776    | 795    | 798    | 801    | 802    | 807    | 811    | 810    | 810      | 813    |
| MW-6D  |        |        |        |        | 783    | 781    | 787    | 781    | 781    | 781    | 782    | 782    | 781    | 781    | 781    | 782    | 784    | 780    | 782      | 782    |
| P-6D   |        |        |        |        | 790    | 790    | 790    | 790    | 790    | 790    | 790    | 789    | 789    | 789    | 789    | 789    | 789    | 785    | 789      | 789    |

|        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | Aug. '10 |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|
|        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | (FIG #5) |
|        | Mar-95 | Jun-95 | Sep-95 | Dec-95 | Apr-96 | Aug-96 | Nov-96 | Apr-97 | Aug-97 | Nov-97 | Apr-98 | Aug-98 | Nov-98 | Apr-99 | Aug-99 | Nov-99 | Apr-00 | Sep-00 | Mar-01 | Aug-01   |
| MW-3DR | 800    | 800    | 799    | 798    | 801    | 800    | 801    | 801    | 802    | 802    | 803    | 799    | 799    | 801    | 801    | 801    | 802    | 803    | 803    | 800      |
| MW-7D  | 794    | 793    | 794    | 795    | 795    | 794    | 794    | 795    | 795    | 796    | 796    | 795    | 795    | 795    | 795    | 795    | 795    | 795    | 797    | 796      |
| MW-8D  | 805    | 805    | 804    | 805    | 805    | 805    | 805    | 806    | 807    | 808    | 809    | 800    | 803    | 805    | 807    | 806    | 808    | 808    | 809    | 808      |
| MW-1D  | 814    | 809    | 810    | 812    | 813    | 813    | 814    | 815    | 816    | 816    | 818    | 795    | 806    | 813    | 818    | 814    | 816    | 816    | 818    | 817      |
| MW-6D  | 784    | 781    | 781    | 779    | 782    | 782    | 783    | 782    | 782    | 783    | 782    | 781    | 782    | 783    | 781    | 781    | 783    | 783    | 783    | 782      |
| P-6D   | 789    | 790    | 790    | 788    | 790    | 790    | 791    | 791    | 791    | 791    | 792    | 792    | 790    | 791    | 791    | 791    | 792    | 792    | 792    | 792      |

|        |         |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     | Aug. '10 |         |
|--------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|----------|---------|
|        |         |         |          |          |          |          |          |          |          | Fig. #5  |          |          |          |          |          |          |          |          |     |          | FIG. #5 |
|        | Apr.-02 | Aug.-02 | Mar. '03 | Aug. '03 | MAR. '04 | AUG. '04 | Apr. '05 | Aug. '05 | APR. '06 | Aug. '06 | Mar. '07 | Aug. '07 | Mar. '08 | Aug. '08 | Mar. '09 | Aug. '09 | Mar. '10 | Aug. '10 |     |          |         |
| MW-3DR | 803     | 803     | 802      | 803      | 804      | 803      | 803      | 803      | 804      | 803      | 805      | 805      | 805      | 805      | 805      | 805      | 805      | 798      | 800 |          |         |
| MW-7D  | 796     | 796     | 796      | 796      | 797      | 796      | 796      | 796      | 796      | 795      | 796      | 796      | 794      | 795      | 795      | 796      | 795      | 795      | 795 |          |         |
| MW-8D  | 809     | 809     | 808      | 809      | 809      | 809      | 809      | 809      | 810      | 810      | 810      | 810      | 810      | 810      | 810      | 810      | 807      | 807      | 807 |          |         |
| MW-1D  | 819     | 819     | 817      | 818      | 818      | 819      | 818      | 819      | 819      | 818      | 819      | 821      | 821      | 821      | 821      | 822      | 822      | 799      | 813 |          |         |
| MW-6D  | 783     | 782     | 784      | 782      | 783      | 780      | 784      | 782      | 783      | 782      | 785      | 782      | 783      | 782      | 784      | 782      | 783      | 783      | 783 |          |         |
| P-6D   | 793     | 793     | 793      | 792      | 793      | 792      | 792      | 792      | 792      | 791      | 793      | 793      | 793      | 794      | 793      | 793      | 792      | 792      | 792 |          |         |

#  
FIG. 5



# PALMER L/FILL; BEDROCK GW ELEV.

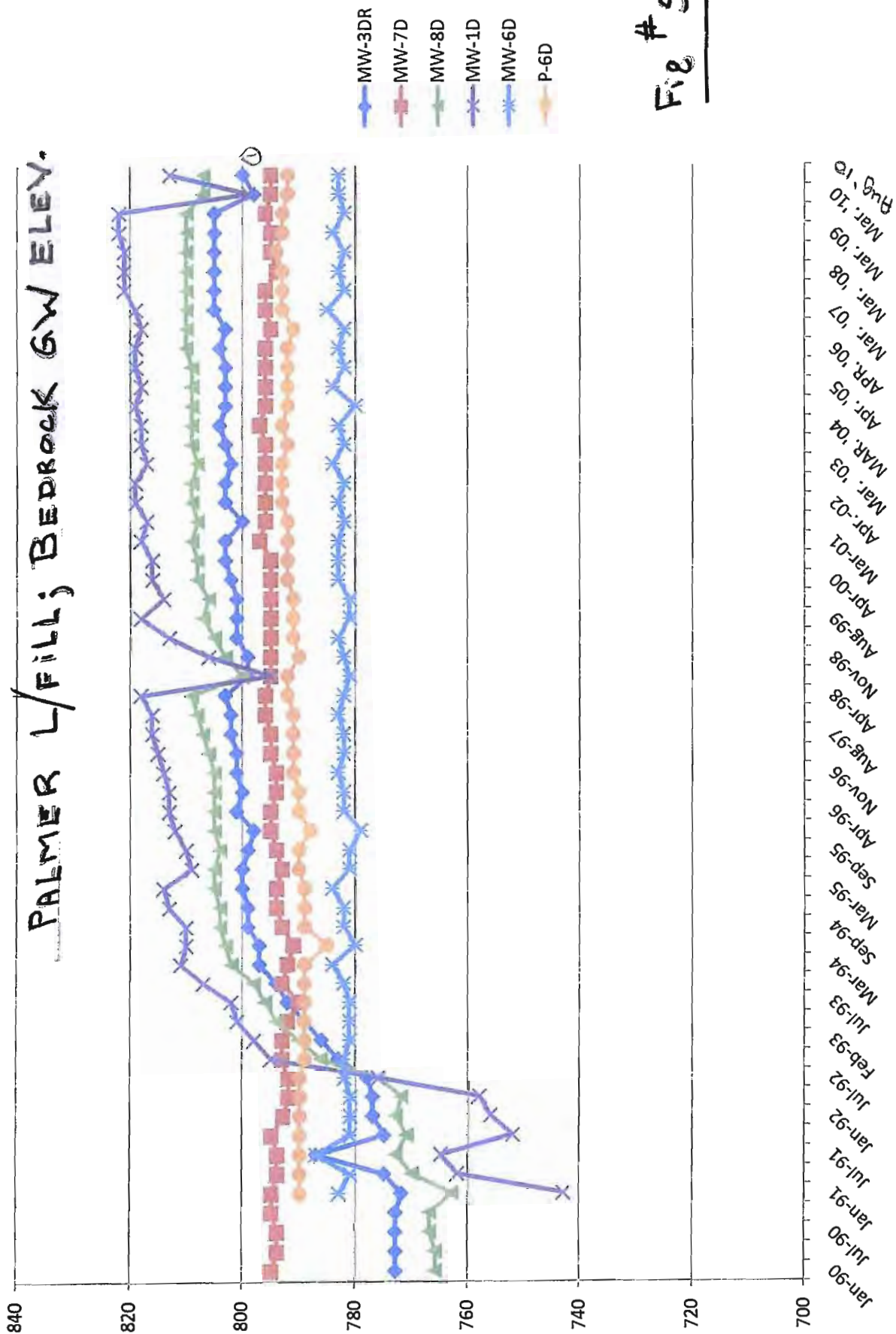


Fig # 5

① Village using Aquifer - Lower Level

FEV. ABOVE SEA LEVEL

## 5.0 GROUNDWATER FLOW

A WATER TABLE ISOPOTENTIAL MAP, BEDROCK ISOPOTENTIAL MAP AND A BEDROCK WATER LEVEL HYDROGRAPH HAVE BEEN PREPARED FOR THE PALMER STREET LANDFILL AND ARE PRESENTED IN FIGURES 3,4 AND 5, RESPECTIVELY. GROUNDWATER ELEVATIONS MEASURED THROUGH 2010 WERE USED IN PREPARING THE WATER TABLE AND BEDROCK ISOPOTENTIAL MAP INDICATED THAT THE SHALLOW GROUNDWATER FLOW IS PRIMARILY TO THE EAST TOWARD CATTARAUGUS CREEK. THE BEDROCK ISOPOTENTIAL MAP AND THE BEDROCK WATER LEVEL HYDROGRAPH ILLUSTRATE A "LEVELING OFF" AFTER THREE YEARS ('92-'94) OF RISING LEVELS AT WELLS MW-1D, MW-3DR AND MW-8D. MW-1D AND MW-8D, WHICH WERE FORMERLY DOWNGRAIENT WELLS ARE NOW UPGRADIENT OF THE LANDFILL.

AS PREVIOUSLY MENTIONES, DUE TO FLOOD DAMAGE TO THE VILLAGE RESERVIOR, (8/09) THE VILLAGE WAS OBTAINING ITS' WATER SUPPLY FROM THE DEEP WELLS. THESE WELLS TAP THE DEEP AQUIFER. THIS WAS CURTAILED SOMEWHAT IN 2010.

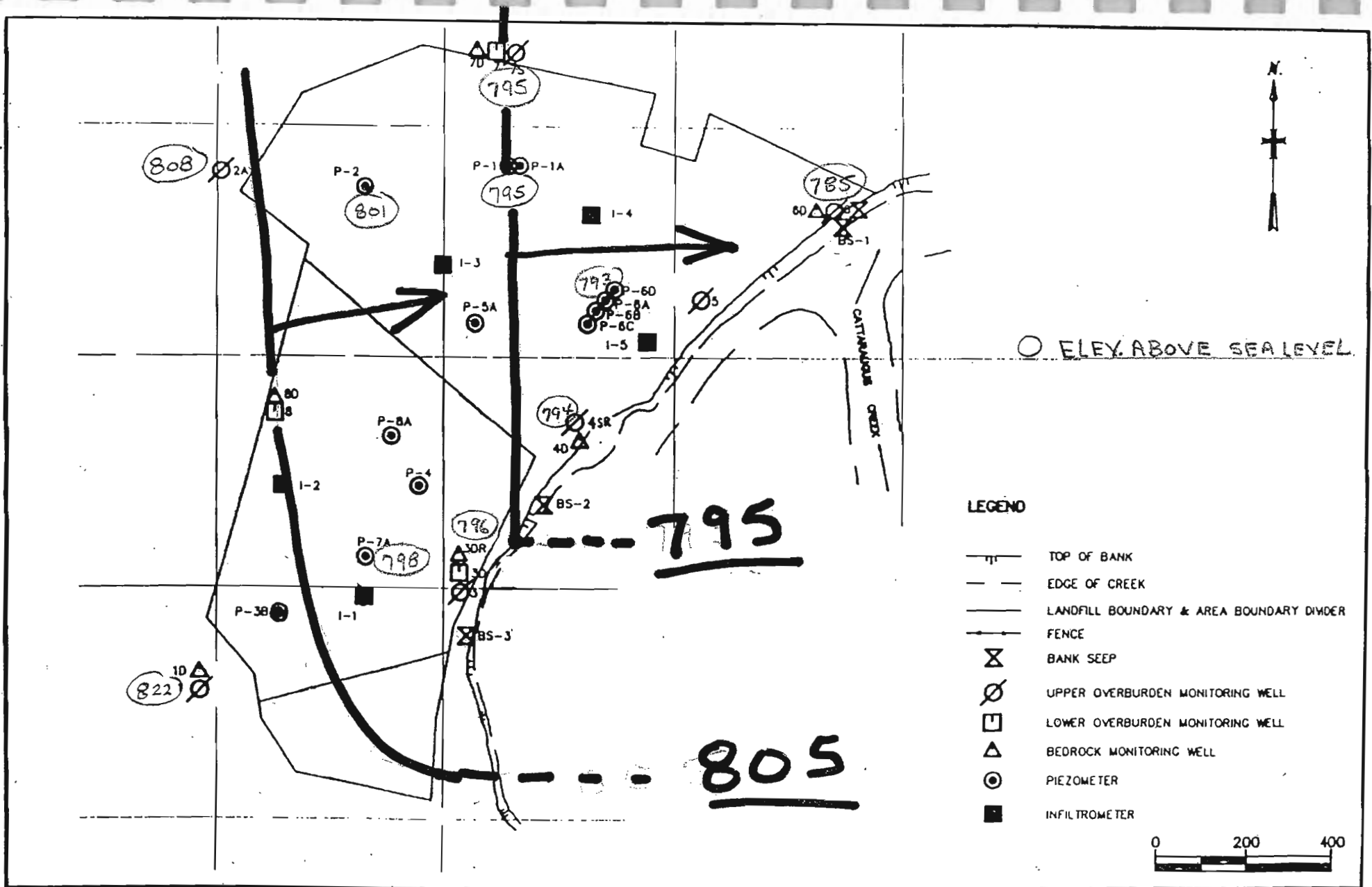
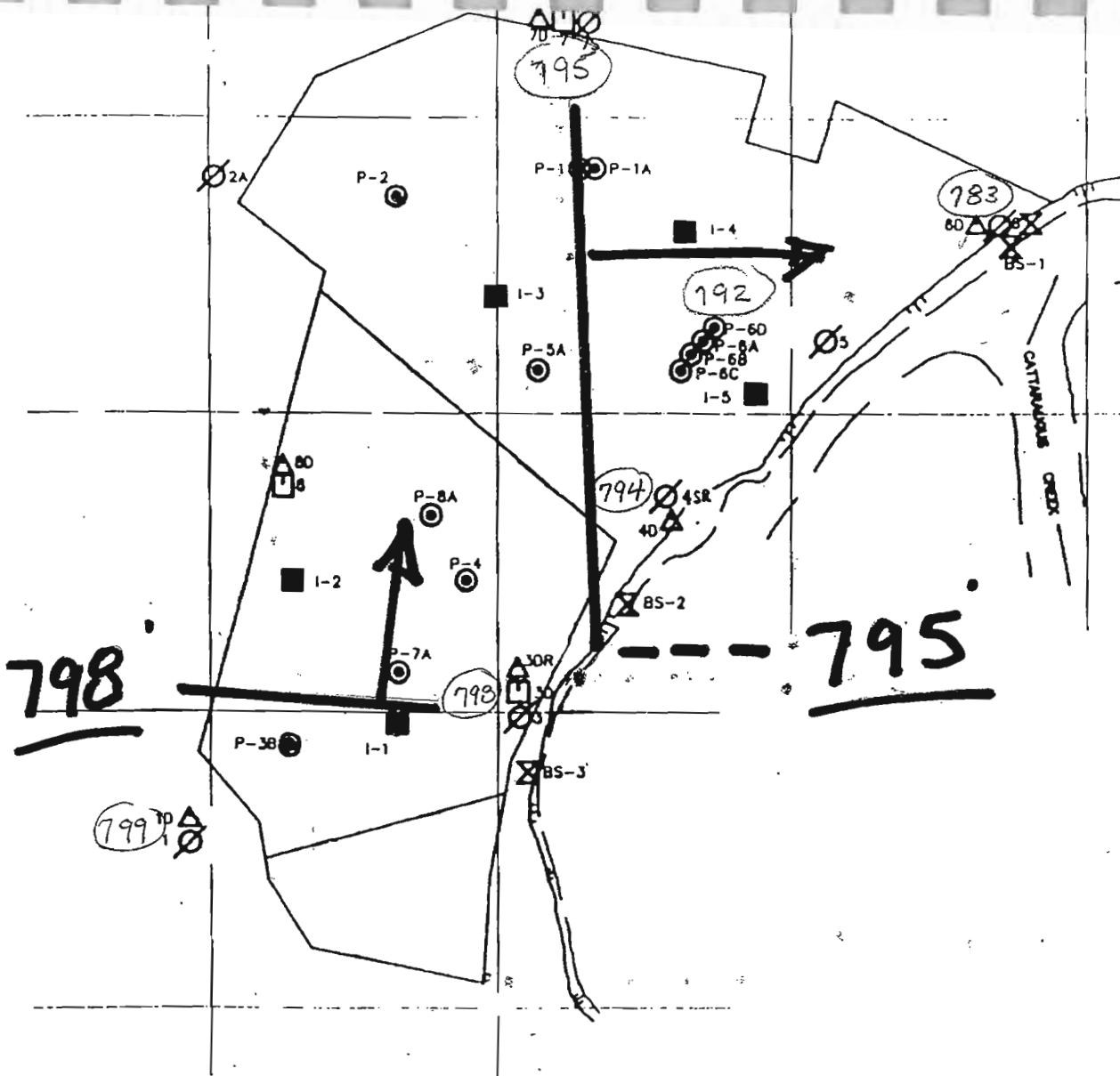


FIG. # 8

PALMER STREET LANDFILL  
 WATERTABLE ISOPOTENTIAL MAP  
 3/23/10 MONITORING EVENT





○ ELEV. ABOVE SEA LEV.

LEGEND

- TOP OF BANK
- - - EDGE OF CREEK
- LANDFILL BOUNDARY & AREA BOUNDARY DIVIDER
- FENCE
- ⊗ BANK SEEP
- ⊘ UPPER OVERBURDEN MONITORING WELL
- LOWER OVERBURDEN MONITORING WELL
- △ BEDROCK MONITORING WELL
- ⊙ PIEZOMETER
- INFILTROMETER



PALMER STREET LANDFILL  
 BEDROCK ISOPOTENTIAL MAP  
 3/23/10 MONITORING EVENT

MOENCH TANNING COMPANY JULY 1992

FIG. # 8

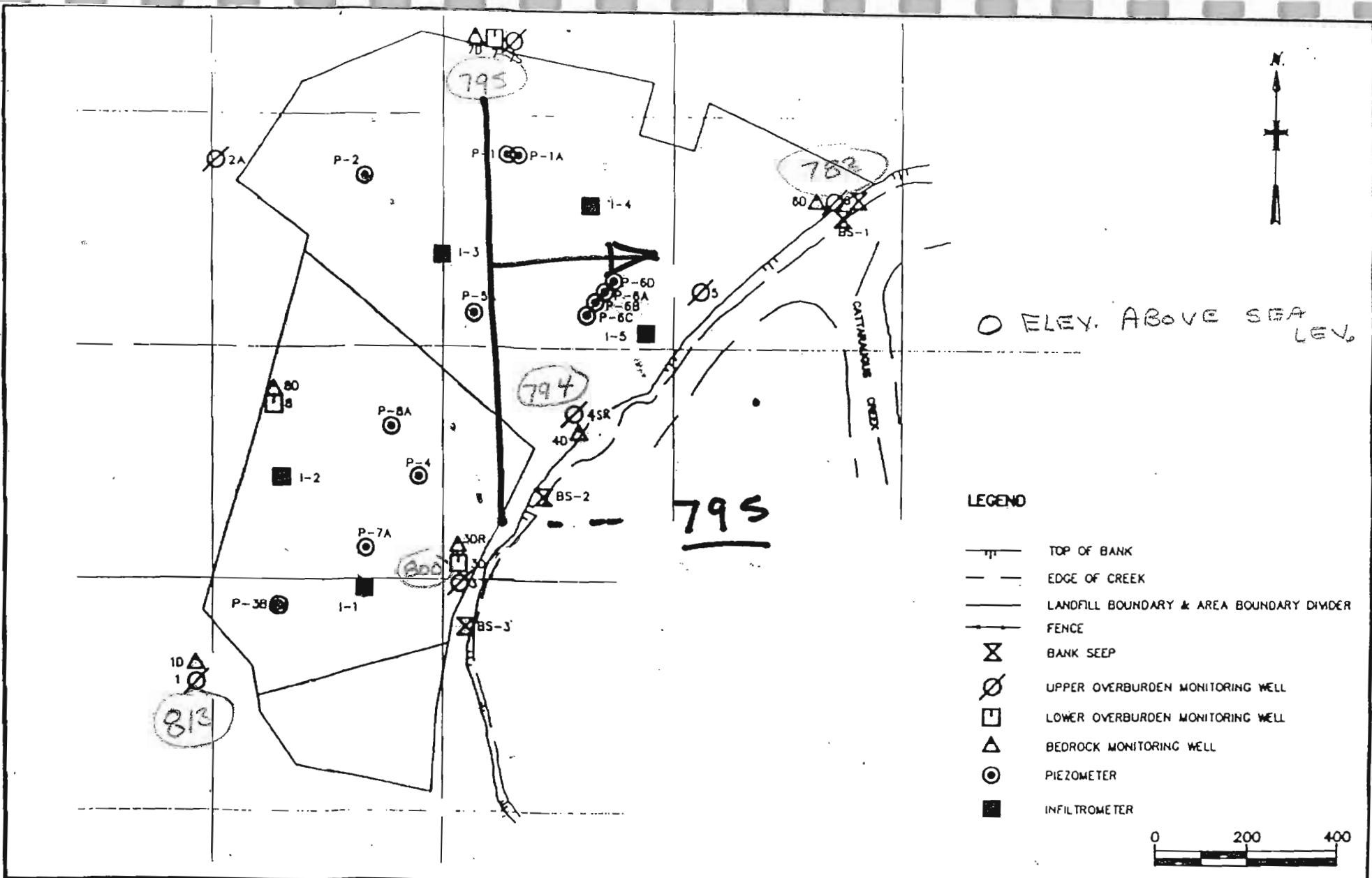
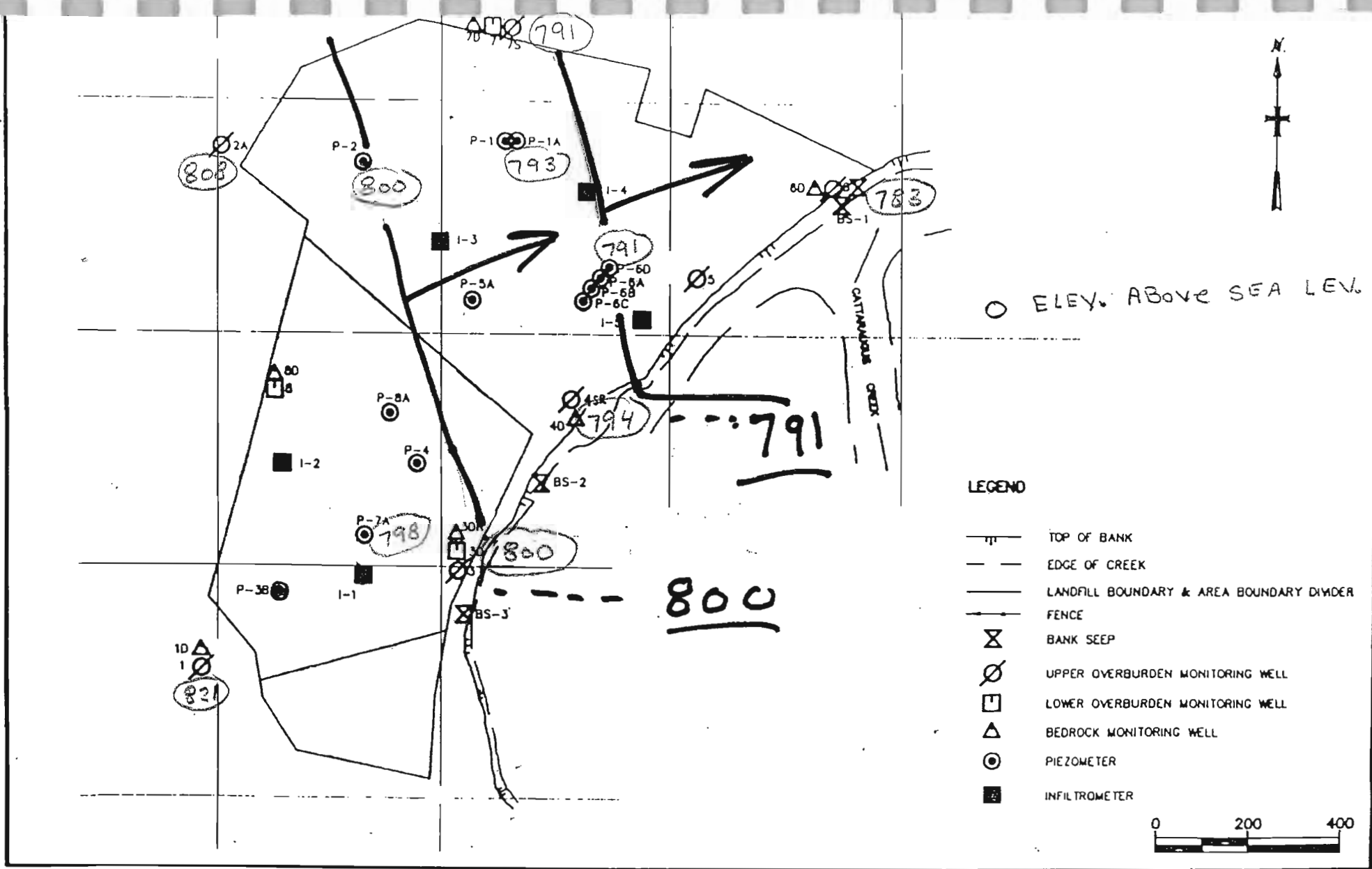


FIG. # 10

PALMER STREET LANDFILL  
 WATER TABLE ISOPOTENTIAL MAP  
 7-26-10 MONITORING EVENT

MOENCH T & COMPANY JULY 1992

FIGURE



WATER TABLE PALMER STREET LANDFILL  
 BEDROCK ISOPOTENTIAL MAP  
 7-26-10 MONITORING EVENT

FIG. # 11

MOENCH TANNING COMPANY JULY 1992

FIGURE

6.0 REFERENCES

1. PALMER STREET LANDFILL CLOSURE/POST CLOSURE PLAN (EPA ID. NYDOO2126910), PREPARED BY MALCOLM PIRNIE, INC. REVISED FEBRUARY 1989, July 1993, Dec. 2006.
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8. (previously #3) Letter to Mr. Jeffrey Smith, Moench Tanning Co., from New York State Dept. of Environmental Conservation, dated  
A August 31, 1993.
9. JULY 27<sup>TH</sup>, 2006 LETTER FROM GEOMATRIX TO STAN RADON(NYSDEC9), DOCUMENTING A JULY 19<sup>TH</sup> MEETING IN WHICH REVISIONS TO THE GROUNDWATER MONITORING SYSTEM WERE AGREED UPON.
10. SEPTEMBER 7<sup>TH</sup>, 2006 LETTER FROM STAN RADON(NYSDEC9), TO JEFFREY SMITH(MOENCH), CONFIRMING THE AGREEMENT TO REVISED GROUNDWATER MONITORING SYSTEM, AND COVER SYSTEM EVALUATION ELIMINATION.

ATTACHMENT B1

PALMER ST. LANDFILL

FIELD MEASUREMENT TRENDS

MONITORING EVENTS MARCH '10

JULY '10

| PALMER ST L/F, MOENCH COMPANY |          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|-------------------------------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| "PH" vs TIME                  |          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| MONITOR POINTS & BANK SEEP    |          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                               | Jan-90   | Apr-90 | Jul-90 | Oct-90 | Jan-91 | May-91 | Jul-91 | Oct-91 | Jan-92 | May-92 | Jul-92 | Oct-92 | Feb-93 | May-93 | Jul-93 | Nov-93 | Mar-94 | Jun-94 | Sep-94 | Dec-94 |
| MW-1D                         | 8.2      | 7.5    | 7.7    | 7.9    | 7.4    | 7.9    | 7.8    | 8      | 7.8    | 7.9    | 7.6    | 8      | 8.3    | 8.3    | 7.3    | 7.5    | 7      | 7.1    | 7      | 6.9    |
| P-6D                          | START 94 |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 7.3    | 7.2    | 7.1    | 7      |
| MW-3DR                        | 8.3      | 8      | 7.2    | 8.1    | 7.5    | 8      | 8.5    | 8.2    | 8.4    | 8      | 8.2    | 7.8    | 7.7    | 8.8    | 7.6    | 8      | 7.2    | 7.2    | 7.2    | 7      |
| MW-5                          | 7        | 7.3    | 7      | 7      | 7.2    | 7      | 7      | 7.1    | 7.3    | 7.1    | 7      | 6.9    | 7.3    | 7.4    | 6.8    | 7.2    |        |        |        |        |
| MW-6D                         | 6.6      | 6.7    | 6.7    | 6.7    | 6.7    | 6.7    | 8      | 6.9    | 6.9    | 6.7    | 6.7    | 6.5    | 6.9    | 7      | 6.6    | 6.7    | 7.1    | 7.4    | 7.5    | 7.2    |
| MW-4SR                        |          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| MW-4D                         | 6.8      |        |        |        | 6.9    | 7      | 6.8    |        |        |        |        |        |        |        |        |        | 7.2    | 7.2    | 7.5    | 7      |
| MW-3                          |          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| MW-3D                         |          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| MW-6                          |          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |

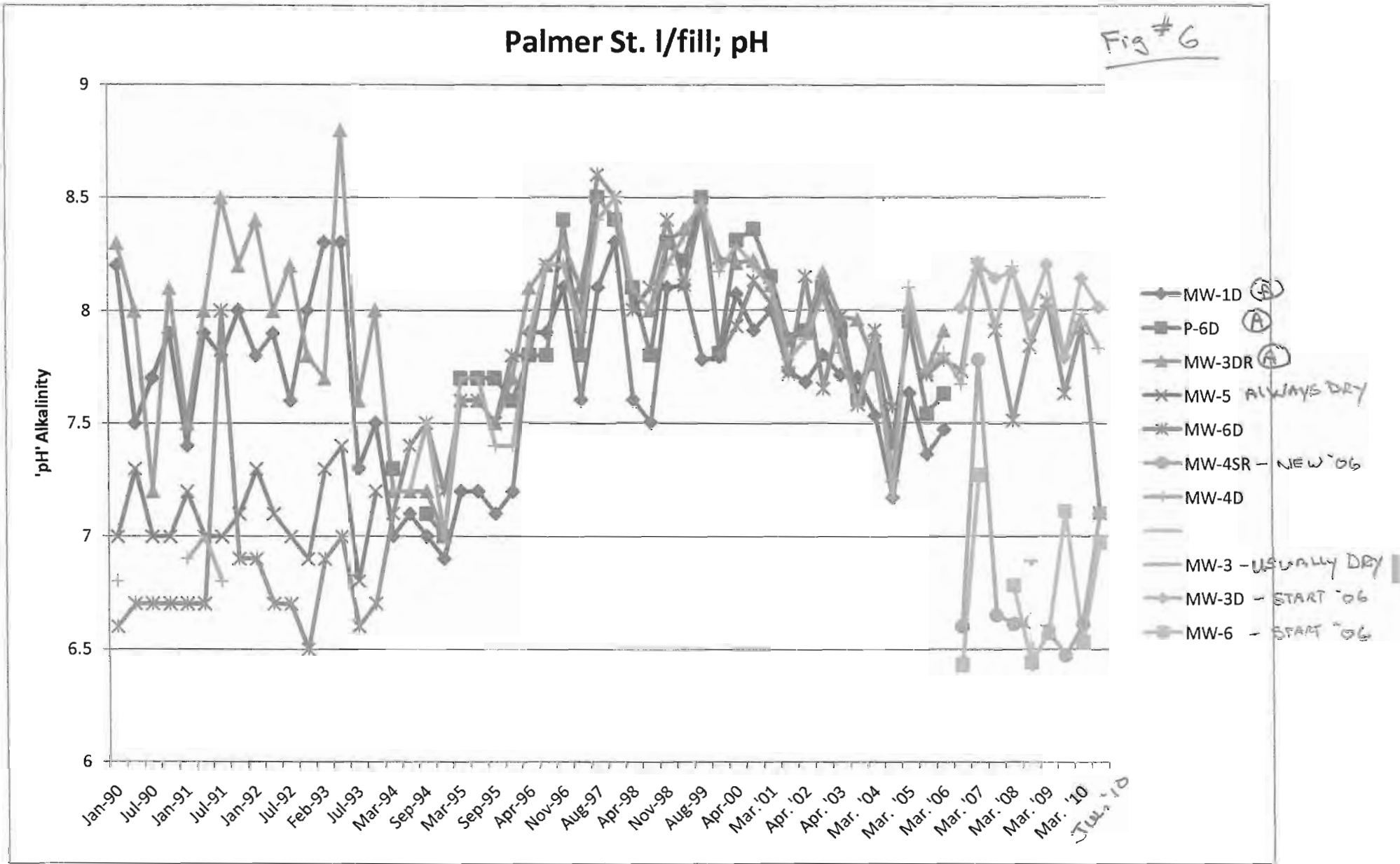
|        | Mar-95 | Jun-95 | Sep-95 | Dec-95 | Apr-96 | Aug-96 | Nov-96 | Apr-97 | Aug-97 | Nov-97 | Apr-98 | Aug-98 | Nov-98 | Apr-99 | Aug-99 | Nov-99 | Apr-00 | Sep-00 | Mar-'01 | Aug-'01 |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| MW-1D  | 7.2    | 7.2    | 7.1    | 7.2    | 7.9    | 7.9    | 8.1    | 7.6    | 8.1    | 8.3    | 7.6    | 7.5    | 8.1    | 8.11   | 7.78   | 7.79   | 8.07   | 7.91   | 8       | 7.73    |
| P-6D   | 7.7    | 7.7    | 7.7    | 7.6    | 7.8    | 7.8    | 8.4    | 7.8    | 8.5    | 8.4    | 8.1    | 7.8    | 8.3    | 8.22   | 8.5    | 7.81   | 8.31   | 8.36   | 8.15    | 7.87    |
| MW-3DR | 7.6    | 7.6    | 7.5    | 7.7    | 8.1    | 8.2    | 8.3    | 8.1    | 8.5    | 8.4    | 8.1    | 8      | 8.3    | 8.36   | 8.47   | 8.23   | 8.21   | 8.22   | 8.11    | 7.88    |
| MW-5   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |         |         |
| MW-6D  | 7.6    | 7.6    | 7.5    | 7.8    | 7.8    | 8.2    | 8.2    | 8      | 8.6    | 8.5    | 8      | 8.1    | 8.4    | 8.11   | 8.46   | 7.8    | 7.93   | 8.13   | 8.03    | 7.72    |
| MW-4SR |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |         |         |
| MW-4D  | 7.7    | 7.7    | 7.4    | 7.4    | 7.9    | 8.2    | 8.2    | 7.9    | 8.4    | 8.5    | 8.1    | 8      | 8.2    | 8.33   | 8.49   | 8.17   | 8.29   | 8.2    | 8.1     | 7.78    |
| MW-3   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |         |         |
| MW-3D  |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |         |         |
| MW-6   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |         |         |

|        | Apr. '02 | Aug. '02 | Apr. '03 | Aug. '03 | Mar. '04 | Aug. '04 | Mar. '05 | Aug. '05 | Mar. '06 | Aug. '06          | Mar. '07 | July '07 | Mar. '08 | Aug. '08 | Mar. '09 | Aug. '09 | Mar. '10 | July '10 |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| MW-1D  | 7.68     | 7.8      | 7.71     | 7.7      | 7.53     | 7.17     | 7.63     | 7.36     | 7.47     |                   |          |          |          |          |          |          |          |          |
| P-6D   | 7.91     | 8.1      | 7.91     | 7.61     | 7.82     | 7.41     | 7.95     | 7.54     | 7.63     |                   |          |          |          |          |          |          |          |          |
| MW-3DR | 7.91     | 8.17     | 7.97     | 7.96     | 7.76     | 7.27     | 8.02     | 7.73     | 7.91     |                   |          |          |          |          |          |          |          |          |
| MW-5   |          |          |          |          |          |          |          |          |          |                   |          |          |          |          | dry      | dry      | dry      | dry      |
| MW-6D  | 8.15     | 7.65     | 7.97     | 7.58     | 7.91     | 7.57     |          | 7.71     | 7.78     | 7.73              | 8.2      | 7.91     | 7.51     | 7.84     | 8.04     | 7.63     | 7.92     | 7.1      |
| MW-4SR |          |          |          |          |          |          |          |          |          | 6.6               | 7.78     | 6.65     | 6.61     | 6.62     | 6.58     | 6.47     | 6.61     | 7.1      |
| MW-4D  | 7.87     | 8.07     | 7.81     | 7.57     | 7.87     | 7.17     | 8.1      | 7.73     | 7.81     | 7.67              | 8.21     | 7.92     | 8.19     | 7.87     | 8.05     | 7.79     | 7.98     | 7.83     |
| MW-3   |          |          |          |          |          |          |          |          |          | new sample locat. |          |          |          |          |          |          |          |          |
| MW-3D  |          |          |          |          |          |          |          |          |          | 8.01              | 8.21     | 8.14     | 8.17     | 6.89     | dry      | dry      | dry      | dry      |
| MW-6   |          |          |          |          |          |          |          |          |          | 6.43              | 7.27     |          | 6.78     | 6.44     | 6.57     | 7.11     | 6.53     | 6.97     |

FIG. # 6

# Palmer St. I/fill; pH

Fig # 6



(A) NO LONGER SAMPLED.

| PALMER ST L/F, MOENCH COMPANY |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|-------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| "PH" vs TIME                  |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| MONITOR POINTS & BANK SEEPS   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| FIG.#6                        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                               | Jan-90 | Apr-90 | Jul-90 | Oct-90 | Jan-91 | May-91 | Jul-91 | Oct-91 | Jan-92 | May-92 | Jul-92 | Oct-92 | Feb-93 | May-93 | Jul-93 | Nov-93 | Mar-94 | Jun-94 | Sep-94 | Dec-94 |
| P-6B                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 7.1    | 7.1    | 7      | 7      |
| MW-7D                         | 7.7    | 7.8    | 7.9    | 8      | 7.5    | 7.8    | 7.8    | 7.8    | 7.8    | 8.2    | 8.2    | 7.9    | 7.8    | 8.3    | 7.8    | 8.3    | 7.1    | 7.2    | 7.1    | 7      |
| MW-8D                         | 10     | 9.2    | 9      | 9.5    | 9      | 9.3    | 9.1    | 8.6    | 8.8    | 8.7    | 8.8    | 8.6    | 8.8    | 8.6    | 8.1    |        |        |        |        | 7.8    |
| BS-1                          | 7.1    | 7.3    | 6.7    | 6.9    | 7.4    | 7      |        |        | 8.5    | 7.7    | 7.6    | 7.8    | 8.1    | 7.5    |        | 8.1    | 7.7    | 7.1    | 7.1    | 7.1    |
| BS-3                          | 7      | 7.3    | 7.1    | 7.3    | 7.1    | 7.3    |        | 7.9    | 7.6    | 7.2    | 7.1    | 7.4    | 7.1    | 7.8    |        | 7.9    | 7.3    | 6.6    | 6.8    | 6.9    |
| BS-2                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |

| Fig. #6 |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |         |         |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
|         | Mar-95 | Jun-95 | Sep-95 | Dec-95 | Apr-96 | Aug-96 | Nov-96 | Apr-97 | Aug-97 | Nov-97 | Apr-98 | Aug-98 | Nov-98 | Apr-99 | Aug-99 | Nov-99 | Apr-00 | Sep-00 | Mar-'01 | Aug-'01 |
| P-6B    | 7.1    | 7.1    | 7.2    | 7.2    | 7.6    | 7.8    | 8.2    | 7.6    | 8.4    | 8.4    | 7.9    | 7.1    | 8.3    | 8.1    | 8.16   | 7.67   | 8.41   | 8.32   | 8.36    | 7.58    |
| MW-7D   | 7.6    | 7.6    | 7.4    | 7.6    | 7.9    | 8.2    | 8.2    | 7.8    | 8.4    | 8.4    | 8      | 8      | 8.2    | 8.4    | 8.48   | 7.93   | 8.32   | 8.12   | 8.05    | 7.78    |
| MW-8D   |        |        | 7.8    |        |        | 8.2    |        |        | 8.5    | 8.2    | 7.9    |        |        |        |        | 8.08   | 8.44   |        |         | 7.83    |
| BS-1    | 7.2    | 7.1    | 7.1    | 7.1    | 7      |        | 9      | 7      | 8.2    | 8.3    | 8.2    | 7.8    | 7.9    | 7.83   | 8.45   | 7.9    | 7.47   | 7.87   | 7.45    | 7.38    |
| BS-3    | 6.7    | 7.3    | 6.9    | 7.3    | 8.1    |        | 8.3    | 8.2    | 8.3    | 8.1    | 7.4    | 7.9    | 7.5    | 7.64   | 8.3    | 7.66   | 7.76   | 7.42   | 8.67    | 7.4     |
| BS-2    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |         |         |

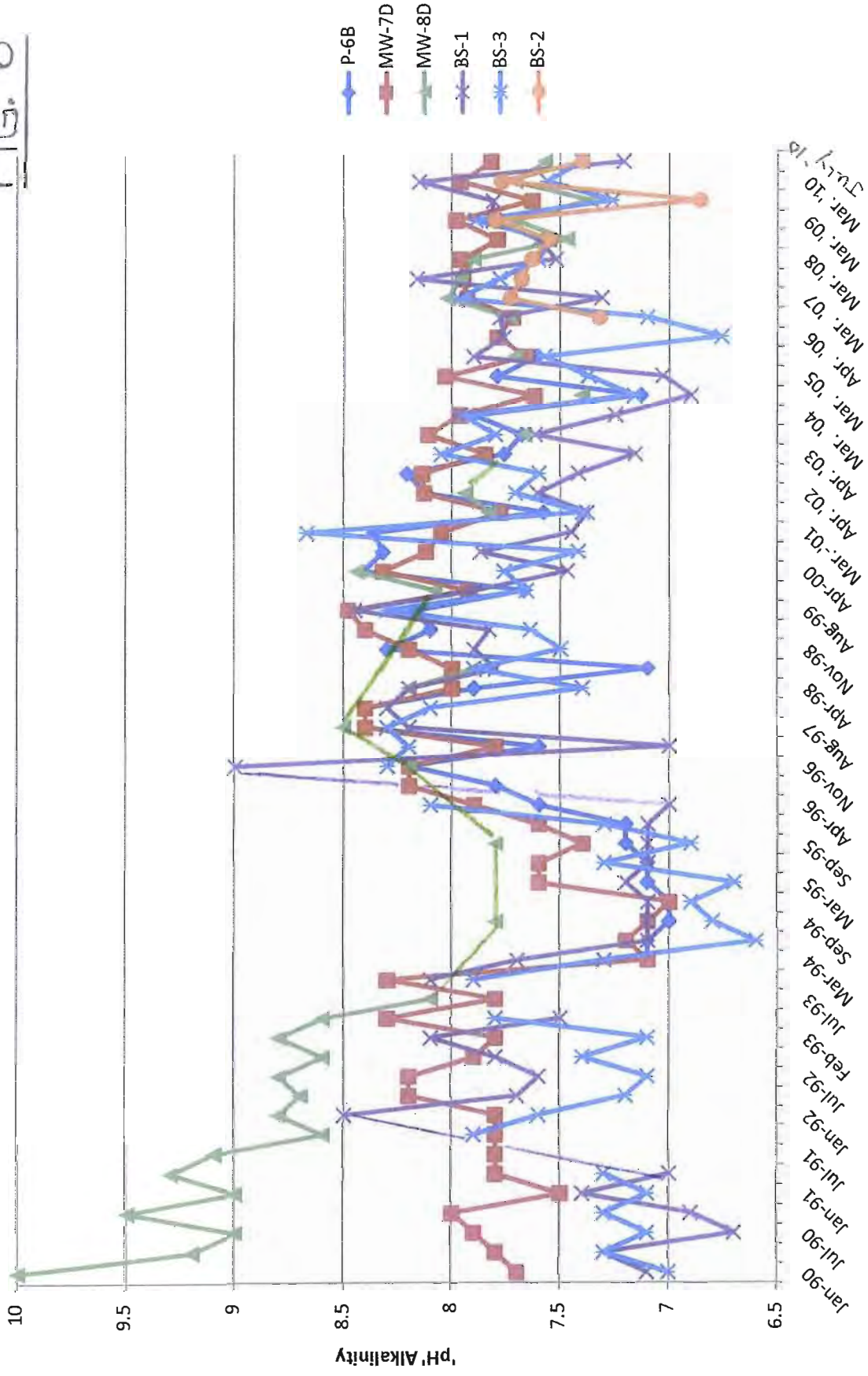
#  
FIG. 6

| Figure #6 |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |           |          |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|
|           | Apr. '02 | Aug. '02 | Apr. '03 | Aug. '03 | Mar. '04 | Aug. '04 | Mar. '05 | Aug. '05 | Apr. '06 | Aug. '06 | Mar. '07 | Aug. '07 | Mar. '08 | Aug. '08 | Mar. '09 | Aug. '09 | Mar. '10  | July '10 |
| P-6B      | 8.12     | 8.21     | 7.76     | 7.68     | 7.9      | 7.13     | 7.79     | 7.61     |          |          |          |          |          |          |          |          | no longer |          |
| MW-7D     | 8.13     | 8.14     | 7.85     | 8.11     | 7.97     | 7.62     | 8.03     | 7.66     | 7.79     | 7.72     | 7.93     | 7.95     | 7.96     | 7.79     | 7.98     | 7.63     | 7.96      | 7.82     |
| MW-8D     | 7.94     |          |          | 7.67     |          | 7.4      |          | 7.71     |          | 7.73     | 8.02     | 7.96     | 7.9      | 7.47     | 7.71     | 7.36     | 7.71      | 7.57     |
| BS-1      | 7.61     | 7.42     | 7.16     | 7.62     | 7.25     | 6.9      | 7.03     | 7.9      | 7.76     | 7.78     | 7.31     | 8.16     | 7.52     | 7.6      | 7.81     | 7.81     | 8.15      | 7.21     |
| BS-3      | 7.71     | 7.6      | 8.05     | 7.8      | 7.96     | 7.16     | 7.37     | 7.57     | 6.76     | 7.1      | 7.97     | 7.78     | 7.6      | 7.55     | 7.89     | 7.26     | 7.56      | 7.4      |
| BS-2      |          |          |          |          |          |          |          |          |          | 7.32     | 7.73     | 7.68     | 7.63     | 7.55     | 7.8      | 6.86     | 7.77      | 7.4      |



# Palmer St. I/fill; 'pH'

## FIG. # 6



| PALMER ST L/F; MOENCH CO.     |         |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|-------------------------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| SPECIFIC CONDUCTIVITY vs TIME |         |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| MONITOR WELLS & BANK SEEPS    |         |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| FIGURE#7                      |         |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                               | Jan-90  | Apr-90 | Jul-90 | Oct-90 | Jan-91 | May-91 | Jul-91 | Oct-91 | Jan-92 | May-92 | Jul-92 | Oct-92 | Feb-93 | May-93 | Jul-93 | Nov-93 | Mar-94 | Jun-94 | Sep-94 | Dec-94 |
| MW-1D                         | 0.6     | 0.8    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 1      | 1      | 0.8    | 0.9    |
| P-6B                          | START94 |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 0.7    | 0.6    | 0.6    | 0.9    |
| MW-3DR                        | 0.6     | 0.8    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.7    | 0.6    | 0.7    | 0.7    | 0.6    | 0.4    | 0.8    |
| MW-5                          | 3.8     | 2.7    | 1.5    | 1.7    | 1.9    | 5      | 3      | 4.2    | 5.8    | 4.2    | 4.1    | 4.2    | 4      | 6.8    | 3.3    | 3.7    |        |        |        |        |
| MW-6D                         | 5.3     | 5.4    | 4.9    | 3.1    | 3.5    | 3.6    | 3.2    | 4.9    | 4.1    | 3.3    | 2.8    | 2.8    | 2.7    | 4.3    | 3.8    | 3.3    | 1      | 0.9    | 1.1    | 1.1    |
| MW-4D                         |         |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 2.6    | 0.6    | 0.8    | 0.7    | 0.8    |
| MW-3                          |         |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| MW-3D                         |         |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| MW-4SR                        |         |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |

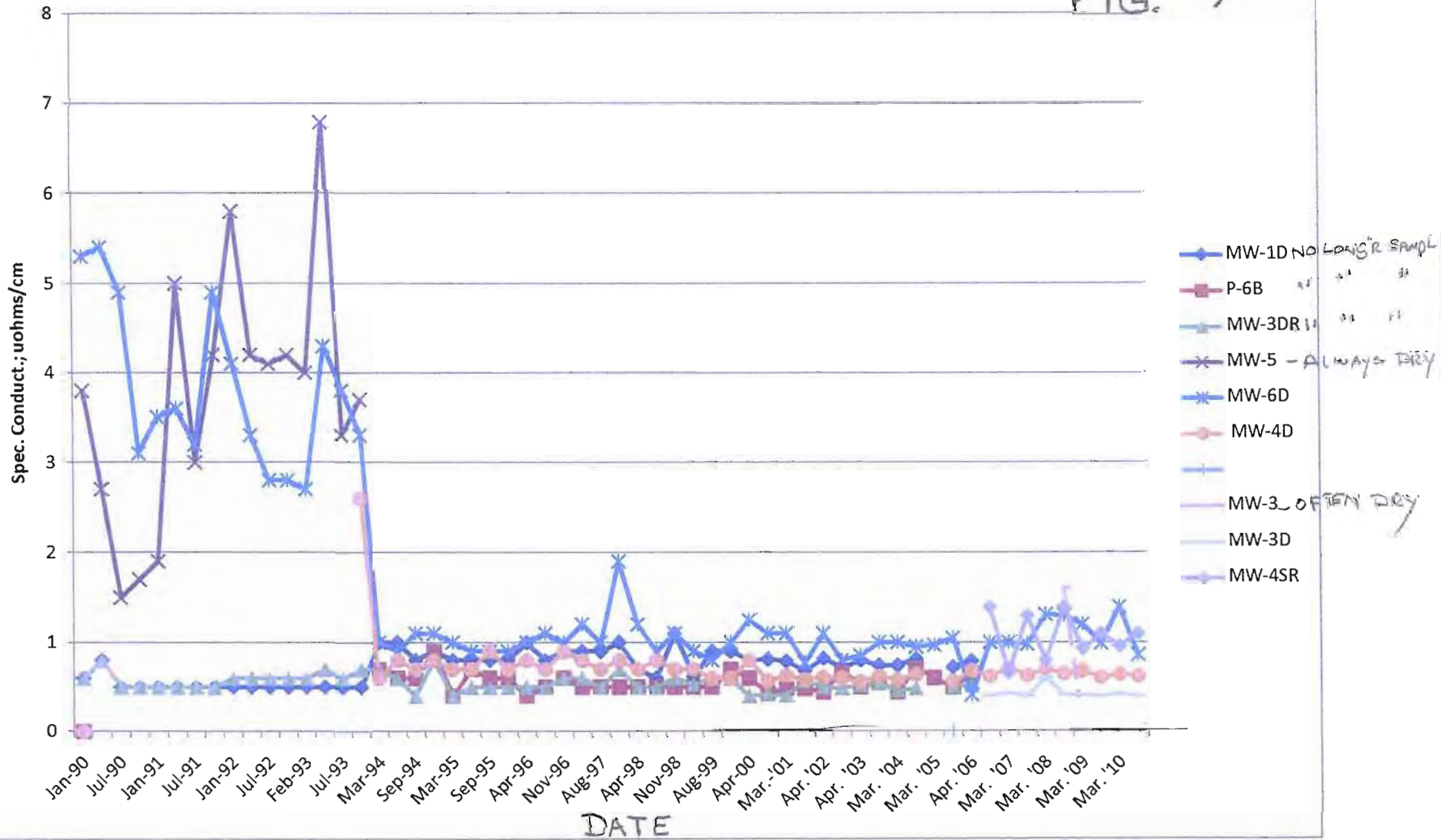
| Fig. #7 |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |         |         |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
|         | Mar-95 | Jun-95 | Sep-95 | Dec-95 | Apr-96 | Aug-96 | Nov-96 | Apr-97 | Aug-97 | Nov-97 | Apr-98 | Aug-98 | Nov-98 | Apr-99 | Aug-99 | Nov-99 | Apr-00 | Sep-00 | Mar-'01 | Aug-'01 |
| MW-1D   | 0.8    | 0.8    | 0.8    | 0.8    | 1      | 0.8    | 0.9    | 0.9    | 0.9    | 1      | 0.7    | 0.6    | 1.1    | 0.62   | 0.9    | 0.9    | 0.8    | 0.81   | 0.79    | 0.68    |
| P-6B    | 0.4    | 0.7    | 0.6    | 0.6    | 0.4    | 0.5    | 0.6    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.7    | 0.6    | 0.44   | 0.48    | 0.48    |
| MW-3DR  | 0.4    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.6    | 0.6    | 0.5    | 0.7    | 0.5    | 0.5    | 0.6    | 0.53   | 0.6    | 0.6    | 0.4    | 0.42   | 0.41    | 0.57    |
| MW-5    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |         |         |
| MW-6D   | 1      | 0.9    | 0.9    | 0.9    | 1      | 1.1    | 1      | 1.2    | 1      | 1.9    | 1.2    | 0.9    | 1.1    | 0.9    | 0.8    | 1      | 1.25   | 1.1    | 1.1     | 0.77    |
| MW-4D   | 0.7    | 0.7    | 0.9    | 0.7    | 0.8    | 0.7    | 0.9    | 0.8    | 0.7    | 0.8    | 0.7    | 0.8    | 0.7    | 0.7    | 0.6    | 0.6    | 0.8    | 0.57   | 0.63    | 0.58    |
| MW-3    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |         |         |
| MW-3D   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |         |         |
| MW-4SR  |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |         |         |

| Fig. #7 |          |          |          |          |          |          |          |                   |          |                      |          |          |          |          |          |          |          |          |     |  |
|---------|----------|----------|----------|----------|----------|----------|----------|-------------------|----------|----------------------|----------|----------|----------|----------|----------|----------|----------|----------|-----|--|
|         | Apr. '02 | Aug. '02 | Apr. '03 | Aug. '03 | Mar. '04 | Aug. '04 | Mar. '05 | Aug. '05          | Apr. '06 | Aug. '06             | Mar. '07 | Aug. '07 | Mar. '08 | Aug. '08 | Mar. '09 | Aug. '09 | Mar. '10 | July '10 |     |  |
| MW-1D   | 0.82     | 0.71     | 0.8      | 0.74     | 0.74     | 0.81     |          | 0.72              | 0.79     |                      |          |          |          |          |          |          |          |          |     |  |
| P-6B    | 0.44     | 0.69     | 0.5      | 0.56     | 0.44     | 0.71     | 0.6      | 0.49              | 0.65     | { NO LONGER SAMPLE } |          |          |          |          |          |          |          |          |     |  |
| MW-3DR  | 0.5      | 0.49     | 0.52     | 0.54     | 0.46     | 0.48     |          | 0.5               | 0.52     |                      |          |          |          |          |          |          |          |          |     |  |
| MW-5    |          |          |          |          |          |          |          |                   |          |                      |          |          |          |          |          |          |          |          |     |  |
| MW-6D   | 1.1      | 0.8      | 0.85     | 1        | 1        | 0.95     | 0.97     | 1.05              | 0.41     |                      |          |          |          |          |          |          |          |          |     |  |
| MW-4D   | 0.61     | 0.6      | 0.56     | 0.62     | 0.58     | 0.64     |          | 0.56              | 0.68     | 0.62                 | 0.71     | 0.63     | 0.7      | 1.3      | 1.3      | 0.99     | 1.4      | 0.86     |     |  |
|         |          |          |          |          |          |          |          | New Sample points |          |                      |          |          |          |          |          |          |          |          |     |  |
| MW-3    |          |          |          |          |          |          |          |                   |          |                      |          |          |          | 1.6      | dry      | dry      | dry      | dry      |     |  |
| MW-3D   |          |          |          |          |          |          |          |                   |          | 0.4                  | 0.43     | 0.4      | 0.6      | 0.41     | 0.41     | 0.4      | 0.4      | 0.42     | 0.4 |  |
| MW-4SR  |          |          |          |          |          |          |          |                   |          | 1.4                  | 0.66     | 1.3      | 0.8      | 1.4      | 0.93     | 1.1      | 0.96     | 1.1      |     |  |

FIG # 7

# Palmer St. L/fill; Spec. Conduct.

FIG. # 7



| PALMER ST. LANDFILL, MOENCH COMPANY |         |   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|-------------------------------------|---------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| FIGURE # 7                          |         | SPECIFIC CONDUCTIVITY vs TIME (umhos/CM)(THOUSANDS) |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| MONITOR WELLS & BANK SEEPS          |         |   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                     | Jan-90  | Apr-90  | Jul-90 | Oct-90 | Jan-91 | May-91 | Jul-91 | Oct-91 | Jan-92 | May-92 | Jul-92 | Oct-92 | Feb-93 | May-93 | Jul-93 | Nov-93 | Mar-94 | Jun-94 | Sep-94 | Dec-94 |
| P-6D                                | STRT-94 |   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| MW-7D                               | 1       | 1   | 0.7    | 0.8    | 0.5    | 0.7    | 0.8    | 0.7    | 0.5    | 0.8    | 0.6    | 0.6    | 0.6    | 0.7    | 0.9    | 0.7    | 0.6    | 0.7    | 0.9    | 0.9    |
| MW-8D                               | 0.5     | 0.6   | 0.3    | 0.3    | 0.2    | 0.2    | 0.2    | 0.3    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.5    | 0.4    |        | 0.7    | 0.7    | 0.7    | 1      |
| BS-1                                | 2.7     | 2.9   | 3      | 2.9    | 1      | 1.6    |        | 1.3    | 1.3    | 1.3    | 0.6    | 0.6    | 0.6    | 0.7    |        | 0.8    | 0.7    | 0.6    |        | 0.8    |
| BS-3                                | 2.8     | 2.9   | 1.8    | 1.8    | 1      | 1.8    |        | 1.1    | 0.9    | 0.9    | 1.1    | 0.5    | 0.5    | 0.7    |        | 0.7    | 0.6    | 1      | 0.6    | 0.9    |
| BS-2                                |         |   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |

| FIGURE # |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |         |         |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
|          | Mar-95 | Jun-95 | Sep-95 | Dec-95 | Apr-96 | Aug-96 | Nov-96 | Apr-97 | Aug-97 | Nov-97 | Apr-98 | Aug-98 | Nov-98 | Apr-99 | Aug-99 | Nov-99 | Apr-00 | Sep-00 | Mar-'01 | Aug-'01 |
| P-6D     | 0.5    | 0.6    | 0.6    | 0.4    | 0.6    | 0.6    | 0.7    | 0.6    | 0.6    | 0.6    | 0.6    | 0.5    | 0.7    | 0.6    | 0.5    | 0.57   | 0.7    | 0.58   | 0.85    | 0.52    |
| MW-7D    | 0.5    | 0.5    | 0.5    | 0.6    | 0.6    | 0.6    | 0.7    | 0.7    | 0.6    | 0.7    | 0.6    | 0.7    | 0.7    | 0.62   | 0.61   | 0.59   | 0.7    | 0.6    | 0.65    | 0.58    |
| MW-8D    |        |        | 0.3    |        |        |        | 0.3    |        | 0.3    |        |        | 0.5    |        |        |        | 0.53   | 0.4    |        |         | 0.4     |
| BS-1     | 1.1    | 0.7    | 1      |        | 1      | 0.7    | 0.3    | 1.5    | 0.5    | 0.5    | 0.5    | 0.6    | 0.7    | 0.9    | 0.62   | 0.6    | 1.05   | 0.52   | 1.05    | 0.39    |
| BS-3     | 1.2    | 0.5    | 1.4    | 0.5    | 0.2    | 0.5    | 0.5    | 0.5    | 0.6    | 0.8    | 0.8    | 0.4    | 1.1    | 0.8    | 0.56   | 0.56   | 0.8    | 1.1    | 0.39    | 1.6     |
| BS-2     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |         |         |

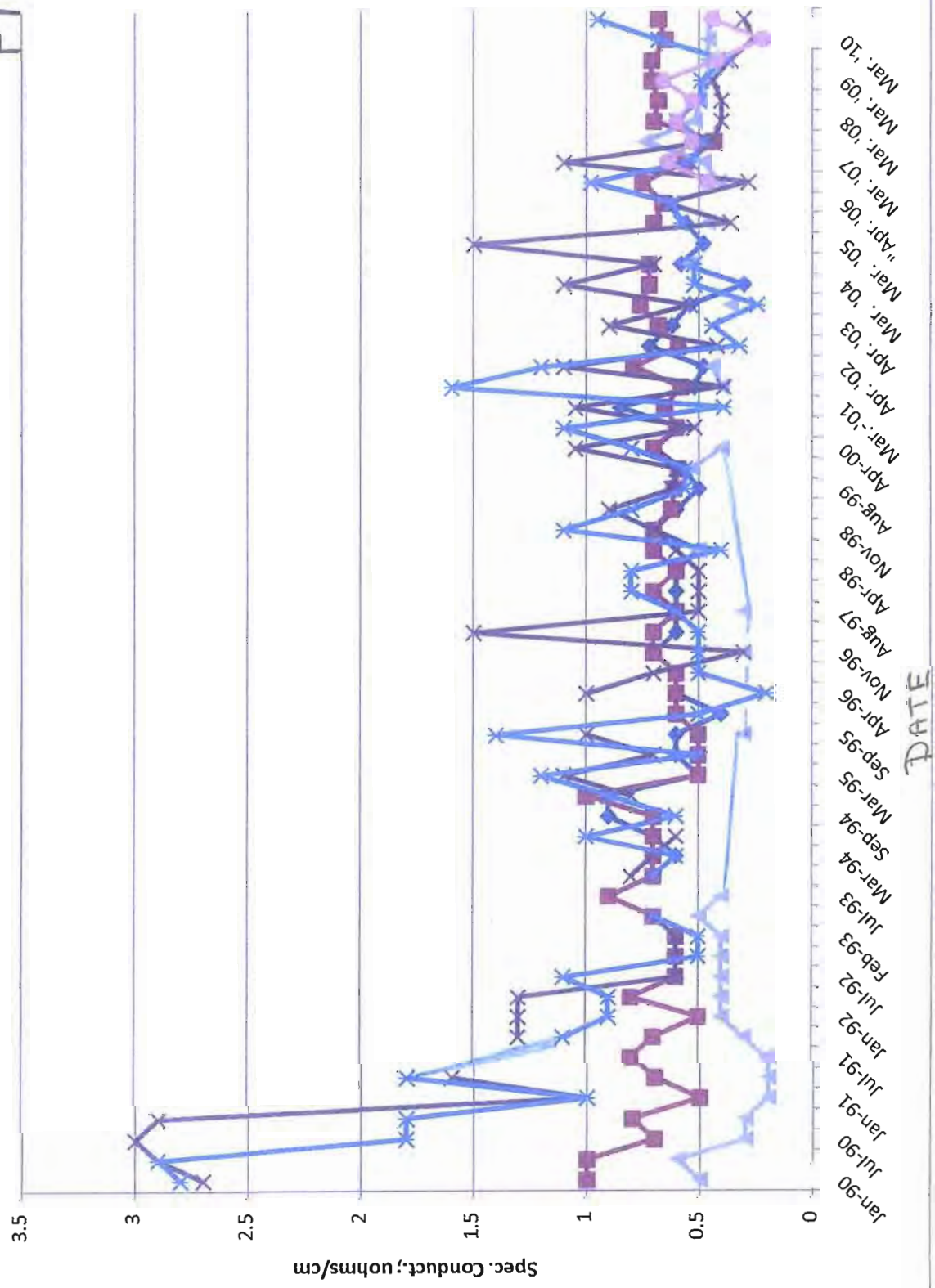
| FIGURE # |           |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |  |
|----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|--|
|          | Figure #7 |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |  |
|          | Apr. '02  | Aug. '02 | Apr. '03 | Aug. '03 | Mar. '04 | Aug. '04 | Mar. '05 | Aug. '05 | Apr. '06 | Aug. '06 | Mar. '07 | Aug. '07 | Mar. '08 | Aug. '08 | Mar. '09 | Aug. '09 | Mar. '10 | July '10 |  |  |
| P-6D     | 0.48      | 0.72     | 0.62     | 0.54     | 0.3      | 0.58     | 0.48     | 0.56     | 0.65     |          |          |          |          |          |          |          |          |          |  |  |
| MW-7D    | 0.79      | 0.59     | 0.68     | 0.76     | 0.72     | 0.72     |          | 0.7      | 0.66     | 0.75     | 0.56     | 0.43     | 0.7      | 0.68     | 0.71     | 0.71     | 0.65     | 0.68     |  |  |
| MW-8D    | 0.44      |          |          | 0.36     |          | 0.54     |          | 0.46     |          | 0.41     | 0.48     | 0.74     | 0.52     | 0.5      | 0.46     | 0.46     | 0.46     | 0.45     |  |  |
| BS-1     | 1.1       | 0.42     | 0.9      | 0.54     | 1.1      | 0.7      | 1.5      | 0.36     | 0.65     | 0.28     | 1.1      | 0.44     | 0.4      | 0.4      | 0.44     | 0.36     | 0.26     | 0.3      |  |  |
| BS-3     | 1.2       | 0.32     | 0.44     | 0.24     | 0.52     | 0.52     |          | 0.58     | 0.62     | 0.98     | 0.54     | 0.48     | 0.6      | 0.5      | 0.49     | 0.38     | 0.68     | 0.95     |  |  |
| BS-2     |           |          |          |          |          |          |          |          |          | 0.46     | 0.64     | 0.53     | 0.6      | 0.53     | 0.66     | 0.42     | 0.22     | 0.44     |  |  |

#  
FIG. 7



# Palmer St. L/fill; Spec. Conduct.

FIG. # 7



#### 43 RATE OF CONTAMINANT MIGRATION

Contaminant migration and potential environmental impacts for the Palmer Street Landfill are discussed in detail in the report entitled "Palmer Street Landfill - Evaluation of Alternative Cover Systems" prepared by Malcolm Pirnie, Inc., January 1989 (Reference 7). As described in the above-mentioned report, groundwater migrates from the landfill through the shallow water-bearing zone along both the eastern and northern boundaries of the waste/fill area. A reasonable assumption in determining the rate of contaminant migration across the site is the rate of contaminant migration is equivalent to the rate at which groundwater leaves the site. This latter calculation can be performed through the application of Darcy's Law which is expressed as:

$$V = \frac{ki}{\theta}$$

where: V = velocity of shallow groundwater flow (feet/day)  
k = hydraulic conductivity of the shallow water bearing zone (feet/day)  
i = hydraulic gradient (dimensionless)  
 $\theta$  = average porosity of the shallow water bearing zone (dimensionless)

Values for k and  $\theta$  were previously determined (see Reference 2) as 4.1 ft/day and 0.35, respectively. The hydraulic gradient (i) is measured perpendicular to the primary direction of groundwater flow (viz., to the east toward Cattaraugus Creek - see Section 5.0) using average water level elevations as measured in MW-1 and MW-3 and elevation as measured in MW-2A and MW-5 during the 1993 monitoring year. The hydraulic gradient for MW-1 and MW-3 is thus:

$$\frac{\Delta H}{\Delta X} = \frac{26.3}{600} = 0.044$$

where

$\Delta H$  = difference in average groundwater elevations between MW-1 and MW-3 (feet)

$\Delta X$  = distance between MW-1 and MW-3 (feet)

Upon inserting this value into the Darcy's Law expression for velocity, the following result is obtained:

$$V = \frac{K_i}{\theta} \frac{(4.1)(0.044)}{0.35} = 0.52 \text{ ft/day}$$

Thus, the rate of contaminant migration across the site is approximately 0.52 feet/day between monitoring wells MW-1 and MW-3.

The hydraulic gradient for MW-2A and MW-5 is as follows:

$$\frac{\Delta H}{\Delta X} = \frac{24.5}{1085} = 0.022$$

$\Delta H$  = difference in average groundwater elevations between MW-2A and MW-5 (feet)

$\Delta X$  = distance between MW-2A and MW-5 (feet)

$$V = \frac{K_i}{\theta} \frac{(4.1)(0.022)}{0.35} = 0.26 \text{ ft/day}$$

The rate of contaminant migration across the site is approximately 0.26 ft/day between monitoring wells MW-2A and MW-5.

**ATTACHMENT C**

**SOLUBLE METALS CONCENTRATION VS. TIME**

MONITORING EVENTS: MARCH 2010  
JULY 2010



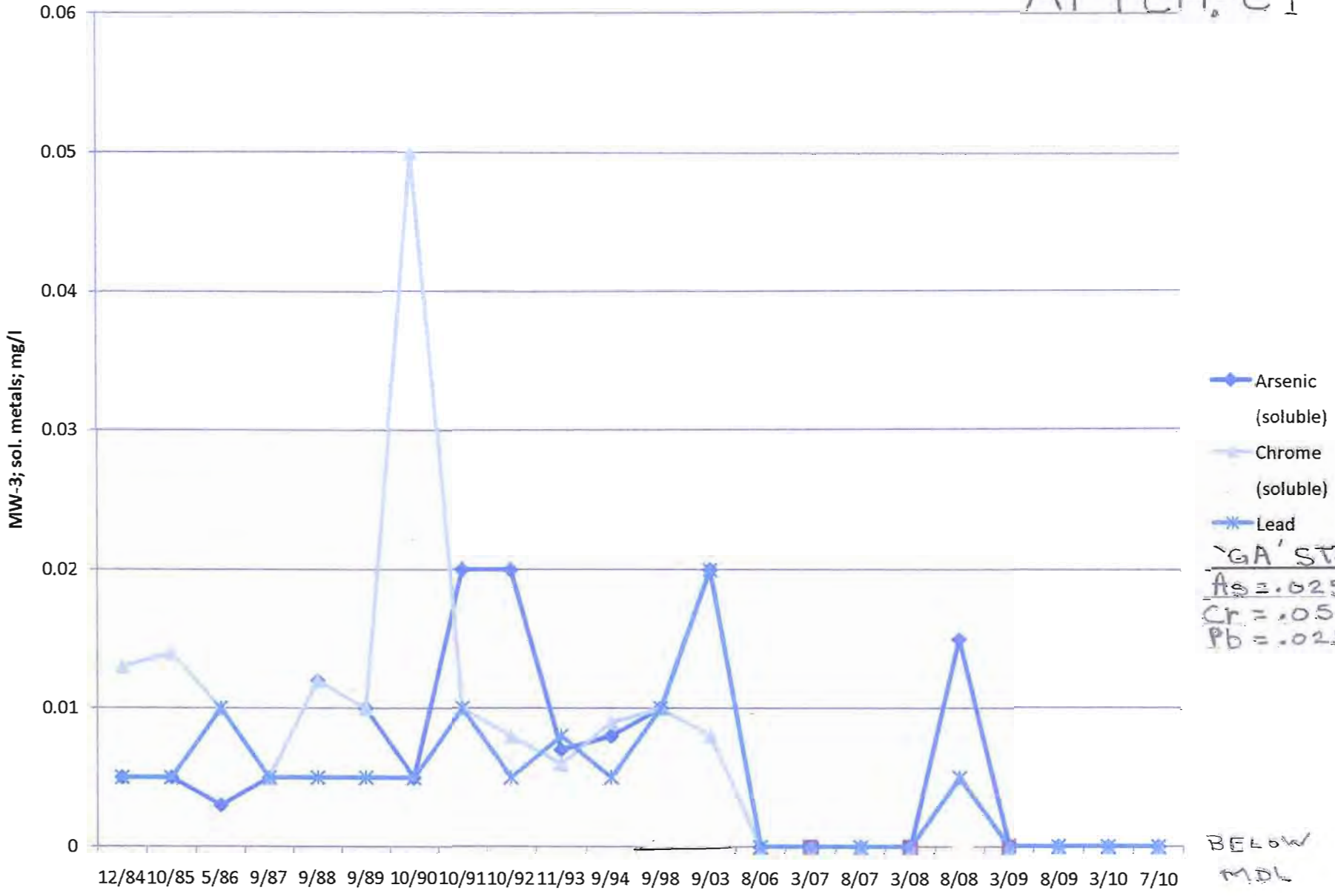
| PALMER ST. LANDFILL; MOENCH COMPANY                  |       |       |       |       |       |       |       |       |       | ATTACHMENT#C1 |       |      |       |      |      |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------|-------|------|-------|------|------|
| MW-3 SOLUBLE METALS vs. TIME*** SCREENED IN WASTE*** |       |       |       |       |       |       |       |       |       |               |       |      |       |      |      |
|  | 12/84 | 10/85 | 5/86  | 9/87  | 9/88  | 9/89  | 10/90 | 10/91 | 10/92 | 11/93         | 9/94  | 9/98 | 9/03  | 8/06 | 3/07 |
| Arsenic<br>(soluble)                                 | 0.005 | 0.005 | 0.003 | 0.005 | 0.012 | 0.01  | 0.005 | 0.02  | 0.02  | 0.007         | 0.008 | 0.01 | 0.02  | dry  | dry  |
| Chrome<br>(soluble)                                  | 0.013 | 0.014 | 0.01  | 0.005 | 0.012 | 0.01  | 0.05  | 0.01  | 0.008 | 0.006         | 0.009 | 0.01 | 0.008 | dry  | dry  |
| Lead<br>(soluble)                                    | 0.005 | 0.005 | 0.01  | 0.005 | 0.005 | 0.005 | 0.005 | 0.01  | 0.005 | 0.008         | 0.005 | 0.01 | 0.02  | dry  | dry  |
|  |       |       |       |       |       |       |       |       |       |               |       | i.t. | i.t.  |      |      |

|                      | 8/07 | 3/08 | 8/08  | 3/09 | 8/09 | 3/10 | 7/10 |
|----------------------|------|------|-------|------|------|------|------|
| Arsenic<br>(soluble) | dry  | dry  | 0.015 | dry  | dry  | dry  | dry  |
| Chrome<br>(soluble)  | dry  | dry  | 0.005 | dry  | dry  | dry  | dry  |
| Lead<br>(soluble)    | dry  | dry  | 0.005 | dry  | dry  | dry  | dry  |
|                      |      |      | i.t.  |      |      |      |      |

ATTACH-C1

Palmer L/Fill; MW-3; sol. metals

ATTCH-C I



'GA' STD  
 As = 0.025 mg/L  
 Cr = 0.05 mg/L  
 Pb = 0.025 mg/L

BELOW  
 MDL

| PALMER ST. LANDFILL; MOENCH COMPANY        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| MW-3D, SOLUBLE METALS; (BEDROCK, IN WASTE) |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| ATTACHMENT-C1                              |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|  | 9/87  | 9/88  | 7/90  | 7/91  | 7/92  | 7/93  | 8/06  | 3/07  | 8/07  | 3/08  | 8/08  | 3/09  | 8/09  | 3/10  | 7/10  |
| Arsenic (soluble)                          | 0.005 | 0.007 | 0.005 | 0.005 | 0.007 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.009 | 0.005 |
| Chrome (soluble)                           | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 |
| Lead (soluble)                             | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 |
|  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |

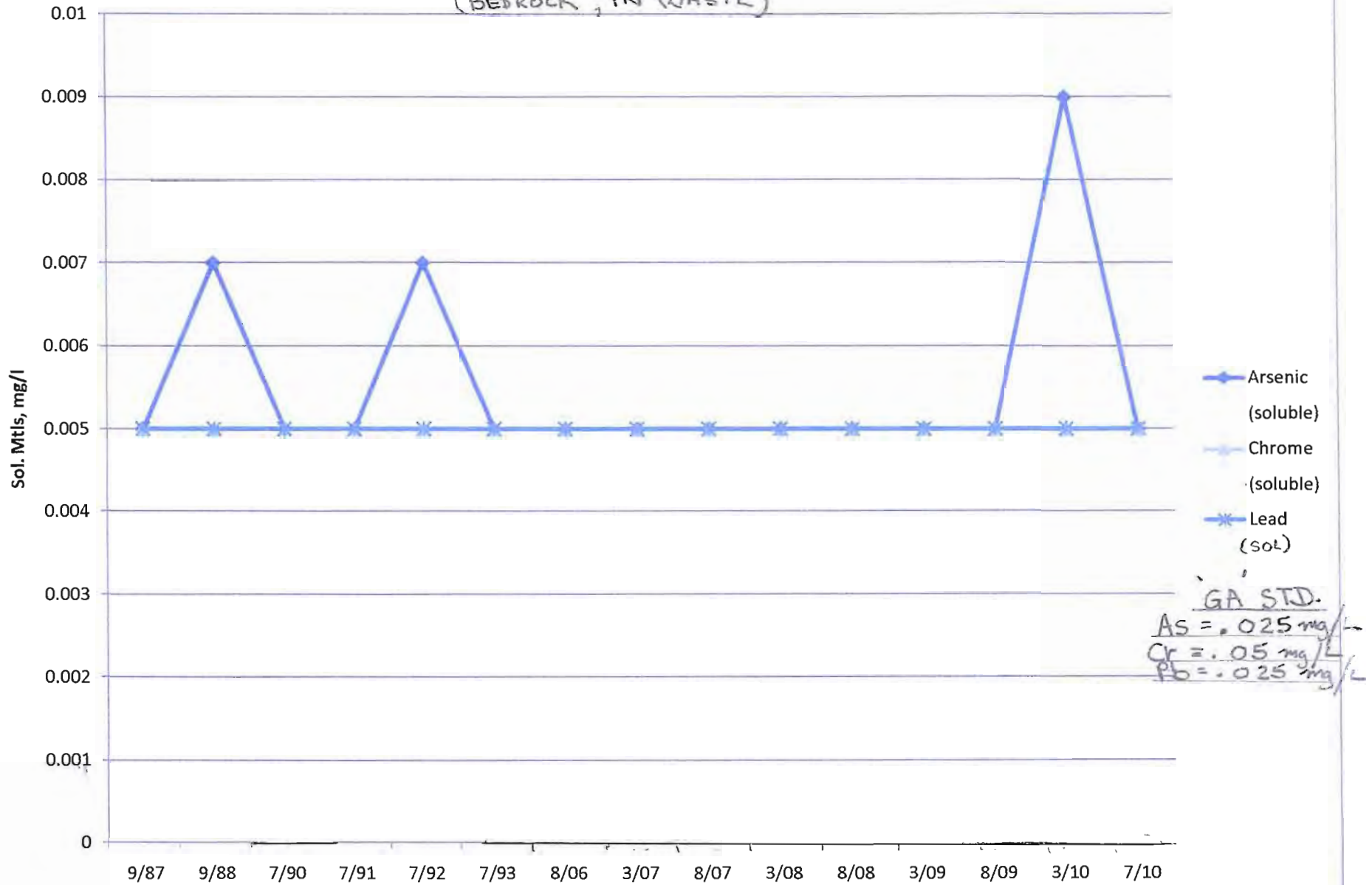
*l.t. - Less than, Below R. limit*

*PLMR.MTL.MWAD*

# Palmer L/fill; MW-3D, sol. mtl.

(BEDROCK IN WASTE)

ATTACHMENT 'C'



GA STD.  
As = .025 mg/L  
Cr = .05 mg/L  
Pb = .025 mg/L

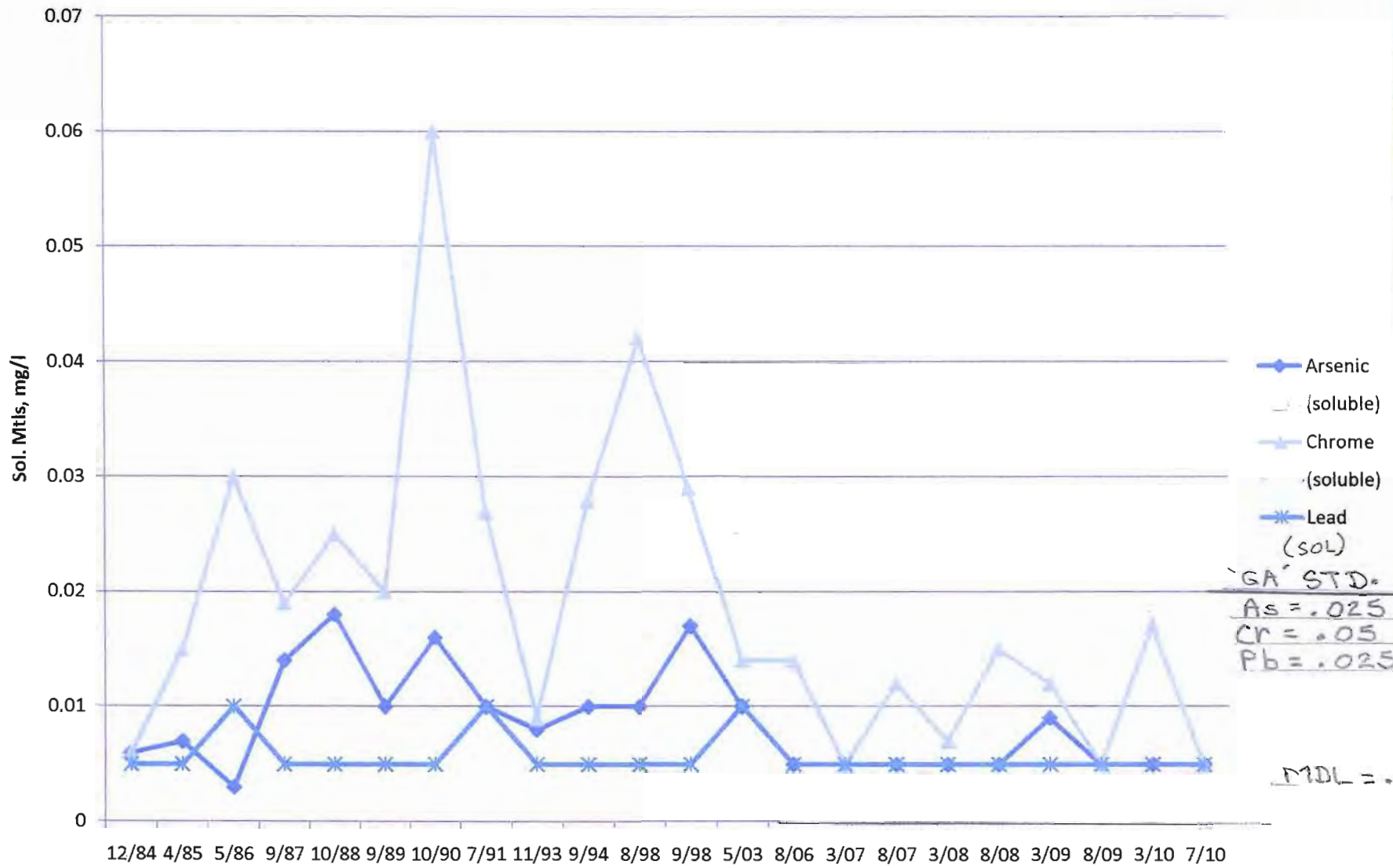
| PALMER ST. LANDFILL; MOENCH COMPANY            |       |       |       |       |       |       |       |       |       |       |       |       |       |               |       |       |       |       |  |  |  |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------|-------|-------|-------|-------|--|--|--|
| MW-4SR SOLUBLE METALS; ***SCREENED IN WASTE*** |       |       |       |       |       |       |       |       |       |       |       |       |       | ATTACHMENT C1 |       |       |       |       |  |  |  |
|  | 12/84 | 4/85  | 5/86  | 9/87  | 10/88 | 9/89  | 10/90 | 7/91  | 11/93 | 9/94  | 8/98  | 9/98  | 5/03  | 8/06          | 3/07  | 8/07  | 3/08  | 8/08  |  |  |  |
| Arsenic  | 0.006 | 0.007 | 0.003 | 0.014 | 0.018 | 0.01  | 0.016 | 0.01  | 0.008 | 0.01  | 0.01  | 0.017 | 0.01  | 0.005         | 0.005 | 0.005 | 0.005 | 0.005 |  |  |  |
| (soluble)                                      |       |       |       |       |       |       |       |       |       |       |       |       |       | i.t.          | i.t.  | i.t.  | i.t.  | i.t.  |  |  |  |
| Chrome   | 0.006 | 0.015 | 0.03  | 0.019 | 0.025 | 0.02  | 0.06  | 0.027 | 0.009 | 0.028 | 0.042 | 0.029 | 0.014 | 0.014         | 0.005 | 0.012 | 0.007 | 0.015 |  |  |  |
| (soluble)                                      |       |       |       |       |       |       |       |       |       |       |       |       |       |               |       |       |       |       |  |  |  |
| Lead   | 0.005 | 0.005 | 0.01  | 0.005 | 0.005 | 0.005 | 0.005 | 0.01  | 0.005 | 0.005 | 0.005 | 0.005 | 0.01  | 0.005         | 0.005 | 0.005 | 0.005 | 0.005 |  |  |  |
| (soluble)                                      |       |       |       |       |       |       |       |       |       |       |       |       |       | i.t.          | i.t.  | i.t.  | i.t.  | i.t.  |  |  |  |

|           | 3/09  | 8/09  | 3/10  | 7/10  |
|-----------|-------|-------|-------|-------|
| Arsenic   | 0.009 | 0.005 | 0.005 | 0.005 |
| (soluble) | i.t.  | i.t.  | i.t.  | i.t.  |
| Chrome    | 0.012 | 0.005 | 0.017 | 0.005 |
| (soluble) | i.t.  |       |       | i.t.  |
| Lead      | 0.005 | 0.005 | 0.005 | 0.005 |
| (soluble) | i.t.  | i.t.  | i.t.  | i.t.  |

PLMR.MTL.MW4SR

# Palmer L/Fill; Sol. Mtls. MW4sr

ATTACHMENT 'C'



PLRMTL1.XLC

|           |  | PALMER ST L/F, MOENCH COMPANY  |          |          |          |          |          |           |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
|-----------|--|--------------------------------|----------|----------|----------|----------|----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|           |  | MW-4D Soluble Metals; Bedrock. |          |          |          |          |          |           |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
|           |  | Dec. '10                       |          |          |          |          |          |           |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
|           |  | Mar. '94                       | Jun. '94 | Oct. '94 | Dec. '94 | Mar. '95 | Jun. '95 | Sept. '95 | Dec. '95 | Apr. '96 | Jun. '96 | Nov. '96 | Apr. '97 | Aug. '97 | Nov. '97 | Apr. '98 | Aug. '98 | Nov. '98 | Apr. '99 | Aug. '99 | Nov. '99 | Apr. '00 |
| Arsenic   |  | 0.005                          | 0.005    | 0.005    |          | 0.005    | 0.005    | 0.005     | 0.005    | 0.005    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     |
| (soluble) |  | l.t.                           | l.t.     | l.t.     |          | l.t.     | l.t.     | l.t.      | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     |
| Chrome    |  | 0.005                          | 0.005    | 0.01     | 0.005    | 0.005    | 0.005    | 0.005     | 0.005    | 0.005    | 0.005    | 0.005    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     |
| (soluble) |  | l.t.                           | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.      | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     |
| Lead      |  | 0.005                          | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005     | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    |
| (soluble) |  | l.t.                           | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.      | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     |

ATTACH. 'C'

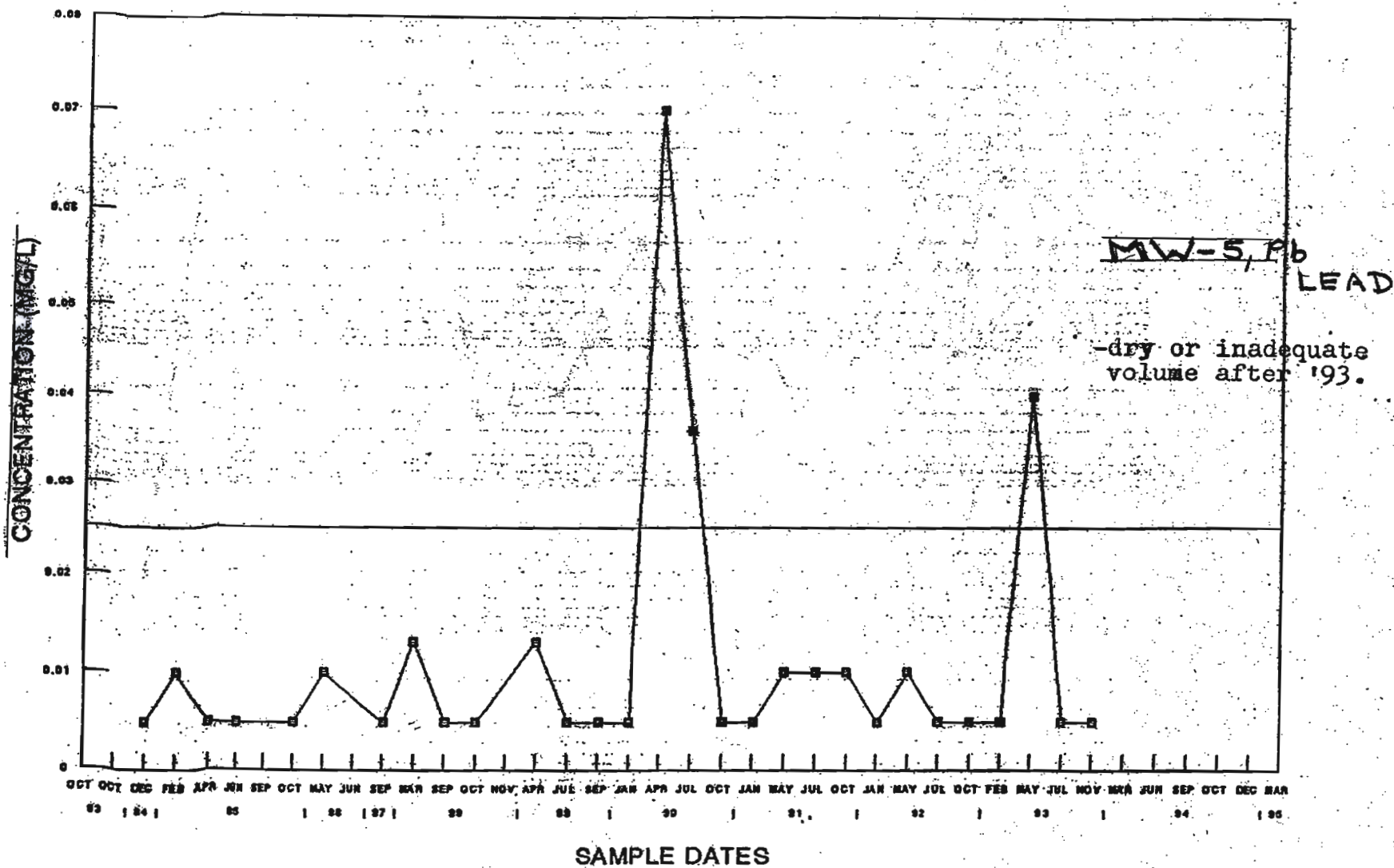
PLRMTL1.XLC

|           |  | MW-4D  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
|-----------|--|--|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|           |  | Sept. '00  | Mar. '01 | Aug. '01 | Apr. '02 | Aug. '02 | Apr. '03 | Aug. '03 | Mar. '04 | Aug. '04 | Mar. '05 | Aug. '05 | Apr. '06 | Aug. '06 | Mar. '07 | Aug. '07 | Mar. '08 | Aug. '08 | Mar. '09 | Aug. '09 | Mar. '10 | July '10 |
| Arsenic   |  | 0.01   | 0.005    | 0.005    | 0.002    | 0.002    | 0.002    | 0.02     | 0.002    | 0.002    | 0.001    | 0.001    | 0.001    | 0.001    | 0.005    | 0.005    | 0.005    | 0.005    | 0.007    | 0.005    | 0.005    | 0.005    |
| (soluble) |  | l.t.   | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     |
| Chrome    |  | 0.01   | 0.004    | 0.004    | 0.004    | 0.004    | 0.004    | 0.004    | 0.004    | 0.004    | 0.004    | 0.004    | 0.004    | 0.004    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.017    | 0.005    | 0.005    |
| (soluble) |  | l.t.   | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     |
| Lead      |  | 0.005  | 0.02     | 0.02     | 0.02     | 0.02     | 0.02     | 0.02     | 0.02     | 0.02     | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    |
| (soluble) |  | l.t.   | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     | l.t.     |
|           |  | ** No graph generated due to very limited detection.** |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |



PALMER STREET LANDFILL  
 MW-5 SOLUBLE LEAD (screened in the waste)

ATTACHMENT C.1



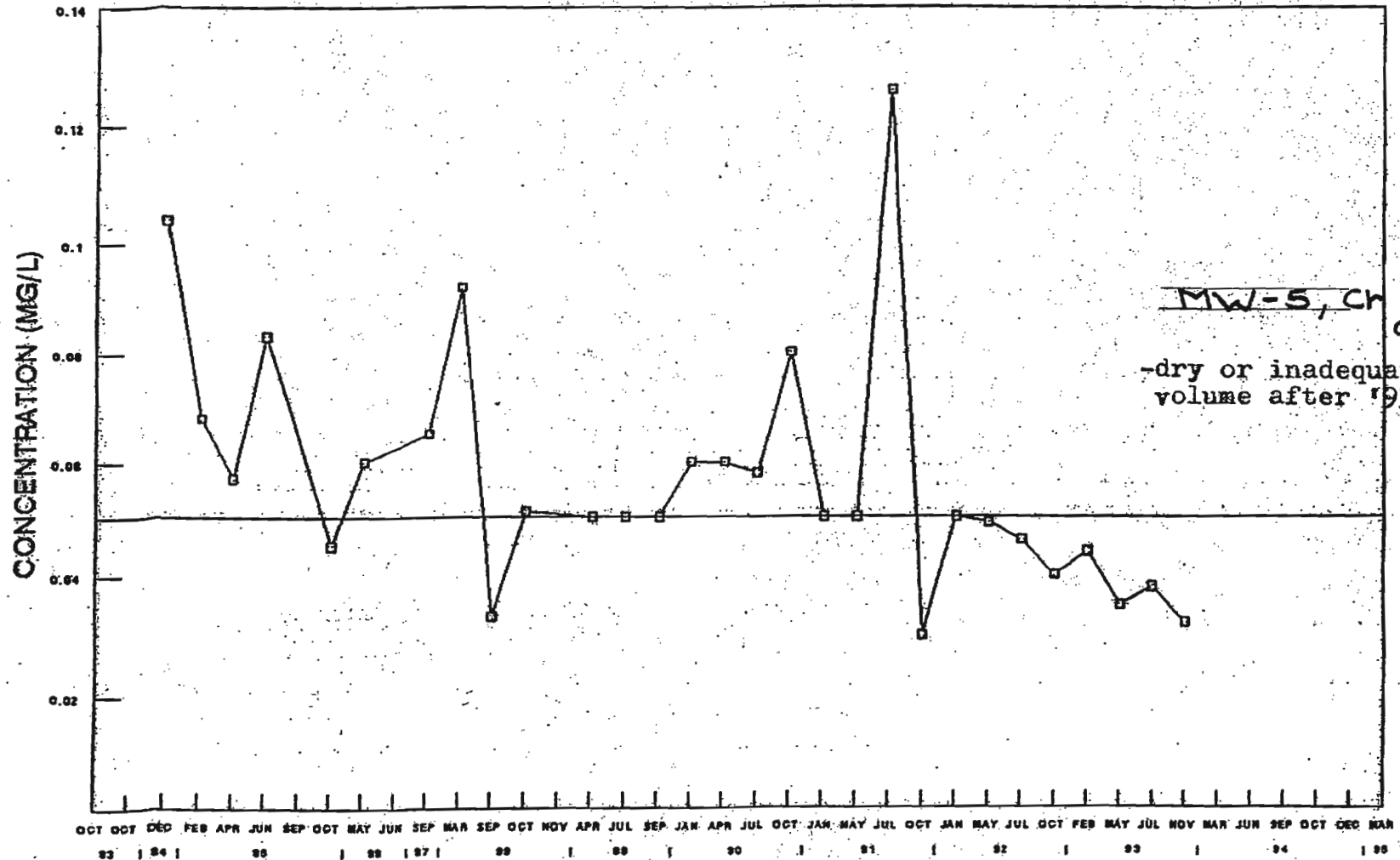
—□— LEAD (SOLUBLE) — NYSDEC STANDARD

NOT ON COMPUT



PALMER STREET LANDFILL  
 MW-5 SOLUBLE CHROMIUM (screened in the waste)

ATTACHMENT C1

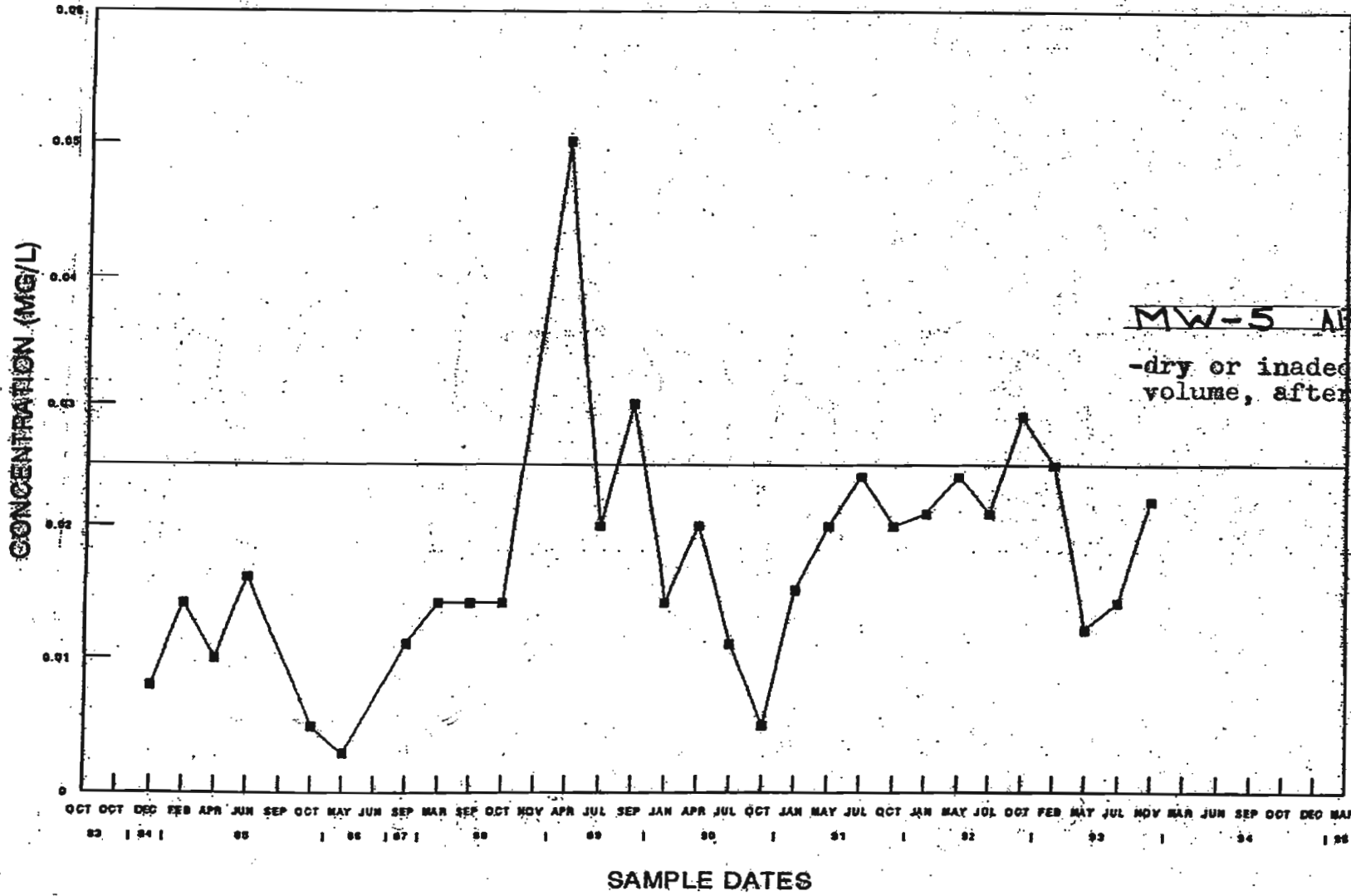


MW-5, Chrome  
 -dry or inadequate volume after '93.

— NYSDEC STANDARD □ CHROMIUM (SOLUBLE)

PALMER STREET LANDFILL  
 MW-5 SOLUBLE ARSENIC (screened in the waste)

#  
 ATTACHMENT C1



MW-5 ARSENIC  
 -dry or inadequate volume, after '93.

■ ARSENIC (SOLUBLE) — NYSDEC STANDARD

NOT ON COMPUTER

| PALMER ST. LANDFILL; MOENCH COMPANY    |      |       |      |      |      |       |       |       |      |       |      |       |       |       |      |
|--|------|-------|------|------|------|-------|-------|-------|------|-------|------|-------|-------|-------|------|
| MW-6 SOLUBLE METAL (SCREENED IN WASTE) |      |       |      |      |      |       |       |       |      |       |      |       |       |       |      |
|  | 2/85 | 5/86  | 9/87 | 9/88 | 9/89 | 10/90 | 10/91 | 10/92 | 7/93 | 10/94 | 8/98 | 8/03  | 8/06  | 3/07  | 8/07 |
| Arsenic                                | 0.01 | 0.005 | 0.02 | 0.02 | 0.01 | 0.01  | 0.02  | 0.02  | 0.01 | 0.04  | 0.03 | 0.005 | 0.026 | 0.044 |      |
| (soluble)                              |      |       |      |      |      |       |       |       |      |       |      | i.t.  |       |       | dry  |
| Chrome                                 | 0.02 | 0.01  | 0.01 | 0.02 | 0.01 | 0.05  | 0.01  | 0.01  | 0.01 | 0.01  | 0.03 | 0.007 | 0.005 | 0.005 |      |
| (soluble)                              |      |       |      |      |      |       |       |       |      |       |      |       | i.t.  | i.t.  | dry  |
| Lead                                   | 0.01 | 0.01  | 0.01 | 0.01 | 0.01 | 0.01  | 0.01  | 0.01  | 0.01 | 0.01  | 0.01 | 0.005 | 0.005 | 0.005 |      |
| (soluble)                              |      |       |      |      |      |       |       |       |      |       |      | i.t.  | i.t.  | i.t.  | dry  |

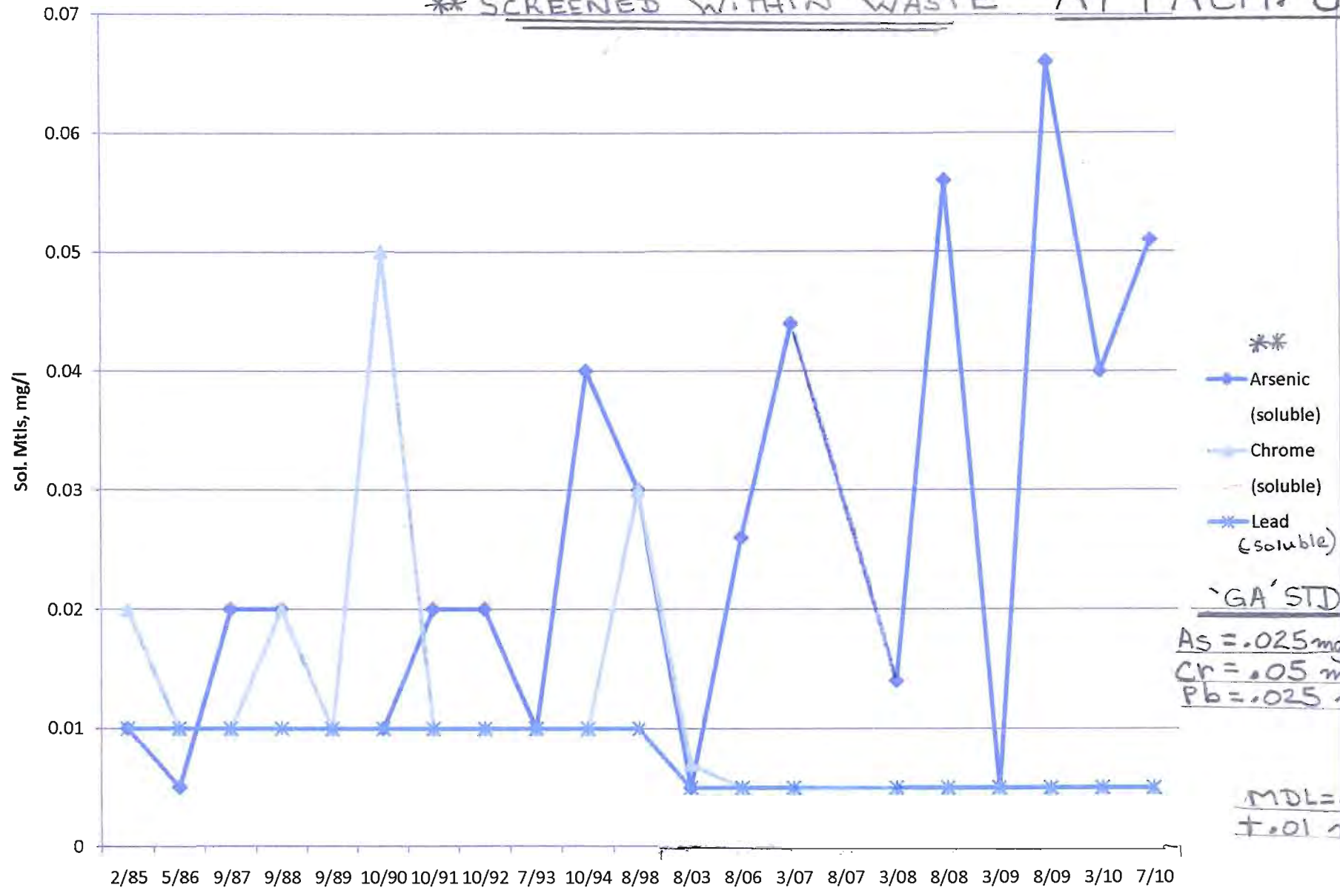
ATTACH. "C"

|           | 3/08  | 8/08  | 3/09  | 8/09  | 3/10  | 7/10  |
|-----------|-------|-------|-------|-------|-------|-------|
| Arsenic   | 0.014 | 0.056 | 0.005 | 0.066 | 0.04  | 0.051 |
| (soluble) |       |       |       |       |       |       |
| Chrome    | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 |
| (soluble) | i.t.  | i.t.  | lt    | lt    | i.t.  | i.t.  |
| Lead      | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 |
| (soluble) | i.t.  | i.t.  | lt    | lt    | i.t.  | i.t.  |

PLMRMTL MW6

# Palmer L/Fill; Sol. metals; MW6

\*\* SCREENED WITHIN WASTE \* ATTACH. C



'GA' STD.  
 As = .025 mg/L  
 Cr = .05 mg/L  
 Pb = .025 mg/L

MDL = .005  
+ .01 mg/L

| PALMER ST L/F, MOENCH COMPANY    |          |        |        |        |        |        |        |        |        |                |        |        |        |        |        |        |        |        |        |        |        |
|----------------------------------|----------|--------|--------|--------|--------|--------|--------|--------|--------|----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| ARSENIC (SOLUBLE) vs TIME (MG/L) |          |        |        |        |        |        |        |        |        |                |        |        |        |        |        |        |        |        |        |        |        |
| MONITOR WELLS & BANK SEEPS       |          |        |        |        |        |        |        |        |        | Attachment 'C' |        |        |        |        |        |        |        |        |        |        |        |
|                                  | DEC. '10 |        |        |        |        |        |        |        |        |                |        |        |        |        |        |        |        |        |        |        |        |
|                                  | Sep-87   | Mar-88 | Sep-88 | Oct-88 | Nov-88 | Apr-89 | Jul-89 | Sep-89 | Jan-90 | Apr-90         | Jul-90 | Oct-90 | Jan-91 | May-91 | Jul-91 | Oct-91 | Jan-92 | May-92 | Jul-92 | Oct-92 | Feb-93 |
| MW-6D                            | START94  |        |        |        |        |        |        |        |        |                |        |        |        |        |        |        |        |        |        |        |        |
| MW-7D                            | 0.005    | 0.005  | 0.005  | 0.005  | 0.005  | 0.03   | 0.01   | 0.01   | 0.005  | 0.005          | 0.005  | 0.005  | 0.005  | 0.01   | 0.01   | 0.01   | 0.005  | 0.01   | 0.005  | 0.005  | 0.005  |
| MW-8D                            | 0.01     | 0.005  | 0.005  | 0.005  | 0.007  | 0.05   | 0.01   | 0.01   | 0.005  | 0.005          | 0.005  | 0.005  | 0.005  | 0.01   | 0.01   | 0.01   | 0.005  | 0.01   | 0.005  | 0.005  | 0.005  |

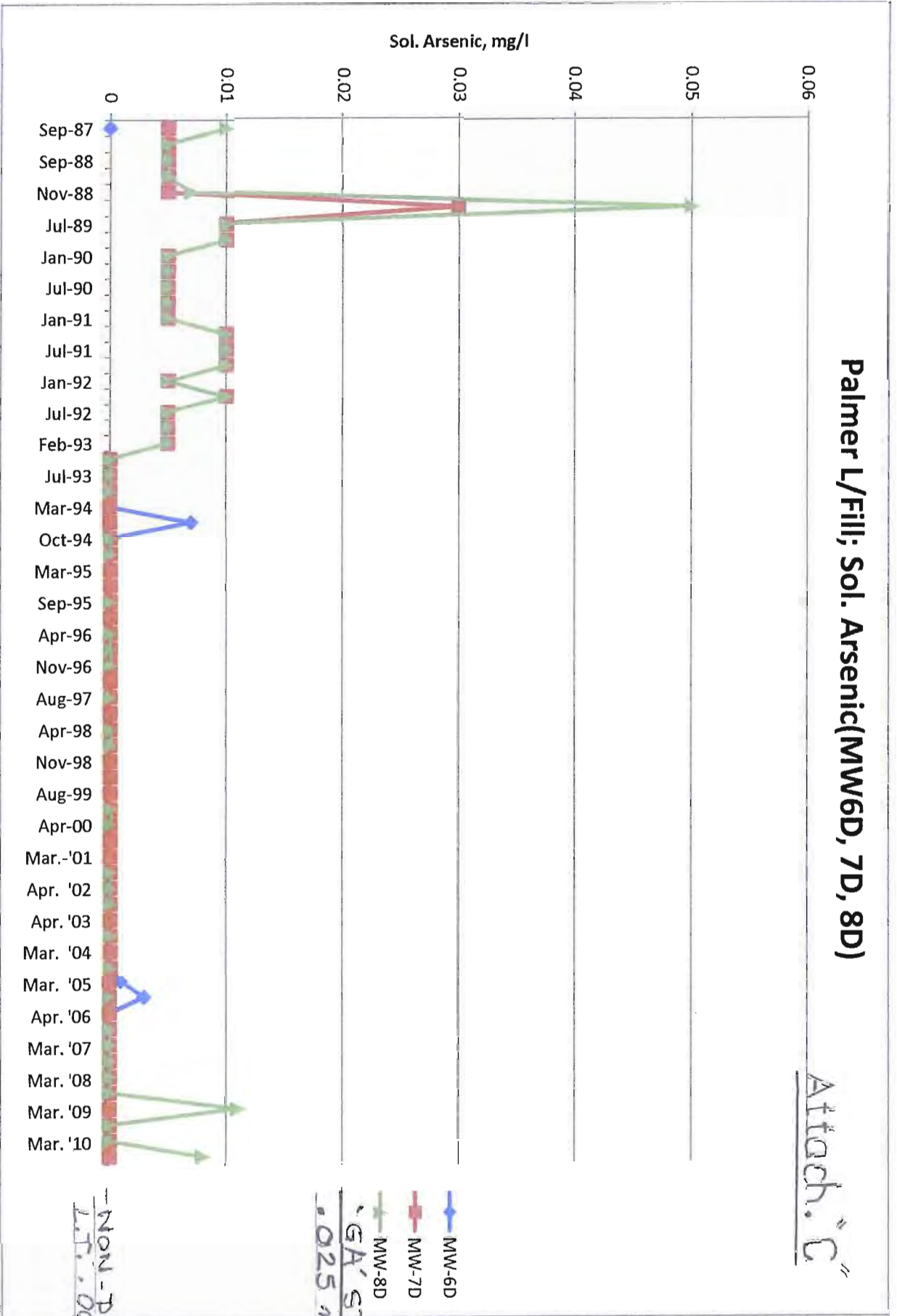
| Attachment 'C' |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |      |
|----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|
|                | May-93 | Jul-93 | Nov-93 | Mar-94 | Jun-94 | Oct-94 | Dec-94 | Mar-95 | Jun-95 | Sep-95 | Dec-95 | Apr-96 | Aug-96 | Nov-96 | Apr-97 | Aug-97 | Nov-97 | Apr-98 | Aug-98 | Nov-98 | Apr-99 |      |
| MW-6D          |        |        |        | <.005  | 0.007  | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  | <.01   | <.01   | <.01   | <.01   | <.01   | <.01   | <.01   | <.01   | <.01   | <.01 |
| MW-7D          | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  | <.01   | <.01   | <.01   | <.01   | <.01   | <.01   | <.01   | <.01   | <.01   | <.01 |
| MW-8D          | <.005  | <.005  |        |        |        | <.005  | <.005  |        |        | <.005  |        | <.005  | <.01   | <.01   |        | <.01   |        | <.01   | <.01   |        |        |      |

| Attachment 'C' |        |        |        |        |         |         |          |          |          |          |          |          |          |          |          |          |          | Attachment 'C' |          |          | Soluble Ar |       |
|----------------|--------|--------|--------|--------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------------|----------|----------|------------|-------|
|                | Aug-99 | Nov-99 | Apr-00 | Sep-00 | Mar-'01 | Aug-'01 | Apr. '02 | Aug. '02 | Apr. '03 | Aug. '03 | Mar. '04 | Aug. '04 | Mar. '05 | Aug. '05 | Apr. '06 | Aug. '06 | Mar. '07 | Aug. '07       | Mar. '08 | Aug. '08 | Mar. '09   |       |
| MW-6D          | <.01   | <.01   | <.005  | <.005  | <.002   | <.002   | <.002    | <.002    | <.002    | <.02     | <.002    | <.002    | 0.001    | 0.003    | <.005    | <.005    | <.005    | <.005          | <.005    | <.005    | <.005      | <.005 |
| MW-7D          | <.01   | <.01   | <.005  | <.005  | <.002   | <.002   | <.002    | <.002    | <.002    | <.02     | <.002    | <.002    | <.001    | <.001    | <.005    | <.005    | <.005    | <.005          | <.005    | <.005    | <.005      | <.005 |
| MW-8D          |        | <.01   | <.005  |        |         | <.002   | <.002    | <.002    |          | <.02     |          | <.002    |          | <.001    |          | <.005    | <.005    | <.005          | <.005    | <.005    | <.005      | 0.011 |

| senic |          |          |          |
|-------|----------|----------|----------|
|       | Aug. '09 | Mar. '10 | July '10 |
| MW-6D | <.005    | <.005    | <.005    |
| MW-7D | <.005    | <.005    | <.005    |
| MW-8D | <.005    | <.005    | 0.008    |

Palmer L/Fill; Sol. Arsenic(MW6D, 7D, 8D)

Attach. "C"





|         |         | PALMER ST L/F, MOENCH COMPANY  |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|---------|---------|--------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|         |         | CHROME(SOLUBLE), mg/l vs. time |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| DEC '10 |         | MONITOR WELLS & Attachment "C" |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|         |         |                                |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|         |         | Sep-87                         | Mar-88 | Sep-88 | Oct-88 | Nov-88 | Apr-89 | Jul-89 | Sep-89 | Jan-90 | Apr-90 | Jul-90 | Oct-90 | Jan-91 | May-91 | Jul-91 | Oct-91 | Jan-92 | May-92 | Jul-92 | Oct-92 | Feb-93 |
| MW-6D   | START94 |                                |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| MW-7D   | <.005   | 0.006                          | <.005  | <.005  | <.005  | <.01   | <.01   | <.01   | <.05   | <.05   | <.05   | <.05   | <.05   | <.05   | <.05   | <.01   | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  |
| MW-8D   | <.005   | 0.008                          | <.005  | <.005  | <.005  | 0.02   | <.01   | <.01   | <.05   | <.05   | <.05   | <.05   | <.05   | <.05   | <.05   | <.01   | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  |

|       |       | Attachment "C" |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | Attavhmer |        |
|-------|-------|----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|--------|
|       |       |                |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |           |        |
|       |       | May-93         | Jul-93 | Nov-93 | Mar-94 | Jun-94 | Oct-94 | Dec-94 | Mar-95 | Jun-95 | Sep-95 | Dec-95 | Apr-96 | Aug-96 | Nov-96 | Apr-97 | Aug-97 | Nov-97 | Apr-98 | Aug-98 | Nov-98    | Apr-99 |
| MW-6D |       |                |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |           |        |
| MW-7D | <.005 | <.005          | <.005  | <.005  | <.005  | 0.025  | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  | <.01   | <.005  | <.01   | <.01   | <.01   | <.01   | <.01   | <.01      | <.01   |
| MW-8D | <.005 | <.005          |        |        |        | <.005  | <.005  |        |        | <.005  |        |        |        | <.005  |        | <.01   |        | <.01   | <.01   |        |           |        |

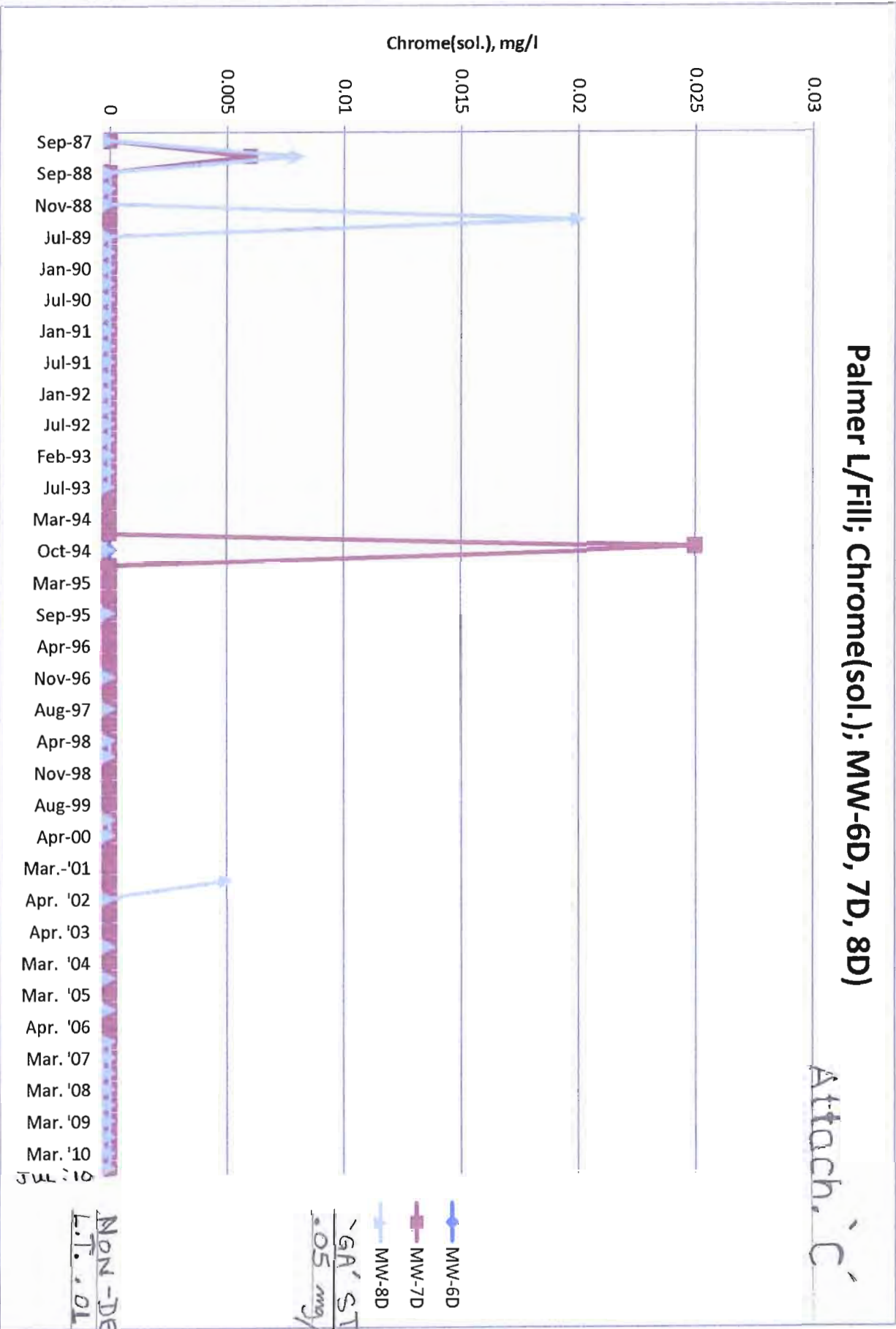
|       |      | Attachment "C" |        |        |        |         |         |          |          |          |          |          |          |          |          |          |          |          |          |          | Sol. Chrome |          |
|-------|------|----------------|--------|--------|--------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|----------|
|       |      |                |        |        |        |         |         |          |          |          |          |          |          |          |          |          |          |          |          |          |             |          |
|       |      | Aug-99         | Nov-99 | Apr-00 | Sep-00 | Mar-'01 | Aug-'01 | Apr. '02 | Aug. '02 | Apr. '03 | Aug. '03 | Mar. '04 | Aug. '04 | Mar. '05 | Aug. '05 | Apr. '06 | Aug. '06 | Mar. '07 | Aug. '07 | Mar. '08 | Aug. '08    | Mar. '09 |
| MW-6D | <.01 | <.01           | <.005  | <.005  | <.004  | <.004   | <.004   | <.004    | <.004    | <.004    | <.004    | <.004    | <.004    | <.004    | <.004    | <.004    | <.004    | <.004    | <.004    | <.004    | <.004       | <.004    |
| MW-7D | <.01 | <.01           | <.005  | <.005  | <.004  | <.004   | <.004   | <.004    | <.004    | <.004    | <.004    | <.004    | <.004    | <.004    | <.004    | <.004    | <.004    | <.004    | <.004    | <.004    | <.004       | <.004    |
| MW-8D |      | <.01           | <.005  |        |        | 0.005   | <.004   |          |          | <.004    |          | <.004    |          | <.004    |          | <.004    | <.004    | <.004    | <.004    | <.004    | <.004       | <.004    |

|       |       | Aug. '09 | Mar. '10 | July '10 |
|-------|-------|----------|----------|----------|
| MW-6D | <.004 | <.004    | <.004    |          |
| MW-7D | <.004 | <.004    | <.004    |          |
| MW-8D | <.004 | <.004    | <.004    |          |

Attach. "C"

Palmer L/Fill; Chrome(sol.); MW-6D, 7D, 8D

Attach. C



MW-6D  
 MW-7D  
 MW-8D

NON-DETECT.  
 L.T. .01 mg/L

PLRMTL6



| PALMER ST. L/F, MOENCH COMPANY |         |        |        |        |        |        |        |        |        |        |                |        |        |        |        |        |        |        |        |        |        |       |
|--------------------------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| LEAD(SOLUBLE) vs TIME (MGL)    |         |        |        |        |        |        |        |        |        |        |                |        |        |        |        |        |        |        |        |        |        |       |
| MONITOR WELLS &                |         |        |        |        |        |        |        |        |        |        | Attachment 'C' |        |        |        |        |        |        |        |        |        |        |       |
| DEC. '10                       | Sep-87  | Mar-88 | Sep-88 | Oct-88 | Nov-88 | Apr-89 | Jul-89 | Sep-89 | Jan-90 | Apr-90 | Jul-90         | Oct-90 | Jan-91 | May-91 | Jul-91 | Oct-91 | Jan-92 | May-92 | Jul-92 | Oct-92 | Feb-93 |       |
| MW-6D                          | START94 |        |        |        |        |        |        |        |        |        |                |        |        |        |        |        |        |        |        |        |        |       |
| MW-7D                          | 0.005   | 0.043  | 0.005  | 0.005  | 0.005  | 0.01   | 0.005  | 0.005  | 0.005  | 0.05   | 0.028          | 0.005  | 0.005  | 0.01   | 0.01   | 0.01   | 0.01   | 0.01   | 0.01   | <.005  | 0.007  | <.005 |
| MW-8D                          | 0.005   | 0.01   | 0.005  | 0.005  | 0.005  | 0.025  | 0.005  | 0.006  | 0.005  | 0.1    | 0.008          | 0.005  | 0.005  | 0.01   | 0.01   | 0.01   | 0.01   | 0.01   | 0.01   | 0.01   | <.005  | <.005 |

| Attachment 'C' |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |
|----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| May-93         | Jul-93 | Nov-93 | Mar-94 | Jun-94 | Oct-94 | Dec-94 | Mar-95 | Jun-95 | Sep-95 | Dec-95 | Apr-96 | Aug-96 | Nov-96 | Apr-97 | Aug-97 | Nov-97 | Apr-98 | Aug-98 | Nov-98 | Apr-99 |       |
| MW-6D          |        |        | <.005  | 0.013  | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  | 0.006  | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  | 0.008 |
| MW-7D          | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  | 0.015  | <.005  | <.005  | 0.214  | <.005  | <.005  | <.005  | <.005  | <.005  | <.005 |
| MW-8D          | <.005  | <.005  |        |        | <.005  |        |        |        | <.005  |        |        |        | <.005  |        | <.005  |        | <.005  | <.005  | <.005  |        |       |

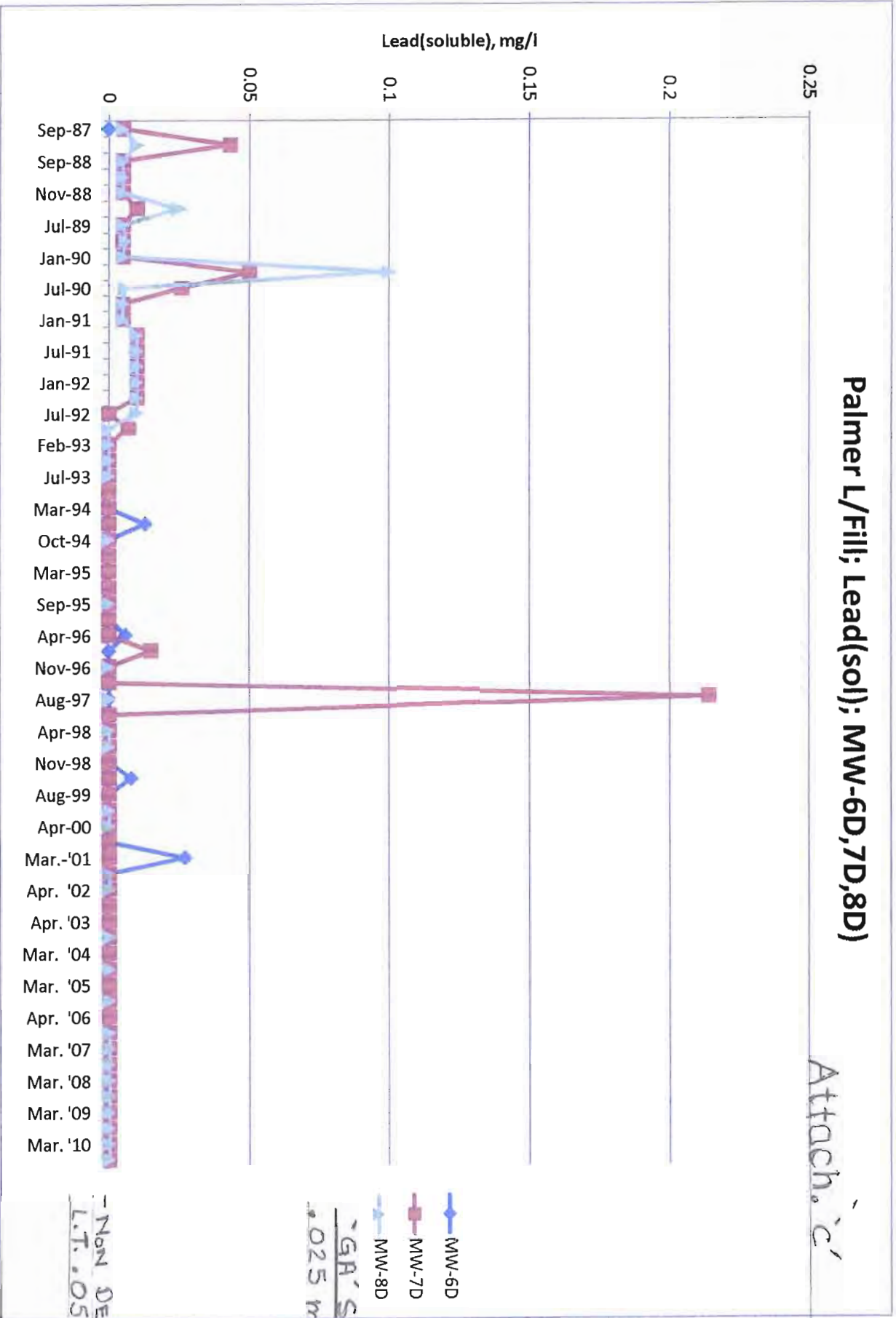
| Attachment 'C' |        |        |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |
|----------------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------|
| Aug-99         | Nov-99 | Apr-00 | Sep-00 | Mar-'01 | Aug-'01 | Apr-'02 | Aug-'02 | Apr-'03 | Aug-'03 | Mar-'04 | Aug-'04 | Mar-'05 | Aug-'05 | Apr-'06 | Aug-'06 | Mar-'07 | Aug-'07 | Mar-'08 | Aug-'08 | Mar-'09 |       |
| MW-6D          | <.005  | <.005  | <.02   | <.02    | 0.027   | <.02    | <.02    | <.02    | <.02    | <.02    | <.02    | <.005   | <.005   | <.005   | <.005   | <.005   | <.005   | <.005   | <.005   | <.005   | <.005 |
| MW-7D          | <.005  | <.005  | <.02   | <.02    | <.02    | <.02    | <.02    | <.02    | <.02    | <.02    | <.02    | <.005   | <.005   | <.005   | <.005   | <.005   | <.005   | <.005   | <.005   | <.005   | <.005 |
| MW-8D          |        | <.005  | <.02   |         | <.02    | <.02    |         |         | <.02    |         | <.02    |         | <.005   |         |         | <.005   | <.005   | <.005   | <.005   | <.005   | <.005 |

| Aug-'09 | Mar-'10 | July '10 |       |
|---------|---------|----------|-------|
| MW-6D   | <.005   | <.005    | <.005 |
| MW-7D   | <.005   | <.005    | <.005 |
| MW-8D   | <.005   | <.005    | <.005 |

Attach. 'C'

Palmer L/Fill; Lead(sol); MW-6D,7D,8D

Attach. 'c'



◆ MW-6D  
 ■ MW-7D  
 ▲ MW-8D  
 \*GR\* STD  
 0.025 mg/L

- NON DETECT  
 L.T. 0.05 mg/L

PLRMTL7

| PALMER ST L/F, MOENCH COMPANY                               |        |   |        |        |        |        |        |               |        |        |        |        |        |        |        |        |        |        |        |                |        |        |
|---|--------|---|--------|--------|--------|--------|--------|---------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------------|--------|--------|
| DEC>'10   |        | ARSENIC(SOL), CHROME(SOL), LEAD(SOL) vs TIME (MG/L) |        |        |        |        |        |               |        |        |        |        |        |        |        |        |        |        |        | Attachment 'C' |        |        |
|   |        | BANK SEEPS  |        |        |        |        |        | BS1, BS2, BS3 |        |        |        |        |        |        |        |        |        |        |        |                |        |        |
| ARSENIC   | Mar-94 | Jun-94  | Sep-94 | Dec-94 | Mar-95 | Jun-95 | Sep-95 | Dec-95        | Apr-96 | Aug-96 | Nov-96 | Apr-97 | Aug-97 | Nov-97 | Apr-98 | Aug-98 | Nov-98 | Apr-99 | Aug-99 | Nov-99         | Apr-00 | Sep-00 |
| BS-1  | 0.005  | 0.005   |        | 0.005  | 0.005  | 0.005  | 0.005  |               | 0.005  | LT.01  | LT.01  | 0.01   | 0.01   | 0.01   | 0.01   | 0.011  | 0.01   | 0.01   | 0.01   | 0.01           | 0.005  | 0.005  |
| BS-2  |        |   |        |        |        |        |        |               |        |        |        |        |        |        |        |        |        |        |        |                |        |        |
| BS-3  | 0.005  | 0.005   | 0.005  | 0.005  | 0.005  | 0.005  | 0.005  | 0.005         | 0.005  | LT.025 | LT.01  | 0.01   | 0.012  | 0.01   | 0.012  | 0.01   | 0.027  | 0.01   | 0.01   | 0.01           | 0.005  | 0.005  |
| CHROME  |        |   |        |        |        |        |        |               |        |        |        |        |        |        |        |        |        |        |        |                |        |        |
| BS-1  | 0.005  | 0.005   |        | 0.005  | 0.005  | 0.006  | 0.005  |               | 0.005  | LT.025 | 0.005  | 0.01   | 0.01   | 0.01   | 0.01   | 0.01   | 0.01   | 0.01   | 0.01   | 0.01           | 0.006  | 0.005  |
| BS-2  |        |   |        |        |        |        |        |               |        |        |        |        |        |        |        |        |        |        |        |                |        |        |
| BS-3  | 0.005  | 0.008   | 0.005  | 0.005  | 0.005  | 0.005  | 0.005  | 0.005         | 0.005  | LT.025 | 0.005  | 0.01   | 0.01   | 0.01   | 0.01   | 0.01   | 0.01   | 0.01   | 0.01   | 0.01           | 0.004  | 0.009  |
| LEAD  |        |   |        |        |        |        |        |               |        |        |        |        |        |        |        |        |        |        |        |                |        |        |
| BS-1  | 0.005  | 0.005   |        | 0.005  | 0.005  | 0.005  | 0.005  |               | 0.005  | 0.005  | 0.005  | 0.005  | 0.005  | 0.005  | 0.005  | 0.005  | 0.005  | 0.008  | 0.005  | 0.005          | 0.02   | 0.02   |
| BS-2  |        |   |        |        |        |        |        |               |        |        |        |        |        |        |        |        |        |        |        |                |        |        |
| BS-3  | 0.005  | 0.005   | 0.007  | 0.005  | 0.005  | 0.005  | 0.005  | 0.005         | 0.005  | 0.005  | 0.005  | 0.005  | 0.2    | 0.005  | 0.005  | 0.005  | 0.005  | 0.006  | 0.005  | 0.005          | 0.02   | 0.02   |
| **No graphs due to minimal detection & creek samples taken. |        |   |        |        |        |        |        |               |        |        |        |        |        |        |        |        |        |        |        |                |        |        |

| Attachment 'C'  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |       |  |  |  |  |  |  |
|---|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------|--|--|--|--|--|--|
|   |          | ARSENIC  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |       |  |  |  |  |  |  |
|   |          | Mar. '01 |          |          |          |          |          | Aug. '01 |          |          |          |          |          | Apr. '02 |          |          |          |          |          | Aug. '02 |       |  |  |  |  |  |  |
| ARSENIC   | Mar. '01 | Aug. '01 | Apr. '02 | Aug. '02 | Apr. '03 | Aug. '03 | Mar. '04 | Aug. '04 | Mar. '05 | Aug. '05 | Apr. '06 | Aug. '06 | Mar. '07 | Aug. '07 | Mar. '08 | Aug. '08 | Mar. '09 | Aug. '09 | Mar. '10 | July '10 |       |  |  |  |  |  |  |
| BS-1  | 0.004    | 0.002    | 0.002    | 0.002    | 0.003    | 0.02     | 0.005    | 0.002    | 0.002    | 0.001    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.0005   | 0.005    | <.005    | <.005    |       |  |  |  |  |  |  |
| BS-2  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |       |  |  |  |  |  |  |
| BS-3  | 0.002    | 0.002    | 0.002    | 0.002    | 0.002    | 0.02     | 0.002    | 0.002    | 0.003    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.007    | 0.007    | 0.005    | <.005    | <.005 |  |  |  |  |  |  |
|   |          |          | i.t.     | i.t.     | i.t.     | i.t.     | i.t.     | i.t.     | i.t.     | i.t.     | i.t.     | i.t.     | i.t.     | i.t.     | i.t.     | i.t.     |          |          |          |          |       |  |  |  |  |  |  |
| CHROME  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |       |  |  |  |  |  |  |
| BS-1  | 0.01     | 0.004    | 0.005    | 0.004    | 0.008    | 0.004    | 0.004    | 0.004    | 0.004    | 0.004    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | <.005    | <.005 |  |  |  |  |  |  |
| BS-2  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |       |  |  |  |  |  |  |
| BS-3  | 0.005    | 0.012    | 0.006    | 0.005    | 0.006    | 0.004    | 0.004    | 0.004    | 0.004    | 0.004    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | <.005    | <.005 |  |  |  |  |  |  |
|   |          |          |          |          |          | i.t.     | i.t.     | i.t.     | i.t.     | i.t.     | i.t.     | i.t.     | i.t.     | i.t.     | i.t.     | i.t.     |          |          |          |          |       |  |  |  |  |  |  |
| LEAD  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |       |  |  |  |  |  |  |
| BS-1  | 0.02     | 0.02     | 0.02     | 0.02     | 0.02     | 0.02     | 0.02     | 0.02     | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | <.005    | <.005 |  |  |  |  |  |  |
| BS-2  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |       |  |  |  |  |  |  |
| BS-3  | 0.02     | 0.02     | 0.02     | 0.02     | 0.02     | 0.02     | 0.02     | 0.02     | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | 0.005    | <.005    | <.005 |  |  |  |  |  |  |
|   |          |          | i.t.     | i.t.     | i.t.     | i.t.     | i.t.     | i.t.     | i.t.     | i.t.     | i.t.     | i.t.     | i.t.     | i.t.     | i.t.     | i.t.     |          |          |          |          |       |  |  |  |  |  |  |
| ***Often a bank seep does not exist; a creek sample is taken in place.*** |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |       |  |  |  |  |  |  |

Attach  
'C'

NO graphs generated Due To Minimal DETECTION-

ATTACHMENT "D"

TOTAL VOLATILES vs TIME  
(grouped by monitoring point)

MONITORING EVENTS: MARCH 2010 + PRIOR  
JULY 2010 + PRIOR

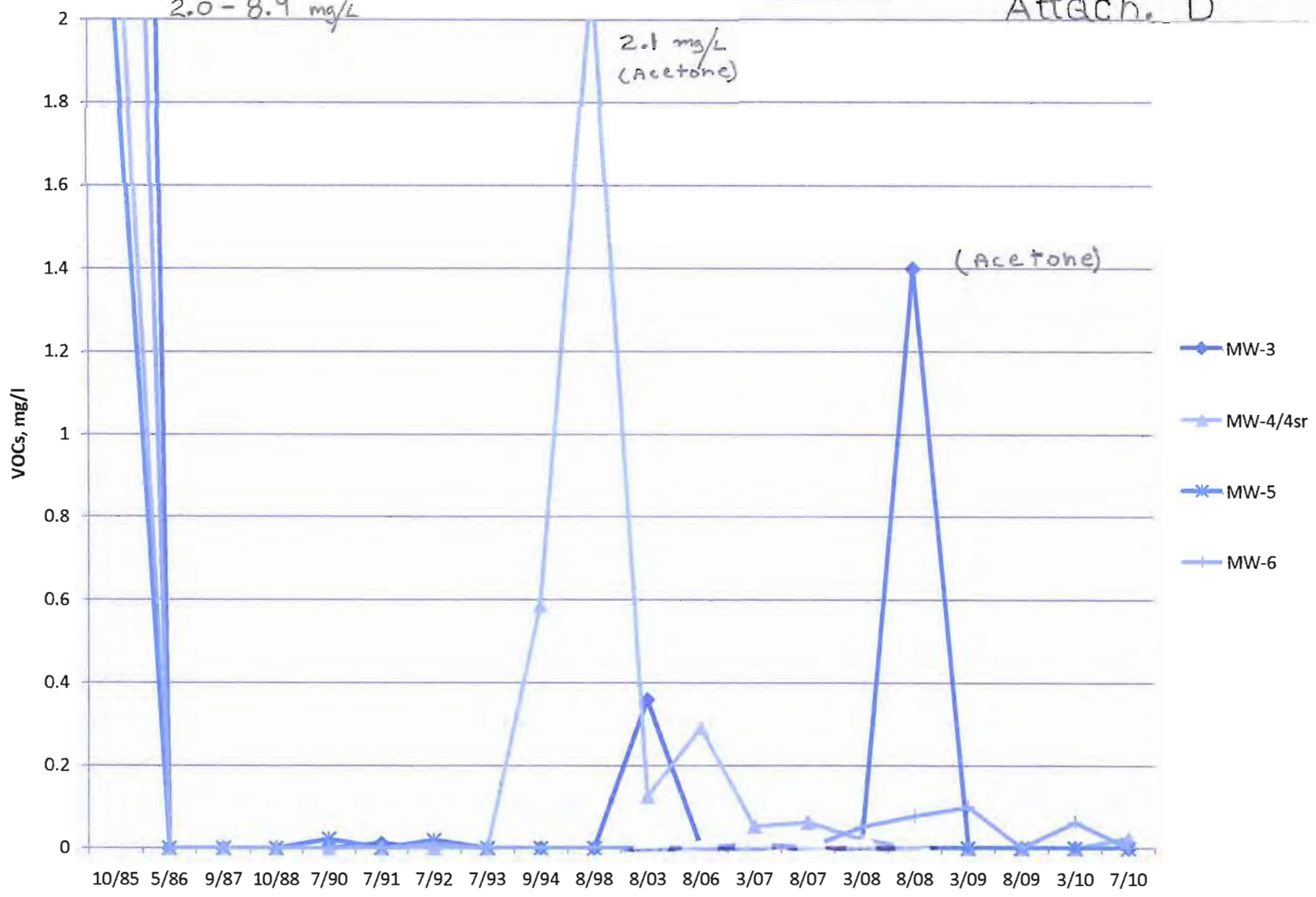
| PALMER ST. LANDFILL; MOENCH CO.                               |       |       |       |       |       |       |       |       |       |         |       |                  |       |       |         |         |         |       |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|-------|------------------|-------|-------|---------|---------|---------|-------|
| TOTAL VOLATILE ORGANICS OF RELEVANT; ACETONE, TOLUENE, XYLENE |       |       |       |       |       |       |       |       |       | DEC.'10 |       | (ATTACHMENT "D") |       |       |         |         |         |       |
| MW3, MW4, MW5, MW6; ALL SCREENED L IN WASTE                   |       |       |       |       |       |       |       |       |       |         |       |                  |       |       |         |         |         |       |
|   | 10/85 | 5/86  | 9/87  | 10/88 | 7/90  | 7/91  | 7/92  | 7/93  | 9/94  | 8/98    | 8/03  | 8/06             | 3/07  | 8/07  | 3/08    | 8/08    | 3/09    | 8/09  |
| MW-3  | 8.97  | <.005 | <.005 | <.005 | <.005 | 0.011 | <.005 | <.005 | <.005 | <.005   | 0.36  | dry              | dry   | dry   | dry     | 1.4     | dry     | dry   |
| MW-4/4sr  | 2.46  | <.005 | <.005 | <.005 | <.005 | <.005 | <.005 | <.005 | 0.586 | 2.1     | 0.125 | 0.293            | 0.052 | 0.062 | 0.021   | <.005   | <.005   | <.005 |
|   |       |       |       |       |       |       |       |       |       |         |       |                  |       |       | acetone |         |         |       |
| MW-5  | 2.02  | <.005 | <.005 | <.005 | 0.022 | <.005 | 0.019 | <.005 | <.005 | <.005   | dry   | dry              | dry   | dry   | dry     | dry     | dry     | dry   |
| MW-6  | 4.82  | <.005 | <.005 | <.005 | <.005 | <.005 | 0.009 | <.005 | <.005 | <.005   | <.005 | <.005            | 0.01  | dry   | 0.05    | 0.078   | 0.099   | <.005 |
|   |       |       |       |       |       |       |       |       |       |         |       |                  |       |       | acetone | acetone | acetone |       |

|          |         |         |
|----------|---------|---------|
|          |         |         |
|          |         |         |
|          | 3/10    | 7/10    |
| MW-3     | dry     | dry     |
| MW-4/4sr | <.005   | 0.024   |
|          |         | acetone |
| MW-5     | dry     | dry     |
| MW-6     | 0.062   | <.005   |
|          | acetone |         |

Wells in waste. TOTAL VOC

# Palmer L/Fill; Total VOC; in waste

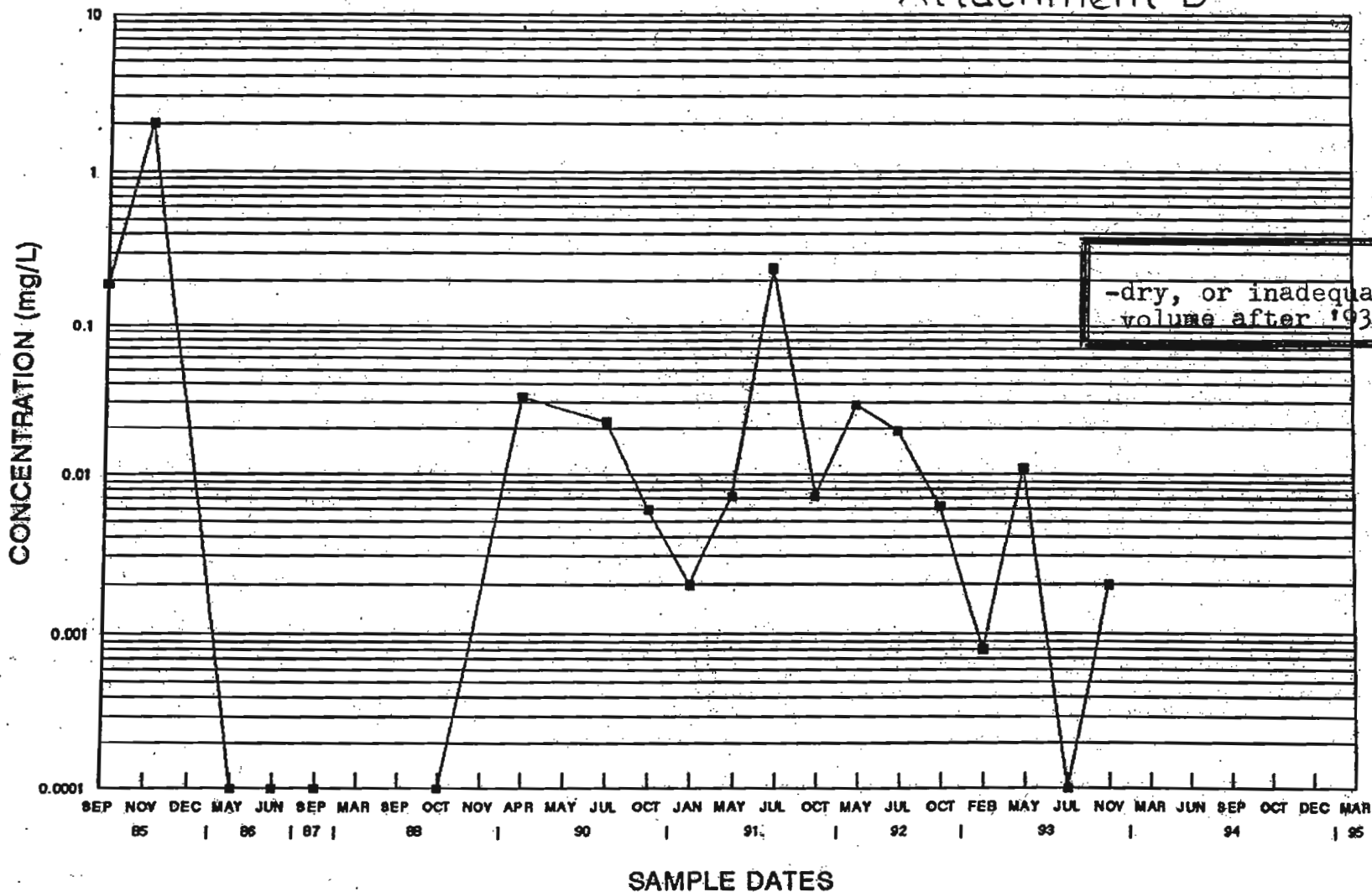
Attach. 'D'





PALMER STREET LANDFILL  
 TOTAL VOLATILE ORGANICS (screened in the waste)  
 MW-5

Attachment D



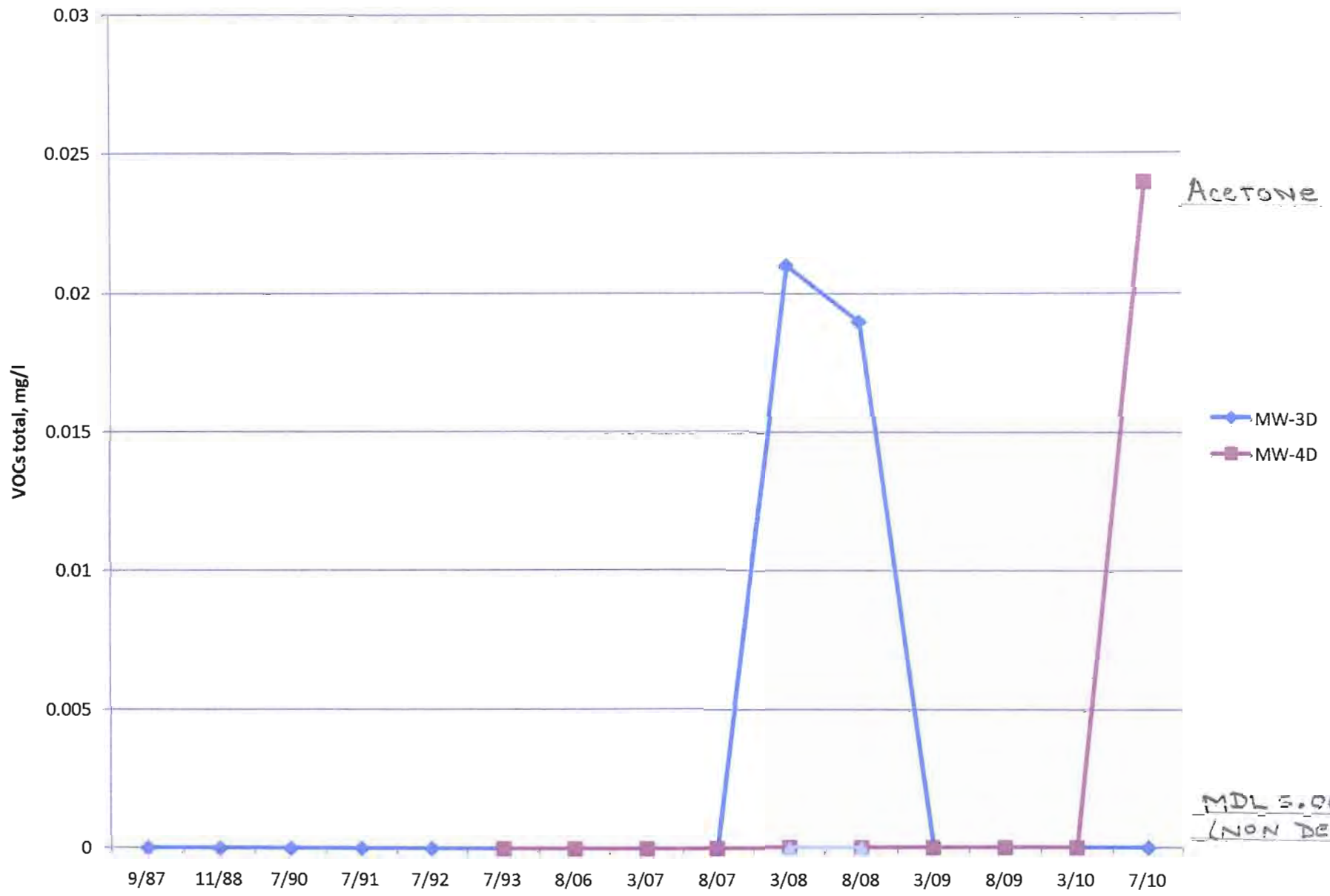
|       | PALMER ST. LANDFILL; MOENCH COMPANY |   |       |       |       |       |       |       |       |         |         |       |                |  |
|-------|-------------------------------------|---|-------|-------|-------|-------|-------|-------|-------|---------|---------|-------|----------------|--|
|       | DEC.'10                             | TOTAL RELEVANT VOCs; BEDROCK WELLS(acetone, toluene,xylene) |       |       |       |       |       |       |       |         |         |       | ATTACHMENT "D" |  |
|       | 9/87                                | 11/88   | 7/90  | 7/91  | 7/92  | 7/93  | 8/06  | 3/07  | 8/07  | 3/08    | 8/08    | 3/09  | 8/09           |  |
| MW-3D | <.005                               | <.005   | <.005 | <.007 | <.005 | <.005 | <.005 | <.005 | <.005 | 0.021   | 0.019   | <.005 | <.005          |  |
| MW-4D |                                     |   |       |       |       | <.005 | <.005 | <.005 | <.005 | <.005   | <.005   | <.005 | <.005          |  |
|       |                                     |   |       |       |       |       |       |       |       | acetone | acetone |       |                |  |

|       |       |       |
|-------|-------|-------|
|       |       |       |
|       |       |       |
|       | 3/10  | 7/10  |
| MW-3D | <.005 | <.005 |
| MW-4D | <.005 | 0.024 |
|       |       |       |



# Palmer L/Fill; Total VOCs; bedrock

Attach 'D'



Acetone

MDL 5.005 mg/L  
(NON DETECT)

|         |         | PALMER ST. L/F, MOENCH COMPANY            |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|---------|---------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|         |         | TOTAL VOLATILE ORGANICS vs TIME (MG/L)    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|         |         | **relevant VOCs; acetone, toluene, xylene |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|         |         | Attachment 'D'                            |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| DEC '10 |         | MONITOR WELLS &                           |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|         | Sep-87  | Mar-88                                    | Sep-88 | Oct-88 | Nov-88 | Apr-89 | Jul-89 | Sep-89 | Jan-90 | Apr-90 | Jul-90 | Oct-90 | Jan-91 | May-91 | Jul-91 | Oct-91 | Jan-92 | May-92 | Jul-92 | Oct-92 | Feb-93 |
| MW-6D   | START90 |   |        |        |        |        |        |        |        | 0.2    | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  |
| MW-7D   | <.005   |   |        |        | <.005  |        |        |        |        | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  | 0.011  |        |        |        | <.005  | <.005  |
| MW-8D   | <.005   |   |        | 0.012  |        |        |        |        |        | <.005  | 0.07   | <.005  | <.005  | 0.011  | <.005  |        |        |        | <.005  | <.005  | <.005  |

|       |        | Attachment 'D' |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|-------|--------|----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|       |        | Attachment 'D' |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|       | May-93 | Jul-93         | Nov-93 | Mar-94 | Jun-94 | Oct-94 | Dec-94 | Mar-95 | Jun-95 | Sep-95 | Dec-95 | Apr-96 | Aug-96 | Nov-96 | Apr-97 | Aug-97 | Nov-97 | Apr-98 | Aug-98 | Nov-98 | Apr-99 |
| MW-6D | <.005  | <.005          | <.005  | 0.02   | 0.03   | 0.03   | 0.02   | 0.03   | 0.008  | <.005  | <.005  | <.005  | 0.012  | <.005  | 0.007  | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  |
| MW-7D | <.005  | <.005          | <.005  | <.005  | 0.008  | 0.012  | <.005  | <.005  | <.005  | <.005  |        |        |        | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  |
| MW-8D | <.005  | <.005          |        |        | <.005  |        |        |        |        |        |        |        |        | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  |        |        |

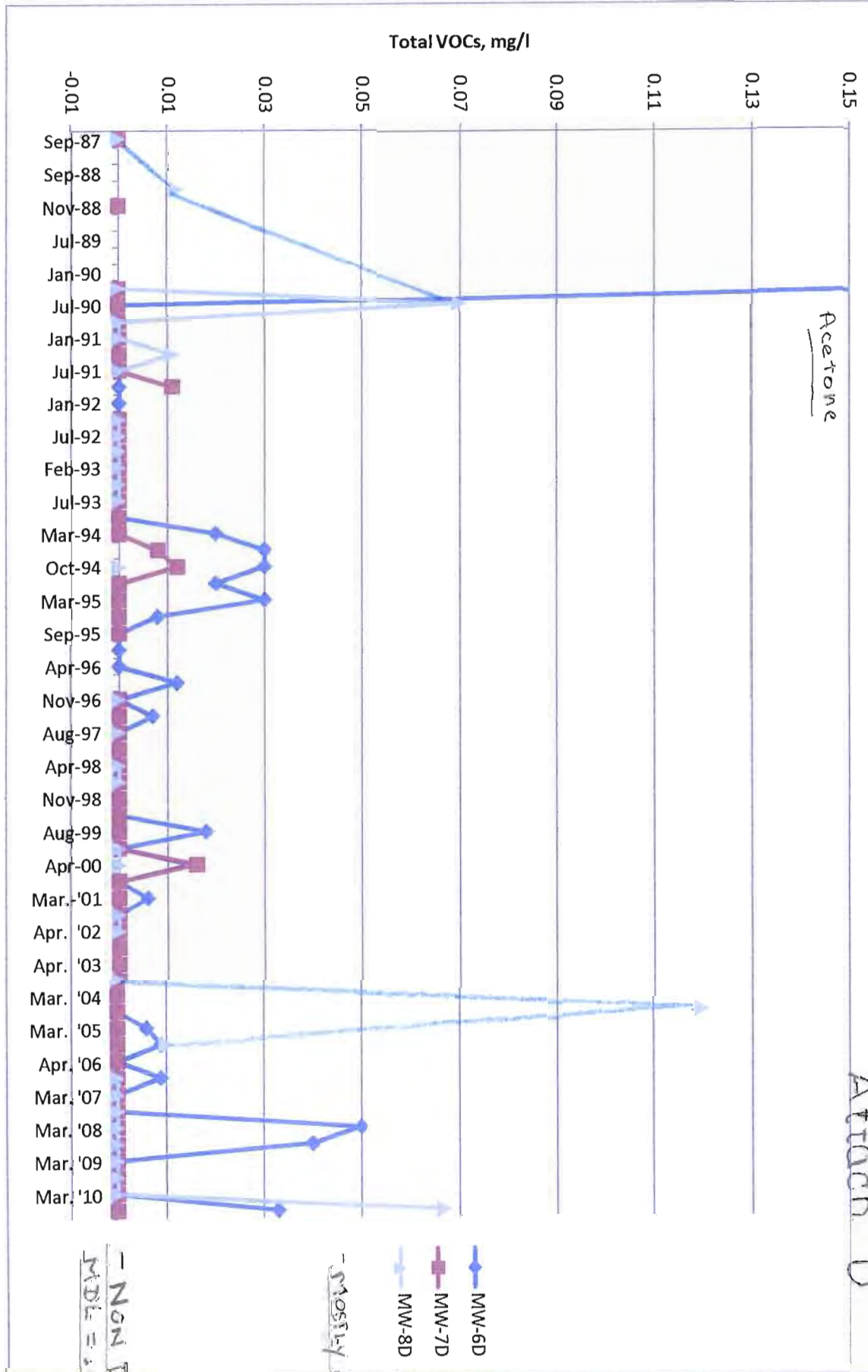
|       |        | Attachment 'D' |        |        |         |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
|-------|--------|----------------|--------|--------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|       | Aug-99 | Nov-99         | Apr-00 | Sep-00 | Mar-'01 | Aug-'01 | Apr. '02 | Aug. '02 | Apr. '03 | Aug. '03 | Mar. '04 | Aug. '04 | Mar. '05 | Aug. '05 | Apr. '06 | Aug. '06 | Mar. '07 | Aug. '07 | Mar. '08 | Aug. '08 | Mar. '09 |
| MW-6D | 0.018  | <.005          | 0.015  | <.005  | 0.006   | <.005   | <.005    | <.005    | <.005    | <.005    | <.005    | <.005    | 0.006    | 0.009    | <.005    | 0.009    | <.005    | <.005    | 0.05     | 0.04     | <.005    |
| MW-7D | <.005  | <.005          | 0.016  | <.005  | <.005   | <.005   | <.005    | <.005    | <.005    | <.005    | <.005    | <.005    | <.005    | <.005    | <.005    | <.005    | <.005    | <.005    | <.005    | <.005    | <.005    |
| MW-8D |        | <.005          | <.005  |        | <.005   | <.005   |          |          |          | <.005    |          | 0.12     |          | 0.01     |          | <.005    | <.005    | <.005    | <.005    | <.005    | <.005    |
|       |        |                |        |        |         |         |          |          |          |          | (f) est  |          |          |          |          |          |          |          | acetone  | acetone  |          |

|       | Aug. '09 | Mar. '10 | July '10 |
|-------|----------|----------|----------|
| MW-6D | <.005    | <.005    | 0.033    |
| MW-7D | <.005    | <.005    | <.005    |
| MW-8D | <.005    | <.005    | 0.067    |
|       |          |          | ace/CS2  |

Attach. 'D'

Palmer L/Fill; Total VOCs; MW-6D,7D,8D

Attach 'D'



Total VOCs, mg/l

Acetone

- Non Detect  
MDL = 0.005  
mg/l

- Mostly Acetone  
MW-6D  
MW-7D  
MW-8D  
UPGRAD

| PALMER ST. L/F, MOENCH COMPANY         |                   |            |        |        |        |          |        |        |        |        |        |        |        |        |        |  |
|--|-------------------|------------|--------|--------|--------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| TOTAL VOLATILE ORGANICS vs TIME (MG/L) |                   |            |        |        |        |          |        |        |        |        |        |        |        |        |        |  |
|  | DEC.'10           | BANK SEEPS |        |        |        | BS-1,2,3 |        |        |        |        |        |        |        |        |        |  |
|  | Mar-94            | Jun-94     | Sep-94 | Dec-94 | Mar-95 | Jun-95   | Sep-95 | Dec-95 | Apr-96 | Aug-96 | Nov-96 | Apr-97 | Aug-97 | Nov-97 | Apr-98 |  |
| BS-1                                   | 0.13              |            |        | 0.009  | <.005  | <.005    |        |        | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  |  |
| BS-2                                   | (started in 2006) |            |        |        |        |          |        |        |        |        |        |        |        |        |        |  |
| BS-3                                   |                   |            |        |        | <.005  | <.005    |        |        | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  |  |

| (Attachment 'D') |        |        |        |        |        |        |        |         |         |          |          |          |          |          |          |
|------------------|--------|--------|--------|--------|--------|--------|--------|---------|---------|----------|----------|----------|----------|----------|----------|
|                  | Aug-98 | Nov-98 | Apr-99 | Aug-99 | Nov-99 | Apr-00 | Sep-00 | Mar-'01 | Aug-'01 | Apr. '02 | Aug. '02 | Apr. '03 | Aug. '03 | Mar. '04 | Aug. '04 |
| BS-1             | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  | <.005   | <.005   | <.005    | <.005    | <.005    | <.005    | <.005    | <.005    |
| BS-2             |        |        |        |        |        |        |        |         |         |          |          |          |          |          |          |
| BS-3             | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  | <.005  | <.005   | <.005   | <.005    | <.005    | <.005    | <.005    | <.005    | <.005    |

| acetone |          |          |                               |          |          |          |          |          |          |          |          |          |
|---------|----------|----------|-------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|         | Mar. '05 | Aug. '05 | Apr. '06                      | Aug. '06 | Mar. '07 | Aug. '07 | Mar. '08 | Aug. '08 | Mar. '09 | Aug. '09 | Mar. '10 | July '10 |
| BS-1    | 0.006    | <.005 b  | <.005 b                       | <.005 b  | <.005 b  | <.005 b  | <.005 b  | <.005 b  | <.005 b  | <.005 b  | <.005 b  | <.005 b  |
| BS-2    |          |          |                               | <.005 b  | <.005 b  | <.005 b  | <.005 b  | <.005 b  | <.005 b  | <.005 b  | <.005 b  | <.005 b  |
| BS-3    | <.005 b  | <.005 b  | <.005 b                       | <.005 b  | <.005 b  | <.005 b  | 0.011    | <.005 b  | <.005    | <.005    | <.005    | <.005    |
|         |          |          | (b) too dry; took creek smpl. |          |          |          |          |          |          |          |          |          |

-No graph generated as there is minimal detection, past 12 yrs

-Bank Seeps are often non-existent due to dry weather conditions. Creek sample adjacent to BS is taken in its' place.

TABLE B-2

PALMER SREET LANDFILL  
LANDFILL COVER SYSTEM EVALUATION  
TOTAL VOLATILE ORGANIC COMPOUND CONCENTRATIONS

|        | Sep 83 | Oct 83 | Dec 83 | May 84 | Jan 86 | Sep 87 | Mar 88 | Sep 88 | Oct 88 | Nov 88 | Apr 90 | May 90 | Jul 90 | Oct 90 | Jan 91 | May 91 | Jul 91 | Oct 91 | May 92 | Jul 92 | Oct 92 | Feb 93 | May 93 | Jul 93 | Nov 93 | Mar 94 | Jun 94 | Sep 94 | Oct 94 | Dec 94 | Mar 95 | Jun 95 | Sep 95 | Dec 95 | Apr 96 | Aug 96 |       |       |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| MW-1   |        | 6.130  | 3.050  | 0.000  |        | 0.005  |        | 0.000  | 0.000  |        | 0.000  |        | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.012  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |        |        | 0.000  | 0.009  |        |        |        |        |        |        |        |       |       |
| MW-1D  |        |        |        |        |        |        |        |        |        |        |        |        | 0.001  |        |        |        |        |        |        |        |        |        |        |        |        |        | 0.000  | 0.008  | 0.016  |        | 0.005  | 0.029  | 0.060  | 0.000  | 0.000  | 0.000  | 0.000 |       |
| MW-2   |        | 8.240  | 0.098  | 0.000  | 0.019  | 0.005  |        |        | 0.000  |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 0.001  | 0.001  |        |        |        |        |        |        |        |       |       |
| MW-3   | 0.084  | 8.970  | 0.000  | 0.000  |        | 0.000  |        |        | 0.000  |        | 0.000  |        | 0.000  | 0.000  | 0.000  | 0.012  | 0.011  | 0.016  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |        |        | 0.000  | 0.000  |        |        |        |        |        |        |        |       |       |
| MW-3DR |        |        |        |        |        | 0.005  |        |        |        | 0.000  |        |        | 0.000  |        |        |        | 0.007  |        |        | 0.001  |        |        |        | 0.000  |        |        |        |        |        |        |        |        |        |        |        |        |       |       |
| MW-4   | 0.260  | 2.460  |        | 0.000  | 0.000  | 0.000  |        | 0.031  | 0.000  |        | 0.000  |        | 0.000  | 0.000  | 0.000  | 0.002  | 0.005  |        |        |        |        |        |        |        | 0.006  |        |        | 0.006  | 0.586  | 0.092  |        | 0.001  | 0.001  | 0.004  | 0.000  | 0.001  | 0.000 | 0.000 |
| MW-4D  |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 0.001  | 0.008  | 0.003  |        | 0.001  | 0.003  | 0.002  | 0.002  | 0.001  | 0.000  | 0.000  | 0.000 |       |
| MW-5   | 0.190  | 2.020  |        | 0.000  | 0.000  | 0.000  |        |        | 0.000  |        | 0.033  |        | 0.022  | 0.006  | 0.002  | 0.007  | 0.240  | 0.007  | 0.029  | 0.019  | 0.006  | 0.001  | 0.011  | 0.000  | 0.002  |        |        |        |        |        |        |        |        |        |        |        |       |       |
| MW-6   | 1.400  | 4.820  |        | 0.000  | 0.000  | 0.000  |        |        | 0.000  |        | 0.002  |        | 0.000  | 0.000  | 0.003  | 0.000  | 0.011  | 0.015  | 0.000  | 0.009  | 0.011  | 0.003  | 0.002  | 0.003  | 0.013  |        |        |        |        |        |        |        |        |        |        |        |       |       |
| MW-6D  |        |        |        |        |        |        |        |        |        |        | 0.203  |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 0.016  | 0.028  | 0.028  |        | 0.017  | 0.025  | 0.008  | 0.002  | 0.001  | 0.010  | 0.012 |       |
| MW-7   |        |        |        |        |        | 0.000  | 0.036  | 0.000  |        |        |        |        | 0.000  |        |        |        | 0.037  |        |        | 0.003  |        |        |        | 0.000  |        |        |        |        |        |        |        |        |        |        |        |        |       |       |
| MW-7S  |        |        |        |        |        | 0.000  |        |        | 0.000  |        | 0.000  |        | 0.003  | 0.000  | 0.000  | 0.000  | 0.011  | 0.014  | 0.000  | 0.000  | 0.002  | 0.000  | 0.000  | 0.000  | 0.000  |        |        | 0.001  | 0.000  |        |        |        |        |        |        |        |       |       |
| MW-7D  |        |        |        |        |        | 0.000  |        |        |        | 0.000  | 0.000  |        | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.013  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.008  | 0.032  |        | 0.001  | 0.001  | 0.002  | 0.001  | 0.000  | 0.000  | 0.000 |       |
| MW-8   |        |        |        |        |        | 0.000  |        |        |        | 0.000  |        |        | 0.000  | 0.000  |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |
| MW-8D  |        |        |        |        |        | 0.000  |        |        |        | 0.033  | 0.002  |        | 0.057  | 0.000  | 0.000  | 0.014  | 0.000  |        | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  |        |        | 0.000  |        |        |        |        |        |        | 0.000  |        |        |       |       |

## Notes:

Concentrations listed as 0.0001 mg/L indicate VOCs were not detected.

Blank space indicates monitoring well was not sampled during that sampling event.

PALMER L/FIL VOC  
TOTAL

|     | Nov 96 | Apr 97 | Aug 97 | Nov 97 | Apr 98 | Aug 98           | Sep 98           |
|-----|--------|--------|--------|--------|--------|------------------|------------------|
| 1D  | 0.000  | 0.000  | 0.000  | 0.053  | 0.110  | 0.000            | 0.000            |
| 2   |        |        |        |        |        | 0.000            | 0.000            |
| 3D  |        |        |        |        |        | 0.000            | 0.033            |
| 3DR | 0.000  | 0.000  | 0.000  | 0.000  | 0.026  | 0.000            | 0.000            |
| 4   |        |        |        |        |        | <del>2.100</del> | <del>0.010</del> |
| 4D  | 0.002  | 0.008  | 0.000  | 0.005  | 0.000  | 0.000            | 0.000            |
| 5   |        |        |        |        |        |                  |                  |
| 6D  | 0.000  | 0.007  | 0.005  | 0.005  | 0.000  | 0.000            | 0.000            |
| 7   |        |        |        |        |        |                  |                  |
| 7D  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000  | 0.000            | 0.000            |
| 8   |        |        |        |        |        |                  |                  |
| 8D  | 0.000  |        | 0.000  |        | 0.000  | 0.000            | 0.000            |

RANDOM

ATTACHMENT "E"

\* FIELD MEASUREMENT DATA SHEETS;

SAMPLE EVENTS: MARCH + July 2010

\*Individual "field data sheets" were submitted with prior actual sample event reports. Contact Moench if you require them.

ATTACHMENT "F"

2010

ANALYTICAL DATA EVENTS: March & August & prior

\*Analytical data from IsleChem LLC, of Grand Island, NY  
was submitted in the prior individual semi-annual reports.  
Please contact Moench Co. if you require them.



6.0 REFERENCES

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