RETEC-PC

RETEC Engineering, P.C.
1001 West Seneca Street
Suite 204
Ithaca, NY 14850-3342
(607) 277-5716
FAX (607) 277-9057

June 30, 2000

Mr. Peter Ouderkirk, P.E.
NYSDEC
317 Washington Street
Watertown, New York 13601-3787

RE: **Phase II Remediation Completion Report**
East Rome Business Park
Rome, New York

Dear Peter:

Please find enclosed five copies of Volume I of RETEC Engineering's final completion report for the Phase II environmental remediation portion of the City of Rome's Roadway Right-Of-Way project. The data package and data usability summary report is provided in Appendix I of Volume I for you to forward to the NYSDEC Quality Control officer for this project. One copy of Volume II (asbestos information and waste manifests) is provided for your files.

If you have any questions regarding this submittal please do not hesitate to contact me.

Sincerely yours,

RETEC Engineering, P.C.

John T. Finn, P.E.
Senior Engineer

JTF:mlr

cc: Brian Thomas - City of Rome (w/o Volume II)
Gregg Ursprung - The Saratoga Associates (w/o Volume II)
Mark Ruhnke - Jack Eisenbach Engineering (w/o Volume II)
John Buck - Buck Engineering
Bruce Coulombe - ThermoRetec
file: 3-3594-000

Volume I
Phase II Close-Out Report
Road Right-of-Way
East Rome Business Park
Rome, New York

Prepared by:

RETEC Engineering, P.C.
ThermoRetec Consulting Corporation
1001 West Seneca Street, Suite 204
Ithaca, New York 14850-3342

and

Buck Engineering
3821 Buck Drive
Cortland, New York 13045

Subcontractors to:

The Saratoga Associates
443 Broadway
Saratoga Springs, New York

ThermoRetec Project No.: TSA20-03594

Prepared for:

Department of Planning and Community Development
City Hall
Rome, New York

June 30, 2000

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ThermoRetec Project No.: TSA20-03594

Prepared for:
Department of Planning and Community Development
City Hall
Rome, New York

Prepared by:

Phillip W. Shaffner, Project Manager - Buck Engineering

Technically Reviewed by:

John T. Finn, Senior Engineer, P.E. – ThermoRetec

June 30, 2000

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Executive Summary

The City of Rome, Oneida County, New York is in the process of developing a 17-acre parcel of land located in the southern part of the City, south of East Dominick Street, and adjacent to Railroad Avenue, currently known as the East Rome Business Park. Approximately 2.77 acres in the central core of this property have been acquired by the City for the development of a roadway that will extend from the junction of Railroad Avenue and Fifth Street at the north end of the site to the junction of Mill and East Whitesboro Street near the southwest corner of the site, hereinafter referred to as the roadway right-of-way (RROW). Extensive previous investigations provided evidence of various types of subsurface and other contamination on and under the RROW property.

Pursuant to an application for New York State assistance with the environmental remediation of the RROW, an Environmental Restoration Record of Decision (ROD) dated January 21, 1998 was issued by the NYS Department of Environmental Conservation. The ROD summarized the previous investigative findings and selected a remedial action alternative.

Remedial action at the RROW site was divided into two phases. Phase I consisted primarily of the demolition and removal of the above-grade structures on the RROW. Phase II, the subject of this report, consisted generally of storm sewer cleaning, removal of storm and sanitary sewers, the removal of underground petroleum storage tanks, removal and disposal of asbestos-containing materials, demolition and removal of the former boiler house, and the excavation and disposal of contaminated subsurface soils.

Detailed project specifications for the RROW Phase II remedial action plan were developed and published, a competitive procurement was conducted by the City of Rome, and a general contractor was selected to implement Phase II of the remedial action plan. The execution of the Phase II activities occurred during the period from mid-December 1998 through the end of August 1999.

The following activities were included in the Phase II work:

- Excavation and removal of contaminated soil from areas designated in the project plans as excavation areas A, B, C, D, and E;
- Asbestos abatement in, and demolition of, the former boiler house (former building 9);
- The closure (by excavation and removal) of four underground and one above ground petroleum storage tanks;
- The removal of fuel line A;
- The excavation and removal of sewer line A;
- The excavation and removal of storm lines A, E, F, G, H, J, and L;
- Cleaning of storm lines B, C, D, I, K, N, P, and Q (Note: In several instances, storm line cleaning was limited because of blockages in the lines.);
- The excavation and removal of tunnels, A, B, C, D, and E;

Executive Summary

- The removal of hazardous waste from the site that had been collected and stored during Phase I of the project;
- The removal of debris piles from the site;
- Removal of an underground acid line;
- Cleaning of a PCB and asbestos contaminated electrical vault; and
- Backfilling of the excavations.

Project activities were performed by Ciminelli Services Corporation (CSC) of Tonawanda, New York, the general contractor and several CSC subcontractors. Project specifications were prepared by The Saratoga Associates (TSA) (general and earthwork specifications) and TSA subcontractors ThermoRetec/RETEC Engineering, P.C. (non-asbestos related remediation specifications) and Buck Engineering (asbestos abatement specifications).

Extensive sampling and analysis was performed of soils and groundwater from the bottom of the excavations and it is believed that all of the final confirmation sample results were within the guidelines established by the NYS Department of Environmental Conservation.

Air sampling was performed during the various project activities that included asbestos abatement and soil excavation. There was no indication from the air sample results that on-site personnel or residents of surrounding areas were exposed to concentrations of asbestos fibers or other chemicals above work plan or regulatory limits.

This report of Phase II of the project consists of two (2) volumes. Volume I contains a narrative description of the Phase II work and a summary of the analytical results. Volume II contains asbestos abatement related documentation and hazardous and non-hazardous waste disposal manifests.

1 Introduction

1.1 Purpose of Report

The City of Rome, Oneida County, New York is in the process of developing a 17-acre parcel of land located in the southern part of the City, south of East Dominick Street, and adjacent to Railroad Avenue, currently known as the East Rome Business Park. Approximately 2.77 acres in the central core of this property have been acquired by the City for the development of a roadway that will extend from the junction of Railroad Avenue and Fifth Street at the north end of the site to the junction of Mill and East Whitesboro Street near the southwest corner of the site, hereinafter referred to as the roadway right-of-way (RROW). Extensive previous investigations provided evidence of various types of subsurface and other contamination on and under the RROW property.

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Detailed project specifications for the RROW Phase II remedial action plan were developed and published, a competitive procurement was conducted by the City of Rome, and a general contractor was selected to implement Phase II of the remedial action plan. The execution of the Phase II activities occurred during the period from mid-December 1998 through the end of August 1999.

The purpose of this Phase II close-out report is to document and describe the Phase II remedial action taken at the RROW site.

1.2 General Site Background

The background of the East Rome Business Park RROW property has been extensively researched and documented in a series of reports that are a matter of public record and are available in several record depositories established by the City of Rome. In general, the site, or portions thereof, have been used for a variety of industrial purposes since the late 1800s. The primary occupant of the site during the period from 1920 to 1972 was the General Cable Corporation whose primary industrial activity involved the manufacture of various types of wire and cable. During that period, a wide range of metal working activities were conducted including machining, stamping and drawing, plating, pickling, and wire coating with rubber, asbestos, and paints. General Cable ceased operations at the site in 1972 and, with minor exceptions, the site has been abandoned since then.

1.3 Project Organization and Decision Making

The Saratoga Associates (TSA) of Saratoga Springs, New York was the lead consultant on this project, retained directly by the City of Rome, and developed the general specifications for this project.

ThermoRetec (and their subcontractor RETEC Engineering, P.C.) of Ithaca, New York was retained by TSA as the remediation consultant and developed the non-asbestos related site remediation specifications.

Buck Engineering of Cortland, New York was retained by TSA as the asbestos consultant and developed the asbestos abatement specifications.

Buck Environmental Laboratories of Cortland, New York was retained by TSA to provide certain analytical services and to provide onsite air monitoring and general contractor oversight services.

Based on the project manual published by TSA, a competitive procurement process was conducted and Ciminelli Services Corporation (CSC) of Tonawanda, New York was selected as the General Contractor for the project.

Overall project coordination was provided by representatives of the NYS Department of Environmental Conservation Watertown, New York Regional Office.

Project meetings were held on a weekly basis throughout the duration of the project that were regularly attended by the project team which consisted of representatives from:

- The City of Rome Department of Planning and Community Development; Mr. Brian Thomas, Senior City Planner

- The NYS Department of Environmental Conservation;
  Mr. Peter Ouderkirk, P.E.
- The Saratoga Associates;
  Mr. Gregg Ursprung, P.E.
- ThermoRetec/ RETEC Engineering, P.C;
  Mr. Bruce Coulombe
  Mr. John Finn, P.E.
- Buck Engineering
  Mr. Phillip W. Shaffner
- Buck Environmental Laboratories; and
  Mr. Brian Jones
  Mr. Eric Monsen
- Ciminelli Services Corporation.
  Mr. Ronald Prohaska
  Mr. Joseph Watroba

Project status reports were regularly provided at the weekly project meetings. Issues related to the project scope, or changes in the project scope, were discussed and resolved, and confirmatory analytical results were reviewed by the project team.

Representatives of the City of Rome and NYSDEC approved the completion of each task, based on their field observations and review of the analytical results. Representatives of the City of Rome and NYSDEC authorized changes to the scope of work as they arose during the project. These approvals of completion and authorization of changes are noted in the descriptions of each activity in Section 2 of this report.

1.4 Report Organization

This report consists of two (2) volumes. Volume I contains:

- A narrative description of the Phase II work activities;
- Certification of the asbestos abatement work;
- Certification of the environmental remediation Engineer; and
- Appendices containing a summary of the chemical analyses and soil compaction tests performed during Phase II.

Volume II of this report contains copies of the hazardous waste disposal manifests and other pertinent project documentation.

The analytical results and other project-related documents have been placed on file with the NYS Department of Environmental Conservation.

2 Phase II Work

The following paragraphs provide a description of the work performed during Phase II of the East Rome Business Park Project. The primary purpose of this work was to remediate environmental conditions found during previous investigations of the property.

2.1 Building 9 Abatement and Demolition

Building 9 was formerly located near the center of the site and is the only building that was demolished during Phase II of the East Rome Business Park project. The building had been previously condemned by the City of Rome as being structurally unsound. Water had accumulated to a depth of approximately five feet in the basement of the building. The building housed three boilers used to generate steam and electricity for use by the various buildings at the former General Cable site. The boilers were originally fueled with coal, stored in two 3-story towers attached to the north side of the building. The boilers were converted from coal to fuel oil at an unknown date in the past. Prior to the start of the Phase II activities, the presence of a 20,000 gallon underground fuel oil storage tank was known and this tank was located immediately west of building 9. During the demolition of building 9, and the excavations related to subsurface petroleum contamination west of building 9, four additional fuel oil storage tanks were discovered, one aboveground tank in the basement of building 9, and three underground tanks located to north of the 20,000 gallon tank and west of building 9.

The three boilers were located in an east-to-west orientation and were nearly identical in construction with their bases resting on the floor of the basement of building 9, and the upper portions extending to near the roof of the building, approximately 3-stories above grade. A network of steel decking, ladders and stairways provided access to the tops of the boilers and the associated piping above the ground floor.

Four tunnels originated in the basement of building 9. Tunnels B and C exited the south side of the basement and both intersected with tunnel A south of the building. Tunnels B and C were known prior to the start of the project and were cleaned as part of the Phase II scope of work prior to the start of the demolition of building 9. The other two tunnels were discovered after dewatering of the basement was complete. One tunnel exited the basement's east wall and opened into the basement of building 33. The other tunnel exited the northeast corner of the basement and ran in a generally northeast direction for approximately 75 feet before terminating at a brick wall. Both of the newly discovered tunnels had

several pipes running through them, two of which appeared to be insulated with asbestos-containing materials. No remediation or testing was conducted on any portion of these tunnels that were left in place.

The initial plan for the abatement and demolition of building 9 was for the friable asbestos-containing materials (ACM) to be removed from the piping, boilers, and other fixtures within building 9 prior to the start of demolition. Abatement of the ACM from building 9 was performed by Arric Corporation of Depew, New York, a subcontractor of Ciminelli Services, and was started on December 15, 1998. Air monitoring during the asbestos abatement activities was performed in accordance with NYSDOL Industrial Code Rule 56. Critical barriers were constructed to seal off the work area, a remote decontamination unit was established on the west side of the building, and HEPA units were set up to establish negative air pressure within building 9. The abatement of the southern section of the boiler house was completed on December 18, 1998 and acceptable final clearance air sample results were obtained on December 22, 1998.

The removal of asbestos from the main portion of the boiler house began December 23, 1998. After partial disassembly of the top of the first boiler, asbestos insulation was found throughout the internal boiler structure. A change order to the contract was initiated for the cost of removal of the ACM found inside the boilers and the abatement contractor proceeded with the removal of other ACM that had been included in the original scope of work.

By December 29, 1998 it became necessary to dewater the basement in order to measure the quantity of asbestos concealed below water and continue its removal. Water from the basement of the boiler house was pumped through a five micron filter (to remove asbestos fibers) and discharged into the municipal sanitary sewer line on Railroad Avenue. Sixty hours of pumping were necessary to lower the water level to a depth of 10 inches, at which point the basement was entered. Approximately 755 linear feet of ACM pipe insulation was removed and two tunnels (discussed above) were discovered. The removal of pipe insulation was complete by January 12, 1999.

It was decided that the abatement contractor would remove the ACM from the interior of the boilers after first removing the steel jacket on the exterior of the boilers and work resumed March 8, 1999. However, shortly after this work was started a section of the east wall of building 9 (adjacent to building 33) was observed to be seriously weakened and near collapse. Ciminelli Services attempted to shore-up this section but the attempt was not successful and a portion of the east wall collapsed. Other structural concerns were noted such as cracks in the brick load bearing walls, severely corroded steel decking that fell into the basement, and deteriorated roof beam supports. Based on these conditions, it was determined that it was not safe to perform further work inside building 9 and

abatement within the building was halted. At the time that work within the building was halted, one of the three boilers had been partially dismantled.

The plan for building 9 ACM abatement and demolition was then revised to demolish the building without having first removed the ACM under the provisions of NYSDOL Applicable Variance 106. Demolition of building 9 was begun on June 21, 1999. Air monitoring was performed in accordance with applicable regulations and respirable dust monitoring was also performed. A fire hose was used to wet the demolition materials and minimize the dust generated as demolition occurred. The exterior walls of the building (non-ACM materials) were separated from the asbestos-contaminated debris to minimize the disposal costs. The demolition was complete by July 13, 1999.

Steel was separated from other asbestos-contaminated debris and was decontaminated before being staged for removal from the site. The asbestos-contaminated debris from building 9 was removed from the basement, hauled off site, and disposed of at the Highland Ash Landfill. Disposal manifests and other pertinent documentation are on file at the City of Rome Department of Planning and Community Development. Water collected from the basement of building 9 was pumped into onsite storage tanks for later treatment through an activated carbon filtration system before being discharged to the municipal storm sewer. The entire basement floor, and the adjacent coal sump, were shoveled clean and then fractured to prevent the future accumulation of water.

Final clearance air samples were collected after all asbestos-containing debris was removed from the site, and the results were within regulatory limits. The basement of building 9 was backfilled with sand to the existing grade on August 26, 1999. The foundation walls of building 9 were left in place.

2.2 20,000 Gallon UST Closure

This 20,000 underground petroleum storage tank (UST) was located immediately west of the boiler house (building 9) and had been used for the storage of #6 heating oil. Fuel line B connected this tank to the boiler house and the removal of fuel line B was included in this project. The removal of the tank contents and cleaning of the tank interior was performed by Griffin Industrial Services, a subcontractor of Ciminelli Services.

The removal of the tank contents started on December 16, 1998 by heating the fuel oil with steam from a portable steam generator and removing the mixture of fuel oil and water by a vacuum truck. The removal of the tank contents and cleaning of the tank interior were completed on December 21, 1998. The soil located above the tank was excavated and the tank was removed from the ground. Petroleum

contaminated soil was returned to the excavation for later removal during the removal of petroleum-contaminated soil from excavation area B. No soil sampling or analysis was performed during this tank closure since this activity was performed in relation to the excavation of area B.

2.3 Miscellaneous Tank Closures

The project specifications included the closure of one underground 20,000-gallon fuel oil storage tank (described above) that was located immediately west of the former boiler house (building 9). However, during the Phase II activities, four (4) additional petroleum storage tanks were discovered at the site. The tanks were numbered sequentially in order of discovery and subsequently excavated and removed from the site.

2.3.1 Tank 1 Closure

Tank 1 was a 500-gallon aboveground petroleum storage tank located in the basement of the former boiler house (building 9) and was discovered when the standing water in the basement was removed. The tank had previously been completely covered with water. After the water level was lowered it was noted that there was a hole in one wall of this tank where it appeared that a pipe had been attached. It was also observed that there was no petroleum remaining in the tank. Tank 1 was removed from the basement during the demolition of building 9 and removed from the site. No sampling or analysis was performed for this tank closure.

2.3.2 Tank 2 Closure

Tank 2 was a 24,000-gallon underground petroleum storage tank that was discovered during the excavation of storm line M and was located near the northwest corner of the former boiler house (building 9), immediately south of the Rossi building. This tank was excavated and removed from the site during the excavation of area B. The tank was found to be full of groundwater and there was a slight petroleum-like sheen on the surface of the water. The water from tank 2 was pumped to an onsite storage tank and treated through the activated carbon remediation system before being released to the municipal storm sewer. Prior to being removed from the excavation, the tank was opened and the interior and exterior of the tank was cleaned using a pressure washer.

A confirmation composite soil sample was taken from beneath the locations of tank 2 and 4 and analyzed for TCLP VOCs, TCLP SVOCs, and PCBs. No contaminant concentrations above project clean-up objectives were found in the sample.

Soil samples: SC-EXCB-37

2.3.3 Tank 3 Closure

Tank 3 was a 20,000-gallon underground petroleum storage tank that was located slightly northwest of the original 20,000-gallon underground petroleum storage tank (west of former building 9). Tank 3 was discovered when excavation area B was enlarged to the north. Tank 3 was full of groundwater and a petroleum-like sheen was noted on the water. Water from tank 3 drained out into the excavation through holes in the tank walls. Prior to being removed from the excavation, the tank was opened and the interior and exterior was cleaned with a pressure washer. Tank 3 was excavated and removed from the site during the excavation of area B. Water from the tank 3 excavation was pumped to an onsite storage tank and treated through the activated carbon remediation system before being released to the municipal storm sewer.

After the removal of petroleum-contaminated soil from the tank 3 excavation, a confirmation composite soil sample (SC-EXCB-39) was obtained from beneath the tank and analyzed for NYSDEC STARS Memo 1 listed VOCs, SVOCs, and PCBs. No contaminant concentrations above project clean-up objectives were found in the sample.

Soil Samples: SC-EXCB-39

2.3.4 Tank 4 Closure

Tank 4 was a 10,000-gallon underground petroleum storage tank that was located immediately west of tank 2 and was discovered during the excavation and removal of tank 2. Tank 4 was completely full of groundwater and there was a petroleum-like sheen on the water. Water from the tank interior was pumped to an onsite storage tank and then was treated through the activated carbon remediation system before being released to the municipal storm sewer. Prior to being removed from the excavation, tank 4 was opened and the interior and exterior were cleaned with a pressure washer.

After the removal of petroleum-contaminated soil from the tank 4 excavation, a confirmation composite soil sample (SC-EXCB-37) was obtained from beneath the tank and analyzed for TCLP VOCs, TCLP SVOCs, and PCBs. No contaminant concentrations above project clean-up objectives were found in the sample.

Soil Samples: SC-EXCB-37

2.4 Excavation Area A

Excavation area A was located near the southwest corner of the site, immediately south of former building 38, east of the former Mosca garage, and west of former building 11. Excavation A involved the removal of soils from around two subsurface clay tile drainage pipe junctions. The soils were suspected of being contaminated with hydrocarbons and/or PCBs. Several of the drainage lines within the limits of the excavation were cleaned (see storm line cleaning). All of the other storm lines were removed. After the excavation and removal of these lines, no field indications of soil contamination were noted in the excavations. Therefore, 9 test pits were dug on March 30, 1999, ranging in depth from 10 to 12 feet, and a composite confirmation soil sample (SC-EXCA-29) was collected for laboratory analysis for VOCs, SVOCs, and PCBs using ASP CLP protocol. No contaminants were detected in the sample above project clean-up objectives and the excavation activity was deemed complete on April 12, 1999.

Soil Samples: SC-EXCA-29

2.5 Excavation Area B

Excavation area B was located immediately west of former building 9 (boiler house). A 20,000-gallon underground fuel oil tank was removed from this area in December 1998 (see 20,000 Gallon UST Closure section). The purpose of this excavation was to remove the petroleum-contaminated soil previously in the vicinity of the 20,000-gallon tank.

The excavation of contaminated soil from area B was begun on February 16, 1999 at the southeast corner of the boiler house. The excavation revealed a 1 foot thick layer of slag and cinders above dark gray clay embedded in non-continuous horizontal beds of peat ranging in thickness from less than 1 to 4 inches. Strong odors typical of petroleum, and PID measurements up to 150 ppm were encountered as the excavation proceeded in a westerly direction away from former building 9. Contaminated soil was removed to a point approximately 70 feet west of former building 9.

During the northerly expansion of excavation area B on March 15, 1999, a previously unknown 24,000-gallon underground petroleum storage tank (designated tank #3) was encountered.

As the excavation of area B continued, it became apparent that this excavation was hydraulically connected to the basement of former building 9 and groundwater from the basement began flowing into the excavation area. The contractor began pumping groundwater from the basement of building 9 to the municipal sanitary sewer in order to prevent the flooding of the excavation area. However, as a result

of water that had previously entered the excavation, the material being removed from the excavation had a high water content. Contaminated soil from this excavation had previously been deposited at the Seneca Meadows Landfill. Eventually, this landfill stopped accepting the high water content material and the disposal site was changed to the Hyland Landfill.

Tanks 2, 3, and 4 located north of the former location of the original 20,000-gallon tank, were excavated and removed and the resulting excavations became part of an expanded excavation area B. Following the excavation of the tanks, the expanded area B contained three deeper pits that all contained an accumulation of groundwater. Prior to the continued removal of petroleum-contaminated soil from these areas, the groundwater from the pits was pumped to onsite storage tanks. After the removal of soils with field indications of contamination, confirmation soil samples (EXCB-37, 39, and 40) were taken from the bottom of the pits for laboratory analysis. Soil sample EXCB-37 was taken at the bottom of the excavation of the former location of tanks 2 and 4 and analyzed for TCLP VOCs, TCLP SVOCs, and PCBs. Soil sample EXCB-39 was taken at the bottom of the excavation of former tank 3 and analyzed for NYSDEC STARS Memo 1 listed VOCs, SVOCs, and for PCBs. Soil sample EXCB-40 was taken from the bottom of excavation area B and analyzed for STARS Memo 1 listed VOCs, SVOCs, and for PCBs.

The analytical results of the soil confirmation samples revealed no contaminant concentrations above project clean-up levels and authorization was given for the backfilling of the excavation.

The northern portion of the expanded excavation area B was backfillled with processed (crushed) brick material that had been stockpiled on roadway property from building demolition activities that were a part of another project. The processed brick was used in the portion of the excavation that was located at the south end of the Rossi property and outside the RROW. The portion of the excavation within the RROW was backfilled with run-of-bank gravel from the bottom of the excavation to the indicated groundwater level, and with sand from the top of the run-of-bank gravel to the final surface elevation. A field technician from Atlantic Testing Laboratories was on site during the backfill operations to test for adequate compaction (compaction results are provided in Appendix L). Excavation area B was considered complete on June 14, 1999.

Soil Samples: EXCB-37
EXCB-39
EXCB-40

2.6 Excavation Area C

Excavation area C is located near the north-south center of the site, surrounded on the east, south, and west respectively by building 39, building 33, and the former building 9. Excavation area C was the site of former building 39A and was used as an electrical distribution center. The excavation activity was begun on January 21, 1999 and consisted of the removal of a concrete slab and the soil from immediately beneath the slab. The soils beneath the concrete slab had been suspected of containing PCB and asbestos contamination.

Air monitoring as required for asbestos abatement projects was performed during the excavation activity in this area. Following the removal of the concrete slab and approximately 1 foot of soil, confirmation soil samples were collected (SC-C-6) February 1, 1999, and (SC-C-23) February 18, 1999. Soil sample SC-C-6 was analyzed for VOCs, SVOCs, and PCBs using ASP CLP protocol. Soil sample SC-C-23 was analyzed via TCLP for SVOC compounds. Following a review of the analytical results, it was determined that no contaminants had been found in the samples with contaminant concentrations above project clean-up objectives and the excavation activity was deemed complete on August 26, 1999. Due to the shallow nature of the excavation in this area, no backfilling was done.

Soil Samples: SC-C-6

2.7 Excavation Area D

Excavation area D was located at the north end of the site and spanned the ROW from east to west. The removal of the concrete slab covering the excavation area was begun on January 8, 1999. A complex network of concrete walls, pillars, and crawl spaces was found beneath the concrete slab.

No field indications of soil contamination (i.e., PID measurements, discolored soils, or odors) were observed until the excavation reached a depth of approximately 4 feet beneath the surface. The top 4 feet of soil consisted of a mixture of slag, cinders, wood, coal, miscellaneous pieces of concrete, and miscellaneous construction debris. This material was deemed unsuitable for road construction and the material was removed and disposed of off site.

The material located below the 4 foot depth consisted of yellowish cobbley soil that had an odor and from which PID measurements of up to 72 ppm were obtained. The contamination did not appear to be concentrated around structures (such as sanitary sewer lines) but was widespread beginning at the interface between the two soil types. The excavation continued in a southerly direction, bound on the west by the Rossi property to the west, and on the east by the Gaetano property.

On January 26, 1999, an 8-inch diameter water line (believed to be a fire line) was inadvertently ruptured along the east wall of the excavation, approximately 25 feet south of the indication location of the project plans. Approximately 1 foot of water, with floating free product, accumulated in the excavation before the ruptured line could be capped.

It was determined by the project team that the water accumulated in the excavation would have to be pumped out and additional contaminated soil removed. Water from the excavation was sampled (WP-D1) and analyzed for PCB content and elevated concentrations of PCBs were found in the sample. Due to the presence of the PCBs, the municipal waste water treatment facility refused to accept the water from the excavation. As a result, a water treatment system consisting of activated carbon cells was obtained by the General Contractor and built on the site adjacent to excavation area D to treat the water before discharge.

The excavation activity proceeded in a southerly direction with the depth of the excavation reduced by approximately 1.5 feet to prevent the accumulation of groundwater in the excavation. The approximately final dimensions of the excavation were 200 feet in the north-south direction by 85 feet in the east-west direction.

During the excavation process, soil samples (SC-D10, 11, and 12) were taken for general characterization purposes from several areas of the excavation bottom. The laboratory analysis for these samples was for SVOCs and PCBs.

On April 26, 1999 water was pumped from excavation area D into on-site storage tanks for later treatment, allowing the remaining contaminated soil to be removed from the excavation. The excavation was subdivided into quarters and soil confirmation samples were collected from each quarter (SC-EXCD-33, 34, 35, and 36).

The laboratory analyses revealed that 3 of the 4 quarters had soil contamination concentrations less than the project clean-up objectives and authorization was given to backfill these areas. The sample from the northwest quadrant of the excavation had concentrations of PCBs above project clean-up objectives and additional soil sampling for laboratory analysis was performed in this area in an attempt to further isolate the PCB contamination. The area was divided into thirds and one soil sample was collected from the north two-thirds of the area, and two soil samples were collected from the southern third of the area (SC-EXCD-41, 42, 43, and 44) for laboratory analysis for PCBs.

The laboratory analyses indicated that the northern 2/3 of the target area had a PCB concentration less than project clean-up objectives and authorization was given to backfill this area. The laboratory analyses also indicated that

approximately ½ of the southern third of the area had a PCB concentration above project clean-up objectives and additional soil excavation would be necessary in this area. Groundwater from this area was pumped into onsite storage tanks and additional contaminated soils were removed. The final soil confirmation sample (SC-EXCD-45) was collected June 10, 1999. The PCB concentrations in this sample were under the project clean-up objectives and authorization was given to backfill the final section of excavation D.

In order to achieve acceptable compaction of the backfilled material, groundwater was pumped from the excavation into on-site storage tanks. Because of the rapid infiltration of groundwater into the excavation, backfill material (sand) was stockpiled around the excavation so that the material could be placed and compacted very rapidly after the groundwater level in the excavation was lowered. A field technician from Atlantic Testing Laboratories conducted compaction tests after the placement of each lift to verify compaction (compaction results are provided in Appendix L). The excavation was backfilled to an elevation approximately 18 inches below the finish grade of the proposed road, and tapered up to existing grade at the east and west edges. This excavation was considered complete July 7, 1999.

Soil Samples:
WP-D1
SP-D7
SC-D10
SC-D11
SC-D12
SC-C-23
SC-D-29
SC-EXCD-33
SC-EXCD-34
SC-EXCD-35
SC-EXCD-36
SC-EXCD-41
SC-EXCD-42
SC-EXCD-43
SC-EXCD-44
SC-EXCD-45

2.8 Excavation Area E

Excavation area E was located near the southwest corner of the site, immediately north of the former Mosca garage. An underground fuel oil storage tank had been removed from this location during a previous project phase and subsurface

petroleum contamination had been found during the excavation and removal of the tank.

The contamination had traveled in a southerly direction below the foundation of the former Mosca garage and the concrete floor slab of the building covering a portion of the contaminated soil was removed on January 21, 1999. Gray clay with strong petroleum odor, and PID measurements of approximately 300 ppm, was present below the northwestern portion section of the slab. Petroleum-contaminated soil was removed to an approximate depth of 5 feet in the southeastern portion of the excavation. The depth of the excavation in the area nearest the former fuel tank location was approximately 9 feet.

Confirmation soil samples were collected from excavation area E on January 26, 1999 (SC-E1, E2, E3, E4, and E5) and were analyzed for NYSDEC STARS Memo 1 listed VOC and SVOC compounds. Two of these samples, taken from the north side of the excavation had SVOC concentrations above STARS Memo 1 guidelines. Additional contaminated soil was removed from these locations and soil confirmation samples (SC-E8 and E9) were taken for laboratory analysis for STARS Memo 1 listed SVOC compounds via TCLP. The laboratory analysis of these samples indicated no contaminant concentrations above project clean-up guidelines and authorization was given to backfill the excavation.

The groundwater level in the excavation had risen to a depth of approximately 3 feet prior to the start of backfilling. Water was pumped from the excavation and discharged to the municipal sanitary sewer and backfilling was started on February 19, 1999. The backfill material (sand) was compacted with a backhoe bucket and no compaction testing was performed at this excavation. The backfilling was completed on January 25, 1999.

Soil Samples:
SC-E1
SC-E2
SC-E3
SC-E4
SC-E5
SC-E8
SC-E9

2.9 Fuel Line A Removal

Fuel line A was located at the north end of former building 13, oriented in a north-south direction. Fuel line A formerly connected the boiler house fuel storage facilities with an above ground fuel oil storage tank formerly located at the south end of the site near the Barge Canal. The fuel line ran beneath the concrete floor

slab of building 13, into tunnels A and B, and then into the basement of the boiler house (building 9). A small section of concrete floor slab of former building 13 was removed above the point where fuel line A crossed the southern limit of the ROW and the fuel line was removed through this excavation. Confirmation soil samples (SC-FLA-19 and 20) were taken from each end of the line where excavations were made to remove the piping. The samples were analyzed for VOCs, SVOCs, and PCBs using ASP CLP protocol. No contaminant concentrations were found in these samples above project clean-up guidelines. The excavations made to remove fuel line A were backfilled with sand.

Soil Samples: SC-FLA-19
SC-FLA-20

2.10 Sewer Line A Removal

Sewer line A was located near the north end of the site, beneath the concrete slab that covers this portion of the site. Sewer line A ran in an east-west direction through the area designated excavation area D. The line consisted of a 12-inch diameter clay tile pipe that extended beneath the concrete slab of the former Rossi building and extended through the ROW area to the Gaetano property immediately east of the ROW. The portion of sewer line A that ran beneath the ROW was to be removed during Phase II of the project. The excavation of this portion of sewer line A was conducted simultaneously with the excavation of area D that took place February 1999. No confirmation samples were taken specifically for sewer line A since these were combined with the confirmation soil samples taken from excavation area D.

Soil Samples: None

2.11 Storm Line A Removal

Storm line A was located near the southwest corner of the property and ran in a westerly direction between the former Mosca garage and Mill Street. The line consisted of a 3-inch diameter PVC line that is believed to have received effluent from a floor drain located in the former Mosca garage and the line discharged to the municipal sewer.

The excavation on storm line A was begun on February 15, 1999 by Chargo Earthworks, a subcontractor of Ciminelli Services. The excavation was started at the east end of the line (adjacent to the former Mosca garage) and continued west toward Mill Street. Field indications of contaminated soil were encountered approximately 25 feet west of the former Mosca garage and consisted of thick,

black sediments (possibly oil soaked silt and sand) within the line, on which PID measurements of approximately 20 ppm were observed. The piping and visually contaminated soil removed from the excavation from approximately 25 to 45 feet west of the former Mosca garage was removed from the excavation and staged on plastic sheeting. No field indications (i.e., discolored soil, odors, or PID measurements) were observed from the 45 foot mark to the end of the excavation. The excavation continued west to a point approximately 65 feet from the former Mosca garage, to the east side of the sidewalk bordering Mill Street where the PVC line was capped and the excavation activity halted. The remaining portion of the line beneath the sidewalk was abandoned in place. Backfilling of the excavation with sand was performed on February 17, 1999, prior to the receipt of the soil confirmation analytical results because of the dangers inherent in leaving the excavation open.

A confirmation soil sample (SC-SLA-13) was taken 35 feet from the east end of the line at a depth of 3 feet and analyzed for VOCs, SVOCs, PCBs using ASP CLP protocol. Although the laboratory analyses reviewed on February 24, 1999 indicated low concentrations of SVOCs, the excavation activity was considered complete.

Soil Samples: SC-SLA-13

2.12 Storm Line Cleaning – General

The cleaning of storm lines was performed by Industrial Services, a subcontractor of Ciminelli Services. The cleaning was performed, in general, by inserting a flexible, high pressure water line equipped with a special cleaning nozzle into the storm lines at the down-gradient end of the line, typically in a manhole. The water pressure from the high pressure nozzle moved the nozzle (and attached water line) up the line to be cleaned. After the nozzle had traveled as far as possible up the line, or to the designated end point for cleaning, it was pulled back through the line and the debris from the interior of the line was flushed back into the down-gradient manhole. Debris flushed from the line was collected at the down-gradient manhole using a vacuum truck. The contents of the vacuum truck were then discharged to an onsite storage tank for temporary storage before treatment through an activated carbon system and discharge to the municipal storm sewer.

2.13 Storm Line B Cleaning

Storm line B is located near the southwest corner of the site, extending from the Canterbury Press loading dock to a manhole located southwest of former building

38. It is believed that the drainage area of this line extends northwest of the Canterbury Press building to other buildings located along Mill Street.

Cleaning of storm line B was performed on December 14, 1998, beginning at the manhole located at the south end of the line and proceeding up-gradient toward the Canterbury loading dock area. The entire length of this line (approximately 152 feet) was successfully cleaned.

Samples: None

2.14 Storm Line C Cleaning

The project plans show storm line C running in a northeast to southeast direction from the approximate area of the Canterbury Press loading dock to a manhole located south of former building 38. An attempt was made to clean this line on December 14, 1998, starting at the down-gradient manhole. However, an obstruction in the line (or a collapsed line) was encountered approximately 15 feet north of the manhole and the cleaning activity was terminated.

Samples: None

2.15 Storm Line D Cleaning

Storm line D is located near the southwest corner of the site and runs in an easterly direction from a manhole located south of former building 38, beneath a paved area, and ultimately beneath the floor slab of former building 11. The project plans indicated that storm line D was to be cleaned from the manhole located south of former building 38, in an easterly direction beneath a paved area, and continuing easterly approximately 150 feet beneath the slab of former building 11. No down-gradient manhole could be located on this line at the time that cleaning was performed on December 14, 1998. Therefore, the cleaning was performed through the manhole located southwest of former building 38. A blockage was encountered in the line approximately 60 feet southwest of the manhole (approximately beneath the west wall of former building 11) and cleaning was terminated at this point. Despite this blockage, water continued to flow through this line after cleaning.

On May 18, 1999 it was noted that the manhole in storm line D located southwest of former building 38 was completely full of water, causing drainage problems for buildings located northwest of Canterbury Press. The General Contractor pumped the water from this manhole into a down-gradient manhole in storm line D, bypassing an apparent blockage in the line. It was believed at the time that storm

line D may have been damaged during the excavation of storm lines E, H, and/or during the excavation of area A.

The General Contractor proceeded with the repair of this line while attempting to determine the cause of the blockage. On May 26, 1999 Weber Industrial Services, a subcontractor of Ciminelli Services, attempted to re-clean the 60-foot section of storm line D that ran between the manhole and the west side of former building 11 (the portion of the line that had been previously cleaned in December 1998). It was found that the line was completely blocked approximately 10 feet from the manhole and the high pressure jet used for cleaning could not break through the blockage.

A video camera was used in storm line D, starting from the up-gradient manhole, to further investigate the cause of the blockage. The video indicated the line to be intact and plugged solid with sediment, but was unable to conclusively determine the cause of the blockage. Another attempt to remove the blockage from a previously unknown down-gradient manhole was unsuccessful (neither the high pressure cleaning jet, nor the video camera, could be maneuvered through a concrete structure in the storm line that is located beneath the concrete floor slab of former building 11).

The General Contractor then excavated overburden from the section of storm line D that was blocked, exposing the 18-inch diameter clay tile pipe. No portion of the pipe appeared to be collapsed and the sediments found within the blocked section of pipe appeared different from material used to backfill the adjacent excavations. Photos were taken of the exposed section of the line. Due to the fragile nature of the existing 18-inch clay tile pipe, several sections of the original pipe had to be removed and two 20-foot sections of 18-inch diameter PVC pipe were installed to replace the portion of the storm line removed. Flow through storm line D was reestablished on May 28, 1999 and the excavation was backfilled with material excavated from this location.

The laboratory analysis of samples taken for disposal purposes from the sediments removed from storm lines B, C, and D confirmed the presence of PCBs at a concentration of 72 ppm, requiring that the material be disposed of as hazardous waste.

Samples: CSC samples only

2.16 Storm Line E Removal

Storm line E was located near the south end of the site on the west side of former building 11. The line was oriented in a north-south direction and is believed to

have provided surface drainage for the driveway located west of former building 11. Flow in this line was from the south to the north where the line discharged to a 5 foot deep manhole located at the junction of storm line E and storm line H. Storm line E then continued in a westerly direction and discharged into a 12 foot deep manhole at the junction of storm line D. Sediments from the 12 foot deep manhole had been previously tested and elevated concentrations of PCBs were found. It was suspected the sediments from storm line E may also contained PCB's.

The excavation of storm line E was begun on February 18, 1999 at the 5 foot deep manhole located at the north end of the line. The depth of the 6-inch diameter clay tile pipe was from 1 to 3 feet below grade. Field indications of soil contamination (i.e., odors and PID measurements of approximately 70 ppm) were noted at a location approximately 45 feet south of the manhole. Since the lateral extent of the soil contamination was not then known, excavation activities were halted with the intent of completing the excavation as part of the upcoming excavation of area A.

All storm lines discharging into the 5 foot deep manhole were removed and the manhole was also removed. The opening in the 12 foot deep manhole where storm line E discharged to this manhole was sealed with masonry.

The removal of the contaminated soil from storm line E was performed April 14, 1999, and a confirmation soil sample (SC-SLE-31) was taken from the area where contaminated soil had been removed for laboratory analysis for VOCs, SVOCs, and PCBs using ASP CLP protocol. After the removal of the contaminated soil, the resulting excavation was a trench approximately 5 feet wide and 4 feet deep running the full length of storm line E with a circular enlargement at the point of soil contamination discussed above. Confirmation soil samples were collected in the non-contaminated portion of the line 45 feet south of the 5 foot deep manhole (SC-SLE-21) and 25 feet north of the south end of storm line E (SC-SLE-22). These two samples were analyzed for VOCs, SVOCs, and PCBs using ASP CLP protocol.

No indication of soil contamination above project clean-up objectives was found in the soil confirmation samples and authorization was given to backfill the excavation.

Samples: SC-SLE-21
SC-SLE-22
SC-SLE-31

2.17 Storm Line F Removal

Storm line F was located at the southwest corner of former building 38, oriented in a north-south direction. Flow through the line was in a southerly direction from the southwest corner of former building 38 to a manhole located approximately 31 feet south of the southwest corner of former building 38, at the junction of storm lines F and D. Storm line F was an 8-inch diameter clay tile pipe that is believed to have served as a surface and roof drain for building 38. The depth of the line was approximately 5 feet below grade. No testing was performed on this line prior to excavation.

Excavation of storm line F began on February 17, 1999 at the north end of the line and proceeded in a southerly direction to the manhole. No field indications of soil contamination (i.e., discolorations, odors, and PID measurements) were observed. The resulting excavation was a linear trench approximately 29 feet long, 6 feet wide, and 4.5 feet deep. The opening in the manhole where storm line F entered was sealed with masonry.

A confirmation soil sample (SC-SLF-14) was taken from the bottom of the excavation at its approximate midpoint and analyzed for VOCs, SVOCs, and PCBs via ASP CLP protocol. No indication of soil contamination above the project clean-up objectives was found in the analyses. Authorization was given to backfill the excavation April 12, 1999.

Samples: SC-SLF-14

2.18 Storm Line G Removal

Storm line G was located at the south end of the site, south and west of former building 38, and half of the line parallels the east wall of the former building 38. The other half of the line turns west toward a manhole located southwest of the former building 38. The approximate depth of the 6-inch diameter clay tile pipe was 4 feet below grade. The line is believed to have served as a roof and driveway drain. No sampling or analysis was performed on this line prior to its removal.

Excavation activities were started on February 15, 1999 at the manhole located southwest of former building 38, and proceeded in a northerly direction toward former building 38. There were no field indications of subsurface contamination until the excavation reached the corner of the former building 38. At this point, black soil with a noticeable odor and PID measurements of approximately 20 ppm were observed. The contamination appeared to spread laterally a distance of approximately 5 feet and horizontally to a depth of approximately 6 feet. No field indications of soil contamination were observed along the remainder of this line. The opening where storm line G entered the manhole was sealed with masonry.

A confirmation soil sample was collected from the mid-point of the northern leg (SC-SLG-15) and from the mid point of the south leg (SC-SLG-16) of this line. The samples were analyzed for VOCs, SVOCs, and PCBs using ASP CLP protocol. No contaminant concentrations above project clean-up objectives were found in these samples and authorization was given to backfill this excavation on March 3, 1999. The backfilling was completed on April 12, 1999.

Samples: SC-SLG-15
SC-SLG-16

2.19 Storm Line H Removal

Storm line H was located at the south end of the site, on the west side of former building 11. The line consisted of four sections that converged at a manhole located at the south end of former building 38. The north (main) section of storm line H was oriented north-south, parallel to the west wall of former building 11 and the east wall of former building 38, running between these two former buildings. The east section was very short, running in an easterly direction off the main north-south section. The south section was oriented in an east-west direction, running east from the south end of the main north-south section. The west section was oriented in a northeast-southwest direction, connecting with the main north-south section at the approximate mid-point of the north-south section and running southwesterly to a manhole located south of former building 38. This manhole was approximately 5 feet deep. It is believed that this 6-inch diameter clay tile pipe served as driveway drainage and discharge from building 11. The previous analysis of sediments from this line had confirmed the presence of PCBs.

Excavation activities for storm line H were begun on February 16, 1999. PID measurements of approximately 15 ppm were observed along the west section of the line approximately 20 feet northeast of the manhole.

Three confirmation soil samples were collected; the first from a point 35 feet north of the manhole (SC-SLH-24); the second 20 feet from the north end of the main north-south section (SC-SLH-25); and the third from the end of the main north-south section (SC-SLH-26). The samples were analyzed for VOCs, SVOC's, and PCBs using ASP CLP protocol. No contaminants were detected in these samples above project clean-up objectives and authorization was given to backfill the excavation on March 3, 1999.

Samples: SC-SLH-24
SC-SLH-25
SC-SLH-26

2.20 Storm Line I Cleaning

Storm line I runs in a northwest to southeast direction from the south side of a building located on the adjoining Nash property (located west of the project site) to a manhole located on the project site immediately east of the fence between the two properties. Storm line I continues in an easterly direction from this manhole and terminates in another manhole located immediately north of former building 53, at the junction of storm line I and storm line K.

Cleaning of storm line I occurred on December 15, 1998 and was started from the manhole near the Nash property line, cleaning up-stream toward the building located on the Nash property. The cleaning proceeded from the manhole approximately 60 feet into the Nash property where an obstruction occurred that prevented cleaning of the entire line. Further investigation revealed the obstruction to be a surface drain located mid-way between the manhole and the building located on the Nash property.

At the request of the NYSDEC, samples (SLI-1, 1-MS, 1-MSD, 1A, 2, 2A, 2A-MS, and SLI-2A-MSD) were collected from the manhole at the Nash property line and from sediments flushed from the portion of the line on the Nash property that was cleaned.

Additional cleaning occurred in the portion of storm line I that runs easterly from the manhole near the Nash property line to the manhole located north of former building 53. The cleaning was performed from the manhole north of building 53, approximately 75 feet in a westerly direction where an obstruction was encountered, preventing the cleaning of the entire line. Although it was not possible to clean the entire length of storm line I, flow was evident in the manhole located near the Nash property line in an easterly direction to the manhole located at the junction of storm lines I, K, and Q.

Storm line I was inadvertently damaged during the removal of sediments from tunnel C and the removal of storm line L. Repairs to the line were made prior to backfilling.

Samples:
- SLI-1
- SLI-1-MS
- SLI-1-MSD
- SLI-1A
- SLI-2
- SLI-2A
- SLI-2A-MS

SLI-2A-MSD

2.21 Storm Line J Removal

Storm line J was located on the west side of the site between the former boiler house and the adjoining Nash property to the west. The line was oriented in a north-south direction and was located very close to the property line. Storm line J was not found in the position indicated on the project plans since underground electrical cables had been installed at an unknown date in the past, destroying the original storm line. It appeared that a replacement storm line had been installed running approximately parallel to the Nash property line and located approximately 2 feet east of the original position of the line.

The flow in the replacement storm was from north to south, terminating in manhole located several feet east of the Nash property line. (Note: Storm line I also runs through this manhole.). It is believed that storm line J, a 6-inch diameter clay tile pipe buried 2 to 3 feet below grade, served as a driveway drain. No testing had been performed on sediments from this line prior to its removal.

The excavation of storm line J was performed by Chargo Earthworks, a Ciminelli Services subcontractor. Excavation activity was initiated at the south end of the line (at the manhole) on February 19, 1999. PID measurements of approximately 15 ppm were observed from soil located approximately 70 feet north of the manhole. The soil appeared to be primarily dark gray silty-clay, with some fine sand. A sheen was observed on water accumulated in the trench in this area. The contamination was limited to a vertical depth of a few feet and for a horizontal length of approximately 20 feet.

The storm line passed through a large concrete block at a point 100 feet north of the manhole. The block extended approximately 1.5 feet below grade and was approximately 4 feet long by 3 feet wide. The soils around the concrete block were excavated in an unsuccessful attempt to remove it. (It is believed that the concrete may have been one of the structural supports for an electric transmission tower.) Excavation of storm line J continued north from the north side of the concrete block for approximately 10 feet where the excavation activity was terminated. No field indications of contaminated soil were observed between the concrete block and the north end of the excavation.

Two confirmation soil samples were collected for laboratory analysis on February 23, 1999; the first from a point 40 feet north of the manhole (SC-SLJ-27); and the second 15 feet south of the northern end of the excavation (SC-SLJ-28). Both samples were analyzed for VOCs, SVOCs, and PCBs using ASP CLP protocol. No contaminant concentrations above the project clean-up standards were found in

the samples and authorization was given for the excavation to be backfilled. Backfilling of storm line J with sand was completed on March 17, 1999.

Samples: SC-SLJ-27
SC-SLJ-28

2.22 Storm Line K Cleaning

Storm line K is a 24-inch diameter clay tile pipe draining the north end of the site. No testing had been performed in sediments or water from storm line K prior to cleaning. Storm line K runs from a manhole (located in a driveway along the west side of the Rossi building) in a southeasterly direction beneath the concrete floor slab of the former Rossi building, to 2 manholes located in the north end of former building 9 (boiler house). At the second of the two manholes, storm line K turns in a southerly direction and extends to a manhole located immediately north of former building 53. From this manhole north of former building 53, storm line K continues in a southerly direction toward the Erie Canal located south of the site. Project plans called for storm line K to be cleaned from the manhole in the driveway east of the Rossi building, southeasterly to the manholes located in former building 9, and then southerly to a manhole located south of former building 53.

Cleaning of storm line K began on December 16, 1998 at the northern-most manhole in the driveway east of the former Rossi building. A blockage was encountered approximately 10 feet downstream from this manhole and cleaning was halted.

An attempt was made on December 16, 1998 to clean storm line K in a northwesterly direction from a downstream manhole located in the north part of former building 9. However, there was an accumulation of approximately 8 feet of water in the both of the building 9 manholes and cleaning was suspended until the manholes could be de-watered.

On February 4, 1999 a second attempt was made to clean storm line K. The blockage in this line located between former building 53 and the former boiler house could not be cleared, but limited flow through the line was noted. The portion of storm line K between the two manholes located in the eastern portion of former building 9 was successfully cleaned. An attempt was made to clean storm line K in a southerly direction from the south manhole to the manhole located north of former building 53 and a blockage was encountered approximately 35 feet south of the manhole. Cleaning of storm line K was then terminated.

Samples: None

2.23 Storm Line L Removal

Storm line L was located between the former boiler house and the Nash property, oriented generally northwest to southeast and is believed to have served as a driveway drainage line. The flow in the line was to the south, terminating in storm line I. No testing was performed on this storm line prior to its excavation. Storm line L passed through excavation area B believed to be contaminated with petroleum.

The excavation was performed by Chargo Earthworks, a subcontractor of Ciminelli Services, and began at the south end of the line. A 2 foot section of storm line I was inadvertently damaged during the initial excavation activity while trying to locate storm line L, and the broken section of storm line I was repaired by covering the broken section with a section of 55-gallon drum.

Samples: SC-SLL-30

2.24 Storm Line M Removal

Storm line M was located near the center of the site, adjacent to the northwest corner of former building 9 (boiler house). The line consisted of three segments that joined near the northwest corner of former building 9 and is believed to have once served to drain a paved section of driveway. One segment ran in an east-west direction from west of former building 9 to the junction of the three segments. A second segment was oriented in a north-south direction and ran from a point west of former building 9 in an easterly direction to the junction of the three segments. The third segment ran from the junction of the three segments in a northerly direction beneath the former Rossi building, joining storm line K. No testing was performed on sediments from storm line M prior to its removal. After reviewing the potential difficulty of removing the segment of storm line M that ran beneath the former Rossi building foundation, a decision was made by the project team to abandon in place this portion of storm line M.

Excavation of storm line M began on February 23, 1999 at the west end of the line. The soil encountered below the concrete slab located in this area consisted of a dark gray silty clay, with what appeared to be liquid phase petroleum seeping from thin layers of peat. PID measurements of 60 ppm were observed. Approximately 7 feet west of the west end of storm line M, a 24,000-gallon underground petroleum storage tank was discovered. The discovery of the tank, and the surrounding petroleum contamination was reported to the NYSDEC and NYSDEC Spill No. 98-14124 was assigned to the site.

The removal of the southern section of storm line M was postponed to be performed during the removal of the 24,000-gallon tank and the adjacent excavation of area B. Excavation area B eventually was in a northerly direction to encompass all of the former storm line M. No confirmation soil samples were collected from the excavation of storm line M since the confirmation sampling would be performed as part of the excavation area B sampling. Backfilling of the storm line M excavation was performed when excavation area B was backfilled.

Samples: None

2.25 Storm Line N Cleaning

Storm line N is located on the east side of the site, running in a southerly direction along the east side of building 39, near the south end of building 39. Near the southwest corner of building 39, storm line N turns in a southwesterly direction, and terminates in a manhole located in the northeast portion of former building 9 (at the junction of storm line K). The 18-inch diameter clay tile pipe was suspected of PCB contamination.

Cleaning began February 4, 1999 from the manhole located in former building 9 (at the junction of storm lines N and K) and proceeded in a northeasterly direction toward building 39. An obstruction was encountered approximately 40 feet northeast of the manhole and cleaning was halted. (Note: It is believed that the north-south portion of storm line N is visible along the west wall of the building 39 basement. The line appears to be collapsed in the basement and water was observed to be flowing from the line across the basement floor.)

Samples: None

2.26 Storm Line O

Storm line O is located north of former building 9 (boiler house) and is oriented in a north-south direction. The line is believed to have once served as roof drainage. Flow in storm line O is from the north to the south. Storm line O terminates in a manhole located in the northeast portion of former building 9 where it joins storm line K.

The project plans indicate that storm line O runs either through the basement of the former Rossi building, or beneath the basement/crawl space floor. However, the line was not found in this location and, based on the discharge of a storm line believed to be storm line O into a manhole located in the northeast corner of

former building 9, it is believed that storm line O is located along the west side of the ROW, immediately east of the former Rossi building.

There was a continuous discharge of a significant quantity of water from the line believed to be storm line O throughout the duration of the project, and it was believed that storm line O was draining groundwater (or leakage from a municipal potable water line) from the northern portion of the site. Because of the significant flow through this line, a decision was made by the project team to eliminate the excavation and removal of storm line O from Phase II of the project. Therefore, there was no excavation activity during Phase II specifically related to the removal of storm line O.

Samples: None

2.27 Storm Line P Cleaning

Storm line P is located at the north end of the site and is oriented east-west direction, parallel to Railroad Street. Flow in this line is from the west to the east and it was suspected that there may have been hydrocarbon contamination in the line originating from a source located west of the ROW. No testing was performed on contents from this line prior to cleaning. Cleaning of storm line P occurred on December 15, 1998 and no obstructions or other difficulties were encountered.

Samples: None

2.28 Storm Line Q Cleaning

Storm line Q is located near the south end of the site and runs in an east-west direction between buildings 33 and 52. The project plans show storm line Q flowing in a westerly direction and terminating in a manhole where storm line Q joins storm line K (entering the manhole from the north) and storm line I (entering the manhole from the west). The manhole is located immediately north of former building 53.

A sample taken previously from a catch basin at the up-gradient end of storm line Q tested positive for PCBs and it was suspected that the sediments from storm line Q would be PCB contaminated. No access to storm line Q could be located near the east end of the line. Cleaning of storm line Q took place on December 16, 1998, starting at the manhole north of former building 53 and proceeding in an easterly direction. An obstruction was encountered in storm line Q approximately 80 feet east of the manhole and cleaning was halted.

Samples: None

2.29 Tunnel A, B, C, and D Closure

The initial plan for the cleaning of tunnels A, B, C, and D was to clean them in place without removing the concrete slabs covering the tunnels. However, the project team changed this approach based on the difficulty that had been experienced with other tunnel cleaning during Phase I of the project. The revised approach to cleaning tunnels A, B, C, and D was to have the General Contractor remove the concrete slabs covering the tunnels to expose the tunnel interiors along the entire length of the tunnels.

Tunnel A runs in an east-to-west direction along the north end of former buildings 11 and 13 and intersected with tunnels B, C, and D near the east end of tunnel A. Tunnels B and C run in a northerly direction from their intersection with tunnel A to the basement of the former building 9 (boiler house). Tunnel D runs in a southerly direction from its intersection with tunnel A, beneath the concrete floor slab of former building 13. The tunnels contained asbestos-containing pipe insulation, water, and sediments believed to be contaminated with hydrocarbons and/or PCBs.

The removal of the concrete slab covering the east end of tunnel A was started on December 28, 1998. Asbestos abatement in the tunnels was performed by ARRIC Corporation, a Ciminelli Services subcontractor, and was completed on January 14, 1999.

The hydrocarbon-contaminated sediment from the concrete floors of tunnels A and B was removed and staged on plastic sheeting. After removal of the water and contaminated sediments, the tunnel walls were cleaned using a pressure washer. Following the cleaning, approval was given for the tunnels to be backfilled. Backfilling was completed on April 14, 1999. No soil confirmation sampling was performed in tunnels A and B.

Tunnels C and D had soil floors and approximately 9 feet of visually contaminated sediment was removed from tunnel C, with additional soil beneath this level that is believed to be contaminated. As the contaminated sediment was being removed from tunnel C on February 16, 1999, the concrete tunnel walls partially collapsed, preventing the removal of additional contaminated soil. Confirmation soil samples were taken for laboratory analysis (SC-TC-17 and 18) from the tunnel floor at either end of the collapsed section and analyzed for VOCs, SVOCs, and PCBs using ASP CLP protocol. Backfilling of tunnel C was completed on March 10, 1999.

After the removal of approximately two feet of sediments from the entire length of tunnel D, approval was given for backfilling which was completed on January 25, 1999.

Samples: SC-TC-17
SC-TC-18

2.30 Tunnel E Closure

Tunnel E was located along the joint boundary of former buildings 11 and 13 and was oriented in a north-south direction, crossing the ROW. The concrete slab covering tunnel E was removed on January 12, 1999, completely exposing the tunnel interior. No odors, soil discolorations, or PID measurements were observed in the dry, gravely mix of sand and cobbles on the tunnel floor. Abandoned piping was severed at each end of the tunnel where it entered the ROW and removed. No samples were taken from the tunnel area for laboratory analysis. The tunnel was backfilled with sand January 26, 1999.

Samples: None

2.31 Tunnel F Cleaning

The project plans indicated that tunnel F was located near the north end of the site, on the east and north sides of excavation area D. Portions of the existing concrete slab along the east and north sides of excavation D were removed in an attempt to locate tunnel F, but these efforts were unsuccessful. No tunnel could be located in the areas adjacent to excavation area D, and, therefore, no cleaning of tunnel F was performed. As a result of the above, no sampling or analysis was performed for tunnel F.

Samples: None

2.32 Hazardous Waste Removal

Some materials were encountered during Phase I activities at the site that, based on laboratory analyses, were categorized as hazardous waste. The materials were collected during Phase I and drummed, or otherwise packaged, and were stockpiled in a bermed, plastic-sheet lined, fenced-in, and posted area located in the northeast corner of former building 9 (boiler house). During the time period that elapsed between the end of the Phase I activities and the start of the Phase II

activities, the storage area was vandalized and one partially filled 55-gallon drum of a black, oily liquid was spilled within the bermed storage area.

The hazardous materials staged at the site consisted of automotive paints, solvents, and lubricants from the former Mosca Garage, as well as PCB-contaminated oils drained from an abandoned X-ray machine and other electrical devices found at the site. It was reported that the X-ray machine had been dumped at the site prior to the beginning of Phase I. Although an attempt was made (with the assistance of Griffiss Air Force base personnel) to trace the source of the X-ray machine, the attempt was unsuccessful. The NYSDOH was notified of the presence of the X-ray machine and NYSDOH personnel visited the site to check the unit for radiation and none was detected.

All of the hazardous materials were consolidated, to the extent possible, by Ciminelli Services. The original drums that contained hazardous materials were placed into new overpack drums and labeled accordingly. The electrical units that had been drained of PCB-contaminated oil were filled with a granular absorbent material to ensure that no free liquids remained. The plastic sheeting used to construct the staging area was placed into an oversized drum for offsite disposal.

A detailed manifest of all hazardous waste removed from the site was compiled and maintained by Ciminelli Services and copies are provided in Volume II of this report. The final shipment of the hazardous wastes was made June 16, 1999.

Samples: None

2.33 Debris Pile Removal

A debris pile containing asbestos-containing and asbestos-contaminated materials was located on the east side of the site, north of building 39. The debris is believed to have been generated from the demolition of buildings adjacent to the ROW site that occurred prior to Phase I of this project. The majority of the debris consisted of wooden roofing planks, and asbestos-containing roofing paper, with lesser quantities of transite board, scrap iron, and masonry. Due to the possibility of encountering friable asbestos while handling the debris, each bucket load of material was visually inspected during the loading process. No friable asbestos-containing materials were encountered. PCM air monitoring was also conducted around the perimeter of the work area during the loading process.

On January 20, 1999 the debris pile was thoroughly wetted prior to the start of loading. Twelve (12) tractor trailers of debris were removed the site. Final cleaning of the concrete slab beneath the debris pile was performed by hand on January 21, 1999.

Samples: PCM air samples

2.34 Acid Line Handling

An underground line containing sulfuric acid was encountered during the excavation of storm line H. The acid line was located on the west side of former building 11 beneath approximately 6 inches of concrete. The line appeared to run beneath the concrete slab of former building 11 and then in a westerly direction toward former building 38.

While removing the concrete slab from above a portion of storm line H on February 16, 1999 a black, 2-inch diameter PVC pipe was inadvertently severed and a small quantity (estimated to be less than 1 gallon) of a blue, transparent fluid spilled into the excavation. The spilled liquid effervesced vigorously when it came into contact with concrete debris in the excavation and, based on this action, it was assumed that the liquid was an unknown type of acid. Work was stopped immediately and the area was covered with a plastic sheet and cordoned off with barrier tape. A sample of the liquid was collected for laboratory analysis for characterization purposes. The blue liquid was determined in the laboratory to be sulfuric acid with a pH of 1.2 or lower.

The PVC line ran in a generally east-west direction across, and approximately 6 inches beneath, the concrete paved area between former buildings 11 and 38. A small opening was excavated in the concrete paving adjacent to the west wall of former building 11 in order to locate the line so that the section of line running beneath the concrete could be emptied prior to being excavated and removed. A sag in the line between the two access points allowed a small quantity of the acid to remain in the line despite the line having been drained from both ends. During subsequent activity to drain this line, colorimetric indicator tubes designed to detect airborne concentrations of sulfuric acid were used, and no airborne concentrations of sulfuric acid were detected above the OSHA permissible exposure limit.

Approximately 2 gallons of acid were recovered from the line and temporarily stored on site in a plastic barrel. Baking soda and water were subsequently added to the acid to increase the pH to a level between 6.5 and 8. The solution was then placed in an onsite water storage tank and later discharged through activated carbon to the municipal sanitary sewer system.

Samples: pH and acid type analysis

2.35 Electric Manway Cleaning

During the excavation of tunnel E, it was noted that there was a subsurface concrete structure believed to be a former electrical manway located immediately adjacent to tunnel E. The manway was filled with water and an unknown quantity of debris. A water sample (WC-TW-2) was obtained from the manway and analyzed for PCBs and pesticides. The laboratory analysis indicated an elevated concentration of PCBs in the sample and plans were made to include cleaning the manway as part of Phase II of this project. Cleaning of the manway had not been included as part of the original project specifications.

Water from the manway was pumped to an onsite storage tank prior to the removal of the debris. After the removal of the standing water, the debris was removed from the manway and was found to contain a significant quantity of water-logged asbestos-containing pipe insulation. A sediment sample (SP-EMW38-DL) was obtained from the manway and analyzed for PCBs. The analytical result indicated an elevated concentration of PCBs. The asbestos and PCB contaminated debris was removed from the manway and disposed of off site.

Samples: WC-TW-2
SP-EMW-38

2.36 Groundwater Conditions

The original project specifications only provided for the dewatering of the basement of former building 9 (boiler room) and did not include provisions for general dewatering of the site or the various excavation areas. However, it became apparent soon after the start of the major excavation activity that provisions would have to be made for controlling or removing groundwater from various areas of the site in order to complete the removal of contaminated soils.

The approximate depth to groundwater in the northern portion of the site (excavation area D) was 6 feet below grade (grade being defined as the elevation of the existing concrete slabs covering this portion of the site). The approximate depth to groundwater at the south end of the site was 9 feet. It was reported by City of Rome personnel that there may be a significant leak (several million gallons per day) from the municipal water mains which was contributing to the groundwater problems. Unsuccessful attempts were made on several occasions by City of Rome Water Department personnel to find and stop these leaks.

The general challenge of controlling and handling groundwater from the excavations was exacerbated in many instances by the presence of elevated concentrations of PCBs in the groundwater (or attached to sediments suspended in the groundwater). Because of the PCB (and in some instances petroleum)

contamination in the groundwater, an activated carbon treatment system was obtained by the General Contractor and erected at the site. In general the remediation system consisted of six 350-gallon drums filled with activated carbon, bag filters, and the associated pumps and plumbing. The carbon drums were arranged so that there were three paths through the system, each path consisting of two of the drums.

Specific areas where significant groundwater handling was required included:

Excavation area B (adjacent to former building 9);
Basement of former building 9;
Excavation area D (at the north end of the site); and
Excavation area E.

In some of the above areas (i.e., basement of building 9), there were periods where groundwater pumping was continuous through bag filters with the water discharged to the municipal storm sewer system in order to control the level of groundwater in active excavations. In these continuous pumping situations, periodic sampling and analysis of the groundwater was performed.

In most other situations, groundwater was pumped from the excavations to on-site holding tanks for temporary storage. Groundwater stored in the holding tanks was then processed through the activated carbon system before being discharged to the municipal storm sewer system. In these instances, prior to being discharged to the storm sewer, a small quantity of the stored groundwater was processed through the remediation system and samples were taken for laboratory analysis. After the analytical results were available, and the indicated concentration of contaminants was verified to be below project clean-up objectives, the stored water was discharged (through the remediation system) to the storm sewer.

In general, groundwater was removed from the excavations to facilitate the removal of contaminated soil located beneath the groundwater level, and to facilitate the placement of backfill in the excavations.

2.37 VOC, SVOC, and PCB Air Sampling

Air sampling and analysis was performed for VOCs, SVOCs, and PCBs at various locations at the site, at various times, during the excavation activities. In general, the air sampling was performed in those instances where prior sampling and analysis had indicated the presence of petroleum or PCB impacted subsurface soils. When sampling was performed, it was customary to perform air sampling at both up-wind and down-wind locations at the perimeter of the excavation areas.

The results of the VOC, SVOC, and PCB air sample analyses are provided in the appendices with this report. In no instance did the analytical results indicate airborne concentrations of VOCs, SVOCs, or PCBs that exceeded OSHA permissible exposure limits.

2.38 Dust Monitoring, Sampling, and Analysis

In compliance with the general Health and Safety Plan prepared for Phase II of this project, dust monitoring and dust sampling and analysis was performed throughout the duration of the project on days when excavation or demolition activities were taking place. Dust monitoring was performed with the use of a real-time dust meter. The meter was carried to various points around each excavation or demolition area and ambient dust concentrations were noted. No instances were recorded when ambient dust concentrations exceeded applicable OSHA dust concentration levels.

Dust sampling and analysis was also performed on days when demolition activity was underway. The dust samples were collected on 37 mm matched-weight filters that were attached to sampling pumps. Each sample was analyzed by gravimetric analysis in accordance with NIOSH Method 0500 for nuisance dust and the analytical results from the dust sampling are summarized in an appendix. In no instance did dust concentrations exceed applicable OSHA standards.

2.39 PCM Air Sampling During Asbestos Abatement

Air sampling and analysis was performed at all times during the project when asbestos abatement activities were underway in accordance with NYSDOL Industrial Code Rule 56. Air samples were analyzed by phase contrast microscopy (PCM) via NIOSH Method 7400. The results of the air sample analysis are provided in Appendix G.

3 Asbestos Certification

I certify that to the best of my knowledge, information, and belief that the asbestos abatement activities that occurred during Phase II of the East Rome Business Park Project were performed in accordance with the project specifications as originally published, or in accordance with the revised scope of work as approved by the project team, and with applicable regulations.

John H. Buck MYLN 55460 6-26-2000

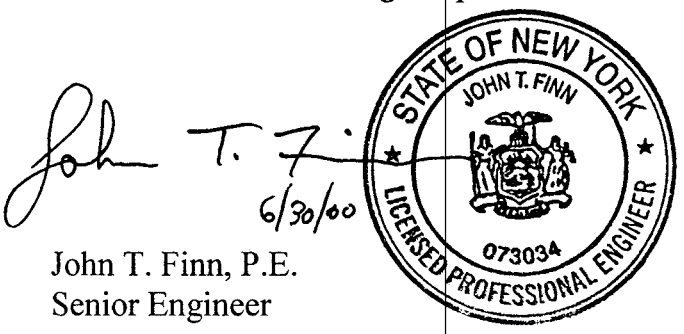
Buck Engineering, LLC Date

4 Remediation Engineer's Certification

The environmental remediation work performed for Phase II of the Roadway Right-of-Way project in the City of Rome, New York was completed in accordance with the NYSDEC-approved design documents, including the design changes approved by NYSDEC and the City of Rome, as described in this report.

ThermoRetec's work for this project was performed, and this Project Completion Report was prepared, in accordance with generally accepted professional practices for the nature and conditions of the work completed in the same or similar localities, at the time the work was performed. It is intended for the exclusive use of Saratoga Associates for the City of Rome, New York for specific application to a portion of the remedy described in the Record of Decision for the Road Right-of-Way in the East Rome Business Park, Rome, New York.

RETEC Engineering, P.C. under contract to
ThermoRetec Consulting Corporation



6/30/00

John T. Finn, P.E.
Senior Engineer

APPENDIX A

SOIL AND WATER TESTING ANALYTICAL RESULTS

A summary of the analytical results of soil and water samples taken during Phase II of the project are provided on the following pages. Analytical services were provided by:

Mitkem Corporation
175 Metro Center Boulevard
Warwick, Rhode Island 02886

East Rome Business Park - Phase II	
Soil and Water Confirmation Sample Listing	
SC-E1	Excavation E
SC-E2	Excavation E
SC-E3	Excavation E
SC-E4	Excavation E
SC-E5	Excavation E
WP-D1	Water Discharge Permission
SP-D7	Health & Safety Sample
WC-TE-2	Electrical Manway
SC-C6	Excavation C
SC-E8	Excavation E
SC-E8LMS	Excavation E
SC-E9	Excavation E
SC-D10	Excavation D
SC-D11	Excavation D
SC-D12	Excavation D
SC-SLA-13	Storm Line A
SC-SLF-14	Storm Line F
SC-SLG-15	Storm Line G
SC-SLG-16	Storm Line G
SC-TC-17	Tunnel C
SC-TC-18	Tunnel C
SC-FLA-19	Fuel Line A
SC-FLA-20	Fuel Line A
SC-SLE-21	Storm Line E
SC-SLE-22	Storm Line E
SC-C-23	Excavation D
SC-SLH-24	Storm Line H
SC-SLH-25	Storm Line H
SC-SLH-26	Storm Line H
SC-SLJ-27	Storm Line J
SC-SLJ-28	Storm Line J
SC-D-29	Excavation D
SC-EXCA-29	Excavation A
SC-SLL-30	Storm Line L
SC-SLE-31	Storm Line E
SC-EXED-33	Excavation D
SC-EXCD-34	Excavation D
SC-EXCD-35	Excavation D
SC-EXCD-36	Excavation D
SC-EXCB-37	Excavation B
SP-EMW-38	Electrical Manway
SC-EXCB-39	Excavation B
SC-EXCB-40	Excavation B
SC-EXCD-41	Excavation D
SC-EXCD-42	Excavation D
SC-EXCD-43	Excavation D
SC-EXCD-44	Excavation D
SC-EXCD-45	Excavation D

East Rome Business Park - Phase II			
Summary of Soil and Water Analytical Results - Excavation B			
Sample Number	**SC-EXCB-37**	**SC-EXCB-39**	**SC-EXCB-40**
Sample Location	**Exc B**	**Exc B**	**Exc B**
Matrix	**Soil**	**Soil**	**Soil**
	(ug/kg)	(ug/kg)	(ug/kg)
PCB 8082	--	X	X
ASP PCB 95-3	X	--	--
STARS VOC 8021	--	X	X
TCLP VOC	X	--	--
STARS SVOC 8270	--	X	X
TCLP STARS SVOC	X	--	--
STARS VOC TOTAL:			
Benzene	--	ND	ND
Ethyl Benzene	--	ND	ND
MTBE	--	ND	3
Toluene	--	ND	ND
Total xylenes	--	ND	ND
Isopropylbenzene	--	ND	ND
n-Propylbenzene	--	ND	ND
p-Isopropyltoluene	--	ND	ND
1,2,4-Trimethylbenzene	--	ND	2
1,3,5-Trimethylbenzene	--	ND	ND
n-Butylbenzene	--	ND	5
sec-Butylbenzene	--	ND	ND
Naphthalene	--	ND	9
STARS VOC TCLP:			
Benzene	ND	--	--
Ethyl Benzene	ND	--	--
MTBE	ND	--	--
Toluene	ND	--	--
Total xylenes	ND	--	--
Isopropylbenzene	ND	--	--
n-Propylbenzene	ND	--	--
p-Isopropyltoluene	ND	--	--
1,2,4-Trimethylbenzene	ND	--	--
1,3,5-Trimethylbenzene	ND	--	--
n-Butylbenzene	ND	--	--
sec-Butylbenzene	ND	--	--
Naphthalene	ND	--	--
STARS SVOC TOTAL:			
Napthalene	--	ND	ND
Acenaphthene	--	ND	ND
Fluorene	--	ND	ND
Phenanthrene	--	ND	ND
Anthracene	--	ND	ND
Fluoranthene	--	ND	ND
Pyrene	--	ND	ND
Benzo(a)anthracene	--	ND	ND
Chrysene	--	ND	ND
Benzo(b)fluoranthene	--	ND	ND
Benzo(k)fluoranthene	--	ND	ND
Benzo(a)pyrene	--	ND	ND
Indeno(1,2,3-cd)pyrene	--	ND	ND
Dibenzo(a,h)anthracene	--	ND	ND
Benzo(g,h,i)perylene	--	ND	ND

East Rome Business Park - Phase II			
Summary of Soil and Water Analytical Results - Excavation B			
Sample Number	**SC-EXCB-37**	**SC-EXCB-39**	**SC-EXCB-40**
Sample Location	**Exc B**	**Exc B**	**Exc B**
Matrix	**Soil**	**Soil**	**Soil**
	(ug/kg)	(ug/kg)	(ug/kg)
STARS SVOC TCLP:			
Napthalene	ND	--	--
2-Methylnaphthalene	--	--	--
Acenaphthylene	--	--	--
Acenaphthene	ND	--	--
Dibenzofuran	--	--	--
Fluorene	ND	--	--
Phenanthrene	ND	--	--
Anthracene	ND	--	--
Fluoranthene	ND	--	--
Pyrene	ND	--	--
Benzo(a)anthracene	ND	--	--
Chrysene	ND	--	--
Benzo(b)fluoranthene	ND	--	--
Benzo(k)fluoranthene	ND	--	--
Benzo(a)pyrene	ND	--	--
Indeno(1,2,3-cd)pyrene	ND	--	--
Dibenzo(a,h)anthracene	ND	--	--
Benzo(g,h,i)perylene	ND	--	--
PCB:			
AROCLOR-1016	ND	ND	ND
AROCLOR-1221	ND	ND	ND
AROCLOR-1232	ND	ND	ND
AROCLOR-1242	ND	ND	ND
AROCLOR-1248	ND	ND	ND
AROCLOR-1254	ND	ND	ND
AROCLOR-1260	ND	ND	180

East Rome Business Park - Phase II		
Soil and Water Analytical Results - Excavation C		
Sample Number	SC-C6	
Sample Location	Exc C	
Matrix	Soil	
	(ug/kg)	
ASP VOC	X	
ASP SVOC	X	
ASP PCB 95-3	X	
VOC:		
Chloromethane	ND	
Bromomethane	ND	
Vinyl chloride	ND	
Chloroethane	ND	
Methylene chloride	8	J
Acetone	8	BJ
Carbon disulfide	ND	
1,1-Dichloroethylene	ND	
1,1-Dichloroethane	ND	
1,2-Dichloroethylene (total)	ND	
Chloroform	4	J
1,2-Dichloroethane	ND	
2-Butanone	ND	
1,1,1-Trichloroethane	4	J
Carbon tetrachloride	1	J
Bromodichloromethane	ND	
1,2-Dichloropropane	ND	
cis-1,3-Dichloropropene	ND	
Trichloroethene	ND	
Dibromochloromethane	ND	
1,1,2-Trichloroethane	ND	
Benzene	ND	
trans-1,3-Dichloropropene	ND	
Bromoform	ND	
4-Methyl-2-pentanone	ND	
2-Hexanone	ND	
Tetrachloroethene	18	
1,1,2,2-Tetrachloroethane	ND	
Toluene	10	J
Chlorobenzene	ND	
Ethyl Benzene	4	J
Styrene	ND	
Total xylenes	26	
SVOC:		
Phenol	ND	
bis(2-Chloroethyl) ether	ND	
2-Chlorophenol	ND	
1,3-Dichlorobenzene	ND	
1,4-Dichlorobenzene	ND	
1,2-Dichlorobenzene	ND	
2-Methylphenol	ND	
2,2'-oxybis(1-Chloropropane)	ND	
(3+4)-Methylphenol	ND	
N-Nitroso-di-n-propylamine	ND	
Hexachloroethane	ND	
Nitrobenzene	ND	

East Rome Business Park - Phase II Soil and Water Analytical Results - Excavation C		
Sample Number	SC-C6	
Sample Location	Exc C	
Isophorone	ND	
2-Nitrophenol	ND	
2,4-Dimethylphenol	ND	
2,4-Dichlorophenol	ND	
1,2,4-Trichlorobenzene	ND	
Naphthalene	100	J
4-Chloroaniline	ND	
bis(2-Chloroethoxy)methane	ND	
Hexachlorobutadiene	ND	
4-Chloro-3-methylphenol	ND	
2-Methylnaphthalene	120	J
Hexachlorocyclopentadiene	ND	
2,4,6-Trichlorophenol	ND	
2,4,5-Trichlorophenol	ND	
2-Chloronaphthalene	ND	
2-Nitroaniline	ND	
Dimethyl phthalate	ND	
Acenaphthylene	47	J
2,6-Dinitrotoluene	ND	
3-Nitroaniline	ND	
Acenaphthene	160	J
2,4-Dinitrophenol	ND	
4-Nitrophenol	ND	
Dibenzofuran	100	J
2,4-Dinitrotoluene	ND	
Diethylphthalate	ND	
4-Chlorophenyl phenyl ether	ND	
Fluorene	120	J
4-Nitroaniline	ND	
4,6-Dinitro-2-methylphenol	ND	
N-nitrosodiphenylamine	ND	
4-Bromophenyl phenyl ether	ND	
Hexachlorobenzene	ND	
Pentachlorophenol	ND	
Phenanthrene	1400	
Anthracene	320	J
Carbazole	160	J
Di-n-butyl-phthalate	ND	
Fluoranthene	1500	
Pyrene	2400	
Butyl benzyl phthalate	ND	
3,3'-Dichlorobenzidine	ND	
Benzo(a)anthracene	1000	
Chrysene	1200	
bis-(2-Ethylhexyl)phthalate	650	
Di-n-octyl phthalate	ND	
Benzo(b)fluoranthene	1500	
Benzo(k)fluoranthene	740	
Benzo(a)pyrene	1100	
Indeno(1,2,3-cd)pyrene	410	J
Dibenzo(a,h)anthracene	140	J
Benzo(g,h,i)perylene	420	J
PCB:		
AROCLOR-1016	ND	

East Rome Business Park - Phase II	
Soil and Water Analytical Results - Excavation C	
Sample Number	**SC-C6**
Sample Location	**Exc C**
AROCLOR-1221	ND
AROCLOR-1232	ND
AROCLOR-1242	ND
AROCLOR-1248	ND
AROCLOR-1254	ND
AROCLOR-1260	54

East Rome Business Park - Phase II																					
Summary of Soil and Water Analytical Results - Excavation D																					
Sample Number	**WP-D1**		**SP-D7**		**SC-D10**		**SC-D11**		**SC-D12**		**SC-C-23**		**SC-D-29**		**SC-EXED-33**		**SC-EXCD-34**				
Sample Location	**Exc D**		**Exc D**		**Exc D**		**Exc D**		**Exc D**		**Exc D**		**Exc D**		**Exc D**		**Exc D**				
Matrix	**Water**		**Soil**		**Soil**		**Soil**		**Soil**		**Soil**		**Soil**		**Soil**		**Soil**				
	(ug/L)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)				
ASP VOC	--		--		--		--		--		--		--		X		X				
VOC	X		--		--		--		--		--		--		--		--				
SVOC	X		--		--		--		--		--		--		--		--				
PCB 8082	X		X		X		X		X		--		X		--		--				
ASP PCB 95-3	--		--		--		--		--		--		--		X		X				
TCLP VOC	--		--		--		--		--		--		X		--		--				
TCLP STARS SVOC	--		--		X		X		X		--		--		X		X				
TCLP SVOC	--		--		--		--		--		X		X		--		--				
STARS VOC TCLP:																					
Benzene	--		--		--		--		--		--		--		ND		ND				
Ethyl Benzene	--		--		--		--		--		--		--		ND		ND				
MTBE	--		--		--		--		--		--		--		ND		ND				
Toluene	--		--		--		--		--		--		--		ND		ND				
Total xylenes	--		--		--		--		--		--		--		ND		ND				
Isopropylbenzene	--		--		--		--		--		--		--		ND		ND				
n-Propylbenzene	--		--		--		--		--		--		--		ND		ND				
p-Isopropyltoluene	--		--		--		--		--		--		--		ND		ND				
1,2,4-Trimethylbenzene	--		--		--		--		--		--		--		2		ND				
1,3,5-Trimethylbenzene	--		--		--		--		--		--		--		ND		ND				
n-Butylbenzene	--		--		--		--		--		--		--		ND		ND				
sec-Butylbenzene	--		--		--		--		--		--		--		ND		ND				
Naphthalene	--		--		--		--		--		--		--		4		ND				
TCLP VOC:	--		--		--		--		--		--										
Vinyl Chloride	--		--		--		--		--		--		ND		--		--				
1,1-Dichloroethene	--		--		--		--		--		--		ND		--		--				
2-Butanone	--		--		--		--		--		--		ND		--		--				
Chloroform	--		--		--		--		--		--		ND		--		--				
Carbon Tetrachloride	--		--		--		--		--		--		ND		--		--				
1.2-Dichloroethane	--		--		--		--		--		--		ND		--		--				
Benzene	--		--		--		--		--		--		ND		--		--				
Trichloroethene	--		--		--		--		--		--		ND		--		--				
Tetrachloroethene	--		--		--		--		--		--		ND		--		--				
Clorobenzene	--		--		--		--		--		--		ND		--		--				
SVOC:																					
Phenol	ND		--		--		--		--		--		--		--		--				

East Rome Business Park - Phase II

Summary of Soil and Water Analytical Results - Excavation D

Sample Number	WP-D1	SP-D7	SC-D10	SC-D11	SC-D12	SC-C-23	SC-D-29	SC-EXED-33	SC-EXCD-34
Sample Location	Exc D	Exc D	Exc D	Exc D	Exc D	Exc D	Exc D	Exc D	Exc D
Matrix	Water	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	(ug/L)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)
bis(2-Chloroethyl) ether	ND	--	--	--	--	--	--	--	--
2-Chlorophenol	ND	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	8 J	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	18	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	12	--	--	--	--	--	--	--	--
2-Methylphenol	ND	--	--	--	--	--	--	--	--
2,2'-oxybis(1-Chloropropane)	ND	--	--	--	--	--	--	--	--
(3+4)-Methylphenol	ND	--	--	--	--	--	--	--	--
N-Nitroso-di-n-propylamine	12	--	--	--	--	--	--	--	--
Hexachloroethane	ND	--	--	--	--	--	--	--	--
Nitrobenzene	ND	--	--	--	--	--	--	--	--
Isophorone	ND	--	--	--	--	--	--	--	--
2-Nitrophenol	ND	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	ND	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	ND	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	130	--	--	--	--	--	--	--	--
Naphthalene	ND	--	--	--	--	--	--	--	--
4-Chloroaniline	ND	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	ND	--	--	--	--	--	--	--	--
Hexachlorobutadiene	ND	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	ND	--	--	--	--	--	--	--	--
2-Methylnaphthalene	ND	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	ND	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	ND	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	ND	--	--	--	--	--	--	--	--
2-Chloronaphthalene	ND	--	--	--	--	--	--	--	--
2-Nitroaniline	ND	--	--	--	--	--	--	--	--
Dimethyl phthalate	ND	--	--	--	--	--	--	--	--
Acenaphthylene	ND	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	ND	--	--	--	--	--	--	--	--
3-Nitroaniline	ND	--	--	--	--	--	--	--	--
Acenaphthene	ND	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	ND	--	--	--	--	--	--	--	--
4-Nitrophenol	ND	--	--	--	--	--	--	--	--
Dibenzofuran	ND	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	ND	--	--	--	--	--	--	--	--
Diethylphthalate	ND	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	ND	--	--	--	--	--	--	--	--

	East Rome Business Park - Phase II																							
	Summary of Soil and Water Analytical Results - Excavation D																							
Sample Number	**WP-D1**		**SP-D7**		**SC-D10**		**SC-D11**		**SC-D12**		**SC-C-23**		**SC-D-29**		**SC-EXED-33**		**SC-EXCD-34**							
Sample Location	**Exc D**		**Exc D**		**Exc D**		**Exc D**		**Exc D**		**Exc D**		**Exc D**		**Exc D**		**Exc D**							
Matrix	**Water**		**Soil**		**Soil**		**Soil**		**Soil**		**Soil**		**Soil**		**Soil**		**Soil**							
	(ug/L)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)							
Fluorene	ND		--		--		--		--		--		--		--		--							
4-Nitroaniline	ND		--		--		--		--		--		--		--		--							
4,6-Dinitro-2-methylphenol	ND		--		--		--		--		--		--		--		--							
N-nitrosodiphenylamine	ND		--		--		--		--		--		--		--		--							
4-Bromophenyl phenyl ether	ND		--		--		--		--		--		--		--		--							
Hexachlorobenzene	ND		--		--		--		--		--		--		--		--							
Pentachlorophenol	ND		--		--		--		--		--		--		--		--							
Phenanthrene	ND		--		--		--		--		--		--		--		--							
Anthracene	ND		--		--		--		--		--		--		--		--							
Carbazole	ND		--		--		--		--		--		--		--		--							
Di-n-butyl-phthalate	ND		--		--		--		--		--		--		--		--							
Fluoranthene	ND		--		--		--		--		--		--		--		--							
Pyrene	ND		--		--		--		--		--		--		--		--							
Butyl benzyl phthalate	ND		--		--		--		--		--		--		--		--							
3,3'-Dichlorobenzidine	10	J	--		--		--		--		--		--		--		--							
Benzo(a)anthracene	ND		--		--		--		--		--		--		--		--							
Chrysene	ND		--		--		--		--		--		--		--		--							
bis-(2-Ethylhexyl)phthalate	ND		--		--		--		--		--		--		--		--							
Di-n-octyl phthalate	ND		--		--		--		--		--		--		--		--							
Benzo(b)fluoranthene	ND		--		--		--		--		--		--		--		--							
Benzo(k)fluoranthene	ND		--		--		--		--		--		--		--		--							
Benzo(a)pyrene	ND		--		--		--		--		--		--		--		--							
Indeno(1,2,3-cd)pyrene	ND		--		--		--		--		--		--		--		--							
Dibenzo(a,h)anthracene	ND		--		--		--		--		--		--		--		--							
Benzo(g,h,i)perylene	ND		--		--		--		--		--		--		--		--							
STARS SVOC TCLP:																								
Napthalene	--		--		ND		ND		ND		--		--		ND		ND							
2-Methylnaphthalene	--		--		ND		ND		ND		--		--		--		--							
Acenaphthylene	--		--		ND		ND		ND		--		--		--		--							
Acenaphthene	--		--		ND		ND		ND		--		--		ND		ND							
Dibenzofuran	--		--		ND		ND		ND		--		--		--		--							
Fluorene	--		--		ND		ND		ND		--		--		ND		ND							
Phenanthrene	--		--		ND		ND		ND		--		--		ND		ND							
Anthracene	--		--		ND		ND		ND		--		--		ND		ND							
Fluoranthene	--		--		ND		ND		ND		--		--		ND		ND							
Pyrene	--		--		ND		ND		ND		--		--		ND		ND							
Benzo(a)anthracene	--		--		ND		ND		ND		--		--		ND		ND							

East Rome Business Park - Phase II																					
Summary of Soil and Water Analytical Results - Excavation D																					
Sample Number	**WP-D1**		**SP-D7**		**SC-D10**		**SC-D11**		**SC-D12**		**SC-C-23**		**SC-D-29**		**SC-EXED-33**		**SC-EXCD-34**				
Sample Location	**Exc D**		**Exc D**		**Exc D**		**Exc D**		**Exc D**		**Exc D**		**Exc D**		**Exc D**		**Exc D**				
Matrix	**Water**		**Soil**		**Soil**		**Soil**		**Soil**		**Soil**		**Soil**		**Soil**		**Soil**				
	(ug/L)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)				
Chrysene	--		--		ND		ND		ND		--		--		ND		ND				
Benzo(b)fluoranthene	--		--		ND		ND		ND		--		--		ND		ND				
Benzo(k)fluoranthene	--		--		ND		ND		ND		--		--		ND		ND				
Benzo(a)pyrene	--		--		ND		ND		ND		--		--		ND		ND				
Indeno(1,2,3-cd)pyrene	--		--		ND		ND		ND		--		--		ND		ND				
Dibenzo(a,h)anthracene	--		--		ND		ND		ND		--		--		ND		ND				
Benzo(g,h,i)perylene	--		--		ND		ND		ND		--		--		ND		ND				
TCLP SVOC:																					
2-Methylphenol	--		--		--		--		--		ND		ND		--		--				
4-Methylphenol	--		--		--		--		--		ND		ND		--		--				
Hexachloroethane	--		--		--		--		--		ND		ND		--		--				
Nitrobenzene	--		--		--		--		--		ND		ND		--		--				
Hexachlorobutadiene	--		--		--		--		--		ND		ND		--		--				
2,4,6-Trichlorophenol	--		--		--		--		--		ND		ND		--		--				
2,4,5-Trichlorophenol	--		--		--		--		--		ND		ND		--		--				
2,4-Dinitrotoluene	--		--		--		--		--		ND		ND		--		--				
Hexachlorobenzene	--		--		--		--		--		ND		ND		--		--				
Pentachlorophenol	--		--		--		--		--		ND		ND		--		--				
Pyridine	--		--		--		--		--		ND		ND		--		--				
PCB:																					
AROCLOR-1016	ND		ND		ND		ND		ND		--		ND		ND		ND				
AROCLOR-1221	ND		ND		ND		ND		ND		--		ND		ND		ND				
AROCLOR-1232	ND		ND		ND		ND		ND		--		ND		ND		ND				
AROCLOR-1242	ND		ND		ND		ND		ND		--		ND		ND		ND				
AROCLOR-1248	ND		ND		ND		ND		ND		--		ND		ND		ND				
AROCLOR-1254	ND		190	P	ND		ND		ND		--		ND		ND		ND				
AROCLOR-1260	160	D	ND		ND		ND		ND		--		ND		30000	E	390				

	East Rome Business Park - Phase II						
	Summary of Soil and Water Analytical Results - Excavation D						
Sample Number	**SC-EXCD-35**	**SC-EXCD-36**	**SC-EXCD-41**	**SC-EXCD-42**	**SC-EXCD-43**	**SC-EXCD-44**	**SC-EXCD-45**
Sample Location	**Exc D**	**Exc D**	**Exc D**	**Exc D**	**Exc D**	**Exc D**	**Exc D**
Matrix	**Soil** (ug/kg)	**Soil** (ug/kg)	**Soil** (ug/kg)	**Soil** (ug/kg)	**Soil** (ug/kg)	**Soil** (ug/kg)	**Soil** (ug/kg)
ASP VOC	--	--	--	--	--	--	--
VOC	--	--	--	--	--	--	--
SVOC	--	--	--	--	--	--	--
PCB 8082	--	--	X	X	X	X	X
ASP PCB 95-3	X	X	--	--	--	--	--
TCLP VOC	X	X	--	--	--	--	--
TCLP STARS SVOC	X	X	--	--	--	--	--
TCLP SVOC	--	--	--	--	--	--	--
STARS VOC TCLP:							
Benzene	ND	ND	--	--	--	--	--
Ethyl Benzene	ND	ND	--	--	--	--	--
MTBE	ND	ND	--	--	--	--	--
Toluene	ND	ND	--	--	--	--	--
Total xylenes	ND	ND	--	--	--	--	--
Isopropylbenzene	ND	ND	--	--	--	--	--
n-Propylbenzene	ND	ND	--	--	--	--	--
p-Isopropyltoluene	ND	ND	--	--	--	--	--
1,2,4-Trimethylbenzene	ND	ND	--	--	--	--	--
1,3,5-Trimethylbenzene	ND	ND	--	--	--	--	--
n-Butylbenzene	ND	ND	--	--	--	--	--
sec-Butylbenzene	ND	ND	--	--	--	--	--
Naphthalene	ND	ND	--	--	--	--	--
TCLP VOC:							
Vinyl Chloride	--	--	--	--	--	--	--
1,1-Dichloroethene	--	--	--	--	--	--	--
2-Butanone	--	--	--	--	--	--	--
Chloroform	--	--	--	--	--	--	--
Carbon Tetrachloride	--	--	--	--	--	--	--
1.2-Dichloroethane	--	--	--	--	--	--	--
Benzene	--	--	--	--	--	--	--
Trichloroethene	--	--	--	--	--	--	--
Tetrachloroethene	--	--	--	--	--	--	--
Clorobenzene	--	--	--	--	--	--	--
SVOC:							
Phenol	--	--	--	--	--	--	--

	East Rome Business Park - Phase II							
	Summary of Soil and Water Analytical Results - Excavation D							
Sample Number	SC-EXCD-35	SC-EXCD-36	SC-EXCD-41	SC-EXCD-42	SC-EXCD-43	SC-EXCD-44	SC-EXCD-45	
Sample Location	Exc D	Exc D	Exc D	Exc D	Exc D	Exc D	Exc D	
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	
	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	
bis(2-Chloroethyl) ether	--	--	--	--	--	--	--	
2-Chlorophenol	--	--	--	--	--	--	--	
1,3-Dichlorobenzene	--	--	--	--	--	--	--	
1,4-Dichlorobenzene	--	--	--	--	--	--	--	
1,2-Dichlorobenzene	--	--	--	--	--	--	--	
2-Methylphenol	--	--	--	--	--	--	--	
2,2'-oxybis(1-Chloropropane)	--	--	--	--	--	--	--	
(3+4)-Methylphenol	--	--	--	--	--	--	--	
N-Nitroso-di-n-propylamine	--	--	--	--	--	--	--	
Hexachloroethane	--	--	--	--	--	--	--	
Nitrobenzene	--	--	--	--	--	--	--	
Isophorone	--	--	--	--	--	--	--	
2-Nitrophenol	--	--	--	--	--	--	--	
2,4-Dimethylphenol	--	--	--	--	--	--	--	
2,4-Dichlorophenol	--	--	--	--	--	--	--	
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	
Naphthalene	--	--	--	--	--	--	--	
4-Chloroaniline	--	--	--	--	--	--	--	
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	
Hexachlorobutadiene	--	--	--	--	--	--	--	
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	
2-Methylnaphthalene	--	--	--	--	--	--	--	
Hexachlorocyclopentadiene	--	--	--	--	--	--	--	
2,4,6-Trichlorophenol	--	--	--	--	--	--	--	
2,4,5-Trichlorophenol	--	--	--	--	--	--	--	
2-Chloronaphthalene	--	--	--	--	--	--	--	
2-Nitroaniline	--	--	--	--	--	--	--	
Dimethyl phthalate	--	--	--	--	--	--	--	
Acenaphthylene	--	--	--	--	--	--	--	
2,6-Dinitrotoluene	--	--	--	--	--	--	--	
3-Nitroaniline	--	--	--	--	--	--	--	
Acenaphthene	--	--	--	--	--	--	--	
2,4-Dinitrophenol	--	--	--	--	--	--	--	
4-Nitrophenol	--	--	--	--	--	--	--	
Dibenzofuran	--	--	--	--	--	--	--	
2,4-Dinitrotoluene	--	--	--	--	--	--	--	
Diethylphthalate	--	--	--	--	--	--	--	
4-Chlorophenyl phenyl ether	--	--	--	--	--	--	--	

	East Rome Business Park - Phase II						
	Summary of Soil and Water Analytical Results - Excavation D						
Sample Number	**SC-EXCD-35**	**SC-EXCD-36**	**SC-EXCD-41**	**SC-EXCD-42**	**SC-EXCD-43**	**SC-EXCD-44**	**SC-EXCD-45**
Sample Location	**Exc D**	**Exc D**	**Exc D**	**Exc D**	**Exc D**	**Exc D**	**Exc D**
Matrix	**Soil**	**Soil**	**Soil**	**Soil**	**Soil**	**Soil**	**Soil**
	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)
Fluorene	--	--	--	--	--	--	--
4-Nitroaniline	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	--	--	--	--	--	--	--
N-nitrosodiphenylamine	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	--	--	--	--	--	--	--
Hexachlorobenzene	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--
Phenanthrene	--	--	--	--	--	--	--
Anthracene	--	--	--	--	--	--	--
Carbazole	--	--	--	--	--	--	--
Di-n-butyl-phthalate	--	--	--	--	--	--	--
Fluoranthene	--	--	--	--	--	--	--
Pyrene	--	--	--	--	--	--	--
Butyl benzyl phthalate	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine	--	--	--	--	--	--	--
Benzo(a)anthracene	--	--	--	--	--	--	--
Chrysene	--	--	--	--	--	--	--
bis-(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--
Di-n-octyl phthalate	--	--	--	--	--	--	--
Benzo(b)fluoranthene	--	--	--	--	--	--	--
Benzo(k)fluoranthene	--	--	--	--	--	--	--
Benzo(a)pyrene	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--	--
STARS SVOC TCLP:							
Napthalene	ND	ND	--	--	--	--	--
2-Methylnaphthalene	--	--	--	--	--	--	--
Acenaphthylene	--	--	--	--	--	--	--
Acenaphthene	ND	ND	--	--	--	--	--
Dibenzofuran	--	--	--	--	--	--	--
Fluorene	ND	ND	--	--	--	--	--
Phenanthrene	ND	ND	--	--	--	--	--
Anthracene	ND	ND	--	--	--	--	--
Fluoranthene	ND	ND	--	--	--	--	--
Pyrene	ND	ND	--	--	--	--	--
Benzo(a)anthracene	ND	ND	--	--	--	--	--

	East Rome Business Park - Phase II						
	Summary of Soil and Water Analytical Results - Excavation D						
Sample Number	**SC-EXCD-35**	**SC-EXCD-36**	**SC-EXCD-41**	**SC-EXCD-42**	**SC-EXCD-43**	**SC-EXCD-44**	**SC-EXCD-45**
Sample Location	**Exc D**	**Exc D**	**Exc D**	**Exc D**	**Exc D**	**Exc D**	**Exc D**
Matrix	**Soil**	**Soil**	**Soil**	**Soil**	**Soil**	**Soil**	**Soil**
	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)
Chrysene	ND	ND	--	--	--	--	--
Benzo(b)fluoranthene	ND	ND	--	--	--	--	--
Benzo(k)fluoranthene	ND	ND	--	--	--	--	--
Benzo(a)pyrene	ND	ND	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	ND	ND	--	--	--	--	--
Dibenzo(a,h)anthracene	ND	ND	--	--	--	--	--
Benzo(g,h,i)perylene	ND	ND	--	--	--	--	--
TCLP SVOC:							
2-Methylphenol	--	--	--	--	--	--	--
4-Methylphenol	--	--	--	--	--	--	--
Hexachloroethane	--	--	--	--	--	--	--
Nitrobenzene	--	--	--	--	--	--	--
Hexachlorobutadiene	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	--	--	--	--	--	--	--
2,4-Dinitrotoluene	--	--	--	--	--	--	--
Hexachlorobenzene	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--
Pyridine	--	--	--	--	--	--	--
PCB:							
AROCLOR-1016	ND	ND	ND	ND	ND	ND	ND
AROCLOR-1221	ND	ND	ND	ND	ND	ND	ND
AROCLOR-1232	ND	ND	ND	ND	ND	ND	ND
AROCLOR-1242	ND	ND	ND	ND	ND	ND	ND
AROCLOR-1248	ND	ND	ND	ND	ND	ND	ND
AROCLOR-1254	ND	ND	ND	ND	ND	ND	ND
AROCLOR-1260	ND	96	170	ND	ND	ND	ND

East Rome Business Park - Phase II

Summary of Soil and Water Testing Analytical Results - Excavation E

Sample Number	SC-E1	SC-E2	SC-E3	SC-E4	SC-E5	SC-E8	SC-E9
Sample Location	Excav E	Excav E	Excav E	Excav E	Excav E	Excav E	Excav E
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)
STARS VOC 8021	X	X	X	X	X	--	--
STARS SVOC 8270	X	X	X	X	X	--	--
TCLP STARS SVOC	--	--	--	--	--	X	X
STARS VOC TOTAL:							
Benzene	ND	ND	ND	ND	ND	--	--
Ethyl Benzene	ND	ND	ND	ND	ND	--	--
MTBE	ND	ND	ND	ND	ND	--	--
Toluene	ND	ND	ND	10	2	--	--
Total xylenes	ND	ND	1	ND	ND	--	--
Isopropylbenzene	ND	ND	ND	ND	ND	--	--
n-Propylbenzene	ND	ND	ND	ND	ND	--	--
p-Isopropyltoluene	ND	ND	ND	ND	ND	--	--
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	--	--
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	--	--
n-Butylbenzene	ND	ND	ND	ND	ND	--	--
sec-Butylbenzene	ND	ND	ND	ND	ND	--	--
Naphthalene	ND	ND	ND	ND	ND	--	--
STARS SVOC TOTAL:							
Napthalene	ND	ND	ND	ND	ND	--	--
Acenaphthene	ND	ND	ND	ND	ND	--	--
Fluorene	ND	ND	ND	ND	ND	--	--
Phenanthrene	ND	ND	79	98	ND	--	--
Anthracene	ND	ND	ND	ND	ND	--	--
Fluoranthene	ND	ND	ND	ND	ND	--	--
Pyrene	ND	ND	ND	ND	ND	--	--
Benzo(a)anthracene	ND	ND	ND	65	ND	--	--
Chrysene	ND	ND	68	81	ND	--	--
Benzo(b)fluoranthene	ND	ND	ND	81	ND	--	--
Benzo(k)fluoranthene	ND	ND	ND	47	ND	--	--
Benzo(a)pyrene	ND	ND	ND	75	ND	--	--
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	--	--
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	--	--
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	--	--
STARS SVOC TCLP:							
Napthalene	--	--	--	--	--	ND	ND
2-Methylnaphthalene	--	--	--	--	--	ND	ND
Acenaphthylene	--	--	--	--	--	ND	ND
Acenaphthene	--	--	--	--	--	ND	ND
Dibenzofuran	--	--	--	--	--	ND	ND
Fluorene	--	--	--	--	--		1 ND
Phenanthrene	--	--	--	--	--		1 ND
Anthracene	--	--	--	--	--	ND	ND
Fluoranthene	--	--	--	--	--	ND	ND
Pyrene	--	--	--	--	--	ND	ND
Benzo(a)anthracene	--	--	--	--	--	ND	ND
Chrysene	--	--	--	--	--	ND	ND
Benzo(b)fluoranthene	--	--	--	--	--	ND	ND
Benzo(k)fluoranthene	--	--	--	--	--	ND	ND
Benzo(a)pyrene	--	--	--	--	--	ND	ND
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	ND	ND
Dibenzo(a,h)anthracene	--	--	--	--	--	ND	ND
Benzo(g,h,i)perylene	--	--	--	--	--	ND	ND
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East Rome Business Park - Phase II								
Summary of Soil and Water Analytical Results - Storm Line E								
Sample Number	SC-SLE-21			SC-SLE-22			SC-SLE-31	
Sample Location	SL E			SL E			SL E	
Matrix	Soil			Soil			Soil	
	(ug/kg)			(ug/kg)			(ug/kg)	
ASP VOC	X			X			X	
ASP SVOC	X			X			X	
ASP PCB 95-3	X			X			X	
VOC:								
Chloromethane	ND			ND			ND	
Bromomethane	ND			ND			ND	
Vinyl chloride	ND			ND			4	J
Chloroethane	ND			ND			2	J
Methylene chloride	15	B		5	JB		35	DJB
Acetone	25	B		12	JB		24	DJB
Carbon disulfide	ND			ND			ND	
1,1-Dichloroethylene	9	J		ND			490	E
1,1-Dichloroethane	18			ND			96	
1,2-Dichloroethylene (total)	ND			ND			ND	
Chloroform	ND			ND			ND	
1,2-Dichloroethane	ND			ND			2	J
2-Butanone	ND			ND			ND	
1,1,1-Trichloroethane	160			ND			720	E
Carbon tetrachloride	ND			ND			ND	
Bromodichloromethane	ND			ND			ND	
1,2-Dichloropropane	ND			ND			ND	
cis-1,3-Dichloropropene	ND			ND			ND	
Trichloroethene	2	J		ND			3	J
Dibromochloromethane	ND			ND			ND	
1,1,2-Trichloroethane	ND			ND			2	J
Benzene	ND			ND			ND	
trans-1,3-Dichloropropene	ND			ND			ND	
Bromoform	ND			ND			ND	
4-Methyl-2-pentanone	ND			ND			ND	
2-Hexanone	ND			ND			ND	
Tetrachloroethene	ND			ND			ND	
1,1,2,2-Tetrachloroethane	ND			ND			ND	
Toluene	13	JB		20	B		2	J
Chlorobenzene	ND			ND			ND	
Ethyl Benzene	3	JB		2	JB		3	J
Styrene	ND			ND			ND	
Total xylenes	30	B		7	JB		31	
SVOC:								
Phenol	68	J		ND			ND	
bis(2-Chloroethyl) ether	ND			ND			ND	
2-Chlorophenol	ND			ND			ND	
1,3-Dichlorobenzene	ND			ND			ND	
1,4-Dichlorobenzene	ND			ND			ND	
1,2-Dichlorobenzene	ND			ND			ND	
2-Methylphenol	ND			ND			ND	
2,2'-oxybis(1-Chloropropane)	ND			ND			ND	
(3+4)-Methylphenol	ND			ND			ND	
N-Nitroso-di-n-propylamine	ND			ND			ND	
Hexachloroethane	ND			ND			ND	
Nitrobenzene	ND			ND			ND	

East Rome Business Park - Phase II						
Summary of Soil and Water Analytical Results - Storm Line E						
Sample Number	SC-SLE-21		SC-SLE-22		SC-SLE-31	
Sample Location	SL E		SL E		SL E	
Matrix	Soil		Soil		Soil	
	(ug/kg)		(ug/kg)		(ug/kg)	
Isophorone	ND		ND		ND	
2-Nitrophenol	ND		ND		ND	
2,4-Dimethylphenol	ND		ND		ND	
2,4-Dichlorophenol	ND		ND		ND	
1,2,4-Trichlorobenzene	ND		ND		ND	
Naphthalene	ND		ND		ND	
4-Chloroaniline	ND		ND		ND	
bis(2-Chloroethoxy)methane	ND		ND		ND	
Hexachlorobutadiene	ND		ND		ND	
4-Chloro-3-methylphenol	ND		ND		ND	
2-Methylnaphthalene	ND		ND		ND	
Hexachlorocyclopentadiene	ND		ND		ND	
2,4,6-Trichlorophenol	ND		ND		ND	
2,4,5-Trichlorophenol	ND		ND		ND	
2-Chloronaphthalene	ND		ND		ND	
2-Nitroaniline	ND		ND		ND	
Dimethyl phthalate	ND		ND		ND	
Acenaphthylene	ND		ND		ND	
2,6-Dinitrotoluene	ND		ND		ND	
3-Nitroaniline	ND		ND		ND	
Acenaphthene	ND		ND		ND	
2,4-Dinitrophenol	ND		ND		ND	
4-Nitrophenol	ND		ND		ND	
Dibenzofuran	ND		ND		ND	
2,4-Dinitrotoluene	ND		ND		ND	
Diethylphthalate	ND		ND		ND	
4-Chlorophenyl phenyl ether	ND		ND		ND	
Fluorene	ND		ND		ND	
4-Nitroaniline	ND		ND		ND	
4,6-Dinitro-2-methylphenol	ND		ND		ND	
N-nitrosodiphenylamine	ND		ND		ND	
4-Bromophenyl phenyl ether	ND		ND		ND	
Hexachlorobenzene	ND		ND		ND	
Pentachlorophenol	ND		ND		ND	
Phenanthrene	ND		ND		ND	
Anthracene	ND		ND		ND	
Carbazole	ND		ND		ND	
Di-n-butyl-phthalate	ND		ND		ND	
Fluoranthene	ND		ND		ND	
Pyrene	ND		ND		ND	
Butyl benzyl phthalate	ND		ND		ND	
3,3'-Dichlorobenzidine	ND		ND		ND	
Benzo(a)anthracene	ND		ND		ND	
Chrysene	ND		ND		ND	
bis-(2-Ethylhexyl)phthalate	860		470		400	J
Di-n-octyl phthalate	ND		ND		ND	
Benzo(b)fluoranthene	ND		ND		ND	
Benzo(k)fluoranthene	ND		ND		ND	
Benzo(a)pyrene	ND		ND		ND	
Indeno(1,2,3-cd)pyrene	ND		ND		ND	
Dibenzo(a,h)anthracene	ND		ND		ND	
Benzo(g,h,i)perylene	ND		ND		ND	

East Rome Business Park - Phase II			
Summary of Soil and Water Analytical Results - Storm Line E			
Sample Number	**SC-SLE-21**	**SC-SLE-22**	**SC-SLE-31**
Sample Location	**SL E**	**SL E**	**SL E**
Matrix	**Soil**	**Soil**	**Soil**
	(ug/kg)	(ug/kg)	(ug/kg)
PCB:			
AROCLOR-1016	ND	ND	ND
AROCLOR-1221	ND	ND	ND
AROCLOR-1232	ND	ND	ND
AROCLOR-1242	ND	ND	ND
AROCLOR-1248	ND	ND	ND
AROCLOR-1254	ND	ND	ND
AROCLOR-1260	ND	ND	ND
SL - Storm Line			

East Rome Business Park - Phase II								
Summary of Soil and Water Analytical Results - Storm Line H								
Sample Number	**SC-SLH-24**			**SC-SLH-25**			**SC-SLH-26**	
Sample Location	**SL H**			**SL H**			**SL H**	
Matrix	**Soil**			**Soil**			**Soil**	
	(ug/kg)			(ug/kg)			(ug/kg)	
ASP VOC	X			X			X	
ASP SVOC	X			X			X	
ASP PCB 95-3	X			X			X	
VOC:								
Chloromethane	ND			ND			ND	
Bromomethane	ND			ND			ND	
Vinyl chloride	ND			ND			ND	
Chloroethane	ND			ND			ND	
Methylene chloride	6	JB		2	JB		2	JB
Acetone	37	B		14	B		7	JB
Carbon disulfide	ND			2	JB		ND	
1,1-Dichloroethylene	ND			ND			ND	
1,1-Dichloroethane	ND			2	J		2	J
1,2-Dichloroethylene (total)	ND			ND			ND	
Chloroform	ND			ND			ND	
1,2-Dichloroethane	ND			ND			ND	
2-Butanone	ND			ND			ND	
1,1,1-Trichloroethane	ND			ND			ND	
Carbon tetrachloride	ND			ND			ND	
Bromodichloromethane	ND			ND			ND	
1,2-Dichloropropane	ND			ND			ND	
cis-1,3-Dichloropropene	ND			ND			ND	
Trichloroethene	ND			ND			ND	
Dibromochloromethane	ND			ND			ND	
1,1,2-Trichloroethane	ND			ND			ND	
Benzene	ND			ND			ND	
trans-1,3-Dichloropropene	ND			ND			ND	
Bromoform	ND			ND			ND	
4-Methyl-2-pentanone	ND			ND			ND	
2-Hexanone	ND			ND			ND	
Tetrachloroethene	ND			ND			ND	
1,1,2,2-Tetrachloroethane	ND			ND			ND	
Toluene	4	JB		ND			ND	
Chlorobenzene	ND			ND			ND	
Ethyl Benzene	ND			ND			ND	
Styrene	ND			ND			ND	
Total xylenes	2	JB		ND			ND	
SVOC:								
Phenol	ND			ND			ND	
bis(2-Chloroethyl) ether	ND			ND			ND	
2-Chlorophenol	ND			ND			ND	
1,3-Dichlorobenzene	ND			ND			ND	
1,4-Dichlorobenzene	ND			ND			ND	
1,2-Dichlorobenzene	ND			ND			ND	
2-Methylphenol	ND			ND			ND	
2,2'-oxybis(1-Chloropropane)	ND			ND			ND	

East Rome Business Park - Phase II			
Summary of Soil and Water Analytical Results - Storm Line H			
Sample Number	**SC-SLH-24**	**SC-SLH-25**	**SC-SLH-26**
Sample Location	**SL H**	**SL H**	**SL H**
Matrix	**Soil**	**Soil**	**Soil**
	(ug/kg)	(ug/kg)	(ug/kg)
(3+4)-Methylphenol	ND	ND	ND
N-Nitroso-di-n-propylamine	ND	ND	ND
Hexachloroethane	ND	ND	ND
Nitrobenzene	ND	ND	ND
Isophorone	ND	ND	ND
2-Nitrophenol	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND
Naphthalene	ND	ND	ND
4-Chloroaniline	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND
2-Methylnaphthalene	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND
2-Nitroaniline	ND	ND	ND
Dimethyl phthalate	ND	ND	ND
Acenaphthylene	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND
3-Nitroaniline	ND	ND	ND
Acenaphthene	ND	ND	ND
2,4-Dinitrophenol	ND	ND	ND
4-Nitrophenol	ND	ND	ND
Dibenzofuran	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND
Diethylphthalate	ND	ND	ND
4-Chlorophenyl phenyl ether	ND	ND	ND
Fluorene	ND	ND	ND
4-Nitroaniline	ND	ND	ND
4,6-Dinitro-2-methylphenol	ND	ND	ND
N-nitrosodiphenylamine	ND	ND	ND
4-Bromophenyl phenyl ether	ND	ND	ND
Hexachlorobenzene	ND	ND	ND
Pentachlorophenol	ND	ND	ND
Phenanthrene	ND	ND	ND
Anthracene	ND	ND	ND
Carbazole	ND	ND	ND
Di-n-butyl-phthalate	ND	ND	ND
Fluoranthene	ND	ND	ND
Pyrene	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND
Chrysene	ND	ND	ND

East Rome Business Park - Phase II			
Summary of Soil and Water Analytical Results - Storm Line H			
Sample Number	**SC-SLH-24**	**SC-SLH-25**	**SC-SLH-26**
Sample Location	**SL H**	**SL H**	**SL H**
Matrix	**Soil**	**Soil**	**Soil**
	(ug/kg)	(ug/kg)	(ug/kg)
bis-(2-Ethylhexyl)phthalate	710	1000	1100
Di-n-octyl phthalate	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND
PCB:			
AROCLOR-1016	ND	ND	ND
AROCLOR-1221	ND	ND	ND
AROCLOR-1232	ND	ND	ND
AROCLOR-1242	ND	ND	ND
AROCLOR-1248	ND	ND	ND
AROCLOR-1254	ND	ND	ND
AROCLOR-1260	ND	180	ND
SL - Storm Line			

East Rome Business Park - Phase II																							
Summary of Soil and Water Analytical Results - Miscellaneous Samples																							
Sample Number	**WC-TE-2**		**SP-EMW-38**		**SC-SLA-13**			**SC-SLF-14**			**SC-SLG-15**			**SC-SLG-16**			**SC-SLJ-27**			**SC-SLJ-28**			**SC-SLL-30**		
Sample Location	**Electrical Manway**		**Electrical Manway**		**SL A**			**SL F**			**SL G**			**SL G**			**SL J**			**SL J**			**SL L**		
Matrix	**Water** (ug/L)		**Soil** (ug/kg)		**Soil** (ug/kg)			**Soil** (ug/kg)			**Soil** (ug/kg)			**Soil** (ug/kg)			**Soil** (ug/kg)			**Soil** (ug/kg)			**Soil** (ug/kg)		
ASP VOC	--		--		X			X			X			X			X			X			X		
ASP SVOC	--		--		X			X			X			X			X			X			X		
PCB 8082	X		X		--			--			--			--			--			--			--		
ASP PCB 95-3	--		--		X			X			X			X			X			X			X		
VOC:																									
Chloromethane	--		--		ND			ND			ND			ND			ND			ND			ND		
Bromomethane	--		--		ND			ND			ND			ND			ND			ND			ND		
Vinyl chloride	--		--		ND			ND			ND			ND			ND			ND			ND		
Chloroethane	--		--		ND			ND			ND			ND			ND			ND			ND		
Methylene chloride	--		--		ND			ND			ND			ND			32	B		26	B		5	J	
Acetone	--		--		3	J		3	J		6	J		15			13	BJ		110	B		15		
Carbon disulfide	--		--		ND			ND			ND			ND			ND			ND			ND		
1,1-Dichloroethylene	--		--		ND			ND			ND			ND			ND			ND			ND		
1,1-Dichloroethane	--		--		ND			ND			ND			ND			ND			ND			ND		
1,2-Dichloroethylene (total)	--		--		ND			ND			ND			ND			ND			ND			ND		
Chloroform	--		--		ND			ND			2	J		ND			ND			ND			ND		
1,2-Dichloroethane	--		--		ND			ND			ND			ND			ND			ND			ND		
2-Butanone	--		--		ND			ND			ND			ND			ND			14			ND		
1,1,1-Trichloroethane	--		--		ND			ND			ND			ND			ND			ND			ND		
Carbon tetrachloride	--		--		ND			ND			ND			ND			ND			ND			ND		
Bromodichloromethane	--		--		ND			ND			ND			ND			ND			ND			ND		
1,2-Dichloropropane	--		--		ND			ND			ND			ND			ND			ND			ND		
cis-1,3-Dichloropropene	--		--		ND			ND			ND			ND			ND			ND			ND		
Trichloroethene	--		--		ND			ND			ND			ND			ND			ND			ND		
Dibromochloromethane	--		--		ND			ND			ND			ND			ND			ND			ND		
1,1,2-Trichloroethane	--		--		ND			ND			ND			ND			ND			ND			ND		
Benzene	--		--		ND			ND			ND			ND			ND			ND			8	J	
trans-1,3-Dichloropropene	--		--		ND			ND			ND			ND			ND			ND			ND		
Bromoform	--		--		ND			ND			ND			ND			ND			ND			ND		
4-Methyl-2-pentanone	--		--		ND			ND			ND			ND			ND			ND			ND		
2-Hexanone	--		--		ND			ND			ND			ND			ND			ND			ND		
Tetrachloroethene	--		--		ND			ND			ND			ND			ND			ND			5	J	
1,1,2,2-Tetrachloroethane	--		--		ND			ND			ND			ND			ND			ND			ND		
Toluene	--		--		ND			ND			ND			ND			ND			ND			ND		
Chlorobenzene	--		--		ND			ND			ND			ND			ND			ND			230		
Ethyl Benzene	--		--		ND			ND			ND			ND			ND			ND			ND		
Styrene	--		--		ND			ND			ND			ND			ND			ND			ND		
Total xylenes	--		--		ND			ND			ND			ND			ND			ND			ND		

East Rome Business Park - Phase II

Summary of Soil and Water Analytical Results - Miscellaneous Samples

Sample Number	WC-TE-2	SP-EMW-38	SC-SLA-13	SC-SLF-14	SC-SLG-15	SC-SLG-16	SC-SLJ-27	SC-SLJ-28	SC-SLL-30
Sample Location	Electrical Manway	Electrical Manway	SL A	SL F	SL G	SL G	SL J	SL J	SL L
Matrix	Water (ug/L)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)	Soil (ug/kg)
SVOC:									
Phenol	--	--	ND	ND	ND	130 J	ND	ND	ND
bis(2-Chloroethyl) ether	--	--	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	--	--	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	--	--	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	--	--	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	--	--	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	--	--	ND	ND	ND	ND	ND	ND	ND
2,2'-oxybis(1-Chloropropane)	--	--	ND	ND	ND	ND	ND	ND	ND
(3+4)-Methylphenol	--	--	ND	ND	ND	ND	ND	ND	ND
N-Nitroso-di-n-propylamine	--	--	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	--	--	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	--	--	ND	ND	ND	ND	ND	ND	ND
Isophorone	--	--	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	--	--	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	--	--	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	--	--	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	--	--	ND	ND	ND	ND	ND	ND	40 J
Naphthalene	--	--	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	--	--	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	--	--	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	--	--	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	--	--	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	--	--	20 J	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	--	--	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	--	--	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	--	--	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	--	--	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	--	--	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	--	--	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	--	--	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	--	--	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	--	--	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	--	--	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	--	--	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	--	--	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	--	--	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	--	--	ND	ND	ND	ND	ND	ND	ND

	East Rome Business Park - Phase II																							
	Summary of Soil and Water Analytical Results - Miscellaneous Samples																							
Sample Number	**WC-TE-2**		**SP-EMW-38**		**SC-SLA-13**		**SC-SLF-14**		**SC-SLG-15**		**SC-SLG-16**		**SC-SLJ-27**		**SC-SLJ-28**		**SC-SLL-30**							
Sample Location	**Electrical Manway**		**Electrical Manway**		**SL A**		**SL F**		**SL G**		**SL G**		**SL J**		**SL J**		**SL L**							
Matrix	**Water**		**Soil**		**Soil**		**Soil**		**Soil**		**Soil**		**Soil**		**Soil**		**Soil**							
	(ug/L)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)							
Diethylphthalate	--		--		ND		ND		ND		ND		ND		ND		ND							
4-Chlorophenyl phenyl ether	--		--		ND		ND		ND		ND		ND		ND		ND							
Fluorene	--		--		ND		ND		ND		ND		ND		ND		ND							
4-Nitroaniline	--		--		ND		ND		ND		ND		ND		ND		ND							
4,6-Dinitro-2-methylphenol	--		--		ND		ND		ND		ND		ND		ND		ND							
N-nitrosodiphenylamine	--		--		ND		ND		ND		ND		ND		ND		ND							
4-Bromophenyl phenyl ether	--		--		ND		ND		ND		ND		ND		ND		ND							
Hexachlorobenzene	--		--		ND		ND		ND		ND		ND		ND		ND							
Pentachlorophenol	--		--		ND		ND		ND		ND		ND		ND		ND							
Phenanthrene	--		--		95	J	ND		ND		ND		ND		ND		ND							
Anthracene	--		--		23	J	ND		ND		ND		ND		ND		ND							
Carbazole	--		--		ND		ND		ND		ND		ND		ND		ND							
Di-n-butyl-phthalate	--		--		ND		ND		ND		ND		ND		ND		ND							
Fluoranthene	--		--		120	J	38	J	ND		ND		130	J	ND		ND							
Pyrene	--		--		110	J	32	J	ND		ND		160	J	ND		ND							
Butyl benzyl phthalate	--		--		ND		ND		ND		24	J	ND		ND		ND							
3,3'-Dichlorobenzidine	--		--		ND		ND		ND		ND		ND		ND		ND							
Benzo(a)anthracene	--		--		70	J	ND		ND		ND		120	J	ND		ND							
Chrysene	--		--		82	J	ND		ND		ND		120	J	ND		ND							
bis-(2-Ethylhexyl)phthalate	--		--		1500		27	J	28	J	120	J	2200		2400		2000							
Di-n-octyl phthalate	--		--		ND		ND		ND		ND		ND		ND		ND							
Benzo(b)fluoranthene	--		--		97	J	24	J	ND		ND		120	J	ND		ND							
Benzo(k)fluoranthene	--		--		36	J	ND		ND		ND		50	J	ND		ND							
Benzo(a)pyrene	--		--		72	J	ND		ND		ND		95	J	ND		ND							
Indeno(1,2,3-cd)pyrene	--		--		34	J	ND		ND		ND		ND		ND		ND							
Dibenzo(a,h)anthracene	--		--		ND		ND		ND		ND		ND		ND		ND							
Benzo(g,h,i)perylene	--		--		47	J	ND		ND		ND		46	J	ND		ND							
PCB:																								
AROCLOR-1016	ND		ND		ND		ND		ND		ND		ND		ND		ND							
AROCLOR-1221	ND		ND		ND		ND		ND		ND		ND		ND		ND							
AROCLOR-1232	ND		ND		ND		ND		ND		ND		ND		ND		ND							
AROCLOR-1242	ND		ND		ND		ND		ND		ND		ND		ND		ND							
AROCLOR-1248	ND		ND		ND		64		ND		ND		ND		ND		ND							
AROCLOR-1254	ND		ND		ND		ND		ND		ND		ND		ND		ND							
AROCLOR-1260	10		50,000	E	ND		ND		ND		ND		ND		ND		720							
SL - Storm Line																								

	East Rome Business Park - Phase II							
	Summary of Soil and Water Analytical Results							
	Miscellaneous Samples							
Sample Number	**SC-TC-17**		**SC-TC-18**		**SC-FLA-19**		**SC-FLA-20**	
Sample Location	**Tunnel C**		**Tunnel C**		**Fuel Line A**		**Fuel Line A**	
Matrix	**Soil**		**Soil**		**Soil**		**Soil**	
	(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)	
ASP VOC	X		X		X		X	
ASP SVOC	X		X		X		X	
PCB 8082	--		--		--		--	
ASP PCB 95-3	X		X		X		X	
VOC:								
Chloromethane	ND		ND		ND		ND	
Bromomethane	ND		ND		ND		ND	
Vinyl chloride	ND		ND		ND		ND	
Chloroethane	ND		ND		ND		ND	
Methylene chloride	3	JB	8	JB	13	B	12	JB
Acetone	12	B	9	JB	8	JB	9	JB
Carbon disulfide	ND		ND		ND		ND	
1,1-Dichloroethylene	ND		ND		ND		ND	
1,1-Dichloroethane	ND		ND		ND		ND	
1,2-Dichloroethylene (total)	ND		ND		ND		ND	
Chloroform	ND		ND		ND		ND	
1,2-Dichloroethane	ND		ND		ND		ND	
2-Butanone	ND		ND		ND		ND	
1,1,1-Trichloroethane	ND		ND		ND		ND	
Carbon tetrachloride	ND		ND		ND		ND	
Bromodichloromethane	ND		ND		ND		ND	
1,2-Dichloropropane	ND		ND		ND		ND	
cis-1,3-Dichloropropene	ND		ND		ND		ND	
Trichloroethene	ND		ND		ND		ND	
Dibromochloromethane	ND		ND		ND		ND	
1,1,2-Trichloroethane	ND		ND		ND		ND	
Benzene	ND		ND		ND		ND	
trans-1,3-Dichloropropene	ND		ND		ND		ND	
Bromoform	ND		ND		ND		ND	
4-Methyl-2-pentanone	ND		ND		ND		ND	
2-Hexanone	ND		ND		ND		ND	
Tetrachloroethene	ND		ND		ND		1	J
1,1,2,2-Tetrachloroethane	ND		ND		ND		ND	
Toluene	2	JB	4	JB	3	JB	6	JB
Chlorobenzene	ND		ND		ND		ND	
Ethyl Benzene	ND		ND		ND		ND	
Styrene	ND		ND		ND		ND	
Total xylenes	ND		2	JB	2	JB	2	JB

	East Rome Business Park - Phase II			
	Summary of Soil and Water Analytical Results			
	Miscellaneous Samples			
Sample Number	**SC-TC-17**	**SC-TC-18**	**SC-FLA-19**	**SC-FLA-20**
Sample Location	**Tunnel C**	**Tunnel C**	**Fuel Line A**	**Fuel Line A**
Matrix	**Soil** (ug/kg)	**Soil** (ug/kg)	**Soil** (ug/kg)	**Soil** (ug/kg)
SVOC:				
Phenol	ND	ND	ND	ND
bis(2-Chloroethyl) ether	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND
2,2'-oxybis(1-Chloropropane)	ND	ND	ND	ND
(3+4)-Methylphenol	ND	ND	ND	ND
N-Nitroso-di-n-propylamine	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND
2-Methylnaphthalene	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND
Acenaphthene	ND	ND	ND	ND
2,4-Dinitrophenol	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND
Dibenzofuran	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND

	East Rome Business Park - Phase II							
	Summary of Soil and Water Analytical Results							
	Miscellaneous Samples							
Sample Number	**SC-TC-17**		**SC-TC-18**		**SC-FLA-19**		**SC-FLA-20**	
Sample Location	**Tunnel C**		**Tunnel C**		**Fuel Line A**		**Fuel Line A**	
Matrix	**Soil**		**Soil**		**Soil**		**Soil**	
	(ug/kg)		(ug/kg)		(ug/kg)		(ug/kg)	
Diethylphthalate	ND		ND		ND		ND	
4-Chlorophenyl phenyl ether	ND		ND		ND		ND	
Fluorene	ND		ND		ND		ND	
4-Nitroaniline	ND		ND		ND		ND	
4,6-Dinitro-2-methylphenol	ND		ND		ND		ND	
N-nitrosodiphenylamine	ND		ND		ND		ND	
4-Bromophenyl phenyl ether	ND		ND		ND		ND	
Hexachlorobenzene	ND		ND		ND		ND	
Pentachlorophenol	ND		ND		ND		ND	
Phenanthrene	ND		ND		ND		ND	
Anthracene	ND		ND		ND		ND	
Carbazole	ND		ND		ND		ND	
Di-n-butyl-phthalate	ND		ND		ND		ND	
Fluoranthene	ND		ND		ND		ND	
Pyrene	ND		ND		ND		ND	
Butyl benzyl phthalate	ND		ND		ND		ND	
3,3'-Dichlorobenzidine	ND		ND		ND		ND	
Benzo(a)anthracene	ND		ND		ND		ND	
Chrysene	ND		ND		ND		ND	
bis-(2-Ethylhexyl)phthalate	ND		ND		140	J	ND	
Di-n-octyl phthalate	ND		ND		ND		ND	
Benzo(b)fluoranthene	ND		ND		ND		ND	
Benzo(k)fluoranthene	ND		ND		ND		ND	
Benzo(a)pyrene	ND		ND		ND		ND	
Indeno(1,2,3-cd)pyrene	ND		ND		ND		ND	
Dibenzo(a,h)anthracene	ND		ND		ND		ND	
Benzo(g,h,i)perylene	ND		ND		ND		ND	
PCB:								
AROCLOR-1016	ND		ND		ND		ND	
AROCLOR-1221	ND		ND		ND		ND	
AROCLOR-1232	ND		ND		ND		ND	
AROCLOR-1242	ND		ND		ND		ND	
AROCLOR-1248	ND		ND		ND		ND	
AROCLOR-1254	ND		ND		ND		ND	
AROCLOR-1260	ND		ND		ND		ND	
SL - Storm Line								

APPENDIX B

WATER DISCHARGE TESTING ANALYTICAL RESULTS

A summary of the analytical results of water samples obtained from water discharged from the basement of building 9 and the water treated through an activated carbon treatment system and discharged from the onsite water storage tanks to the municipal sanitary and storm sewers during Phase II of the project are provided on the following pages. Analytical services were provided by:

Upstate Laboratories, Inc.
PO Box 289
Syracuse, NY 13206

	East Rome Business Park - Phase II												
	Summary of Water Discharge Analytical Results												
Sample ID	WP-1	WP-2	WP-3	WP-4	WP-5	WP-6	WP-7	WP-8	WP-9	WP-10	WP-11	WP-12X	WP-13
Location	BT 1	BT 2	BT 3	BT 4	Exc D	Bld 9 Outfall	BT 2	Bld 9 Outfall	Bld 9 Outfall	Bld 9 Outfall	BT 3 Exc D	Bld 9 Outfall	Bld 9 Outfall
Sample Date	04/13/1999	04/13/1999	04/13/1999	04/13/1999	04/13/1999	04/14/1999	04/15/1999	04/16/1999	04/20/1999	04/27/1999	04/28/1999	04/29/1999	05/06/1999
Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
Oil & Grease	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
Total Cyanide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
Arsenic	0.042	0.028	0.025	0.07	0.035	ND	0.032	ND	ND	ND	0.005	--	ND
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
Copper	ND	ND	0.03	0.02	0.02	ND	ND	ND	ND	ND	0.05	--	ND
Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
Mercury	0.0004	0.0005	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
Nickel	ND	ND	ND	ND	ND	0.05	0.04	ND	0.06	0.06	0.07	--	ND
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
Zinc	ND	0.02	0.04	0.02	0.02	0.04	ND	0.04	0.07	0.06	0.09	--	0.09
Aroclor 1016	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
Aroclor 1221	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
Aroclor 1232	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
Aroclor 1242	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
Aroclor 1248	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
Aroclor 1254	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
Aroclor 1260	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	1.8	ND	ND
Total PCB	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	1.8	ND	ND

BT - Baker Tank

	East Rome Business Park												
	Summary of Water Discharge Analytical Results												
Sample ID	WP-14	WP-15	WP-16	WP-17	WP-18	WP-19	WP-20	WP-21	WP-22	#5	WP-23A	WP-23B	WP-24X
Location	BT 3 Exc D	Center Cells	North Cells	Eff Center	Eff North	BT 2 Ecx B	Bld 9 Outfall	BLD 9 Outfall	SL D Mnhole	Exc D NW	Exc B	Blank	BT 3
Sample Date	05/11/1999	05/11/1999	05/11/1999	05/11/1999	05/11/1999	05/11/1999	05/13/1999	05/20/1999	05/20/1999	05/20/1999	05/26/1999	05/26/1999	05/27/1999
Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
Oil & Grease	--	--	--	--	--	ND	ND	ND	--	--	--	--	--
Total Cyanide	--	--	--	--	--	ND	ND	ND	--	--	--	--	--
Arsenic	--	--	--	--	--	0.007	ND	0.005	--	--	--	--	--
Cadmium	--	--	--	--	--	ND	ND	0.005	--	--	--	--	--
Chromium	--	--	--	--	--	ND	ND	ND	--	--	--	--	--
Copper	--	--	--	--	--	0.02	ND	0.04	--	--	--	--	--
Lead	--	--	--	--	--	ND	ND	ND	--	--	--	--	--
Mercury	--	--	--	--	--	ND	ND	ND	--	--	--	--	--
Nickel	--	--	--	--	--	0.13	0.03	0.03	--	--	--	--	--
Silver	--	--	--	--	--	ND	ND	ND	--	--	--	--	--
Zinc	--	--	--	--	--	0.04	0.03		--	--	--	--	--
Aroclor 1016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.5	0.23	0.21	0.14	0.11	ND	ND	0.22	0.19	58	0.62	ND	ND
Total PCB	2.1	0.23	0.21	0.14	0.11	ND	ND	0.22	0.19	58	0.62	ND	ND

BT - Baker Tank

				East Rome Business Park					
				Summary of Water Discharge Analytical Results					
Sample ID	WP-24Z	WP-25A	WP-25B	WP-26A	WP-27	WP-28	WP-30	WP-31	WP-32
Location	Blank	Exc B	Exc B	BT 1	Exc B	Exc D	BT 2	BT 3	BT 4
					BT 1	BT 3			
Sample Date	05/27/1999	06/03/1999	06/03/1999	06/17/1999	07/09/1999	07/09/1999	08/19/1999	08/19/1999	08/26/1999
Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water
Oil & Grease	--	ND	--	ND	--	--	ND	ND	ND
Total Cyanide	--	ND	--	ND	--	--	ND	ND	ND
Arsenic	--	0.006	--	0.001	--	--	0.002	0.003	0.001
Cadmium	--	0.006	--	ND	--	--	ND	ND	0.012
Chromium	--	ND	--	ND	--	--	ND	ND	ND
Copper	--	ND	--	0.03	--	--	0.02	ND	0.03
Lead	--	ND	--	ND	--	--	ND	ND	ND
Mercury	--	ND	--	ND	--	--	ND	ND	ND
Nickel	--	0.09	--	0.07	--	--	0.97	1.5	9.5
Silver	--	ND	--	ND	--	--	ND	ND	0.06
Zinc	--		--		--	--			
Aroclor 1016	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	ND	ND	ND	2	ND	0.06	ND	ND	ND
Total PCB	ND	ND	ND	2	ND	0.06	ND	ND	ND
BT - Baker Tank									

APPENDIX C

VOC AIR SAMPLE ANALYTICAL RESULTS

A summary of the analytical results of air sample testing for volatile organic compounds (VOCs) taken during Phase II of the project are provided on the following pages. Analytical services were provided by:

Galson Laboratories
6601 Kirkville Road
East Syracuse, NY 13057-0369

And

Buck Environmental Laboratories, Inc.
3821 Buck Drive
Cortland, NY 13045

	East Rome Business Park - Phase II												
	Summary of VOC Air Sample Analytical Results												
Sample	**VOC**	**VOC**	**VOC**	**VOC**	**VOC**	**VOC**	**VOC**	**VOC**	**VOC**	**VOC**	**VOC**	**VOC**	**VOC**
ID	**B-1P**	**B-2**	**B-3**	**B-4**	**B-5**	**B-6**	**B-8**	**B-8**	**B-9**	**D-10**	**D-11**	**E-12**	**E-13**
Sample Date	12/16/1998	12/16/1998	12/16/1998	12/17/1998	12/17/1998	12/18/1998	12/18/1998	12/21/1998	12/21/1998	01/20/1999	01/20/1999	l/22/99	l/22/99
Sample Location	Personal	20K Tank	20K Tank	20K Tank	20K Tank	20K Tank	20K Tank	20K Tank	20K Tank	Excav D	Excav D	Excav E	Excav E
	20K Tank	Excav S	Excav N	Excav N	Excav S	Excav N	Excav S	Excav N	Excav S	Downwind	Upwind	Downwind	Upwind
	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3
Alpha-Methylstyrene	<0.007	<0.007	<0.006	<0.009	<0.01	<0.02	<0.02	<0.02	<0.02	--	--	--	--
Benzene	<0.005	<0.005	<0.004	<0.009	<0.01	<0.02	<0.02	<0.02	<0.02	ND	ND	ND	ND
Cymene	0.03	<0.005	<0.004	<0.009	<0.01	<0.02	<0.02	<0.02	<0.02	ND	ND	ND	ND
Ethylbenzene	0.06	<0.005	0.004	<0.009	<0.01	<0.02	<0.02	<0.02	<0.02	ND	ND	ND	ND
Naphthalene	0.03	<0.009	<0.009	<0.02	<0.02	<0.04	<0.04	<0.04	<0.04	--	--	--	--
p-tert-Butyl Toluene	0.01	<0.005	<0.004	<0.009	<0.01	<0.02	<0.02	<0.02	<0.02	--	--	--	--
Styrene	0.05	<0.007	<0.007	<0.01	<0.02	<0.03	<0.03	<0.03	<0.03	--	--	--	--
Toluene	0.05	0.01	0.02	0.02	<0.01	0.03	<0.02	<0.02	<0.02	ND	ND	ND	ND
Vinyl Toluene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.08	<0.07	--	--	--	--
Xylene	0.1	<0.009	0.01	0.02	<0.02	<0.04	<0.04	<0.04	<0.04	ND	ND	ND	ND

	East Rome Business Park - Phase II												
	Summary of VOC Air Sample Analytical Results												
Sample ID	**VOC E-13**	**VOC E-14**	**VOC E-16**	**VOC E-17**	**VOC D-18**	**VOC D-19**	**VOC D-20**	**VOC D-21**	**VOC D-22**	**VOC D-23**	**VOC D-24**	**VOC D-25**	**VOC D-26**
Sample Date	01/23/1999	01/23/1999	01/25/1999	01/25/1999	01/26/1999	01/26/1999	01/27/1999	01/27/1999	02/01/1999	02/01/1999	02/02/1999	02/02/1999	02/03/1999
Sample Location	Excav E	Excav E	Excav E	Excav E	Excav D	Excav D	Excav D	Excav D	Excav D	Excav D	Excav D	Excav D	Excav D
	Downwind	Upwind	Downwind	Upwind	Downwind	Upwind	Upwind	Downwind	Upwind	Downwind	Downwind	Upwind	Downwind
	mg/m^3	mg/m^3	mg/m^3	mg/m^3	Downwind	Upwind	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3
Alpha-Methylstyrene	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cymene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--
p-tert-Butyl Toluene	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Toluene	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

	East Rome Business Park - Phase II												
	Summary of VOC Air Sample Analytical Results												
Sample ID	**VOC D-27**	**VOC D-28**	**VOC D-29**	**VOC D-30**	**VOC D-31**	**VOC D-32**	**VOC D-33**	**VOC D-34**	**VOC D-35**	**VOC D-36**	**VOC D-37**	**VOC D-38**	**VOC D-39**
Sample Date	02/03/1999	02/04/1999	02/04/1999	02/05/1999	02/05/1999	02/09/1999	02/09/1999	02/10/1999	02/10/1999	02/11/1999	02/11/1999	02/12/1999	02/12/1999
Sample Location	Excav D Upwind	Excav D Upwind	Excav D Downwind	Excav D Upwind	Excav D Downwind	Excav D Upwind	Excav D Downwind	Excav D Upwind	Excav D Downwind	Excav D Upwind	Excav D Downwind	Excav D Upwind	Excav D Downwind
	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3
Alpha-Methylstyrene	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cymene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--
p-tert-Butyl Toluene	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Toluene	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

	East Rome Business Park - Phase II												
	Summary of VOC Air Sample Analytical Results												
Sample	**VOC**	**VOC**	**VOC**	**VOC**	**VOC**	**VOC**	**VOC**	**VOC**	**VOC**	**VOC**	**VOC**	**VOC**	**VOC**
ID	**SLA-40**	**SLA-41**	**SLFG-42**	**SLFG-43**	**B-44**	**B-45**	**B-46**	**B-47**	**48**	**49**	**50**	**51**	**52**
Sample Date	02/15/1999	02/15/1999	02/16/1999	02/16/1999	02/16/1999	02/16/1999	02/17/1999	02/17/1999	02/18/1999	02/18/1999	02/19/1999	02/19/1999	02/22/1999
Sample Location	Stm Ln A	Stm Ln A	Stm Ln F,G	Stm Ln F,G	Bldg 9	Bldg 9	Excav B	Excav B	Mosca	Mosca	Stm Ln H	Stm Ln H	Stm Ln J
	Upwind	Downwind	Downwind	Upwind	Downwind	Upwind	Downwind	Upwind	Upwind	Downwind	Upwind	Downwind	Upwind
	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3
Alpha-Methylstyrene	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cymene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--
p-tert-Butyl Toluene	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Toluene	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

	East Rome Business Park - Phase II												
	Summary of VOC Air Sample Analytical Results												
Sample ID	**VOC 53**	**VOC SLM-54**	**VOC SLM-55**	**VOC 56**	**VOC 57**	**VOC 58**	**VOC 59**	**VOC 60**	**VOC 61**	**VOC 62**	**VOC 63**	**VOC 64**	**VOC 65**
Sample Date	02/22/1999	02/23/1999	02/23/1999	02/24/1999	02/24/1999	02/25/1999	02/25/1999	03/24/1999	03/24/1999	03/25/1999	03/25/1999	03/30/1999	03/30/1999
Sample Location	Stm Ln J	Stm Ln M	Stm Ln M	Stm Ln L	Stm Ln M	Blr Rm	Blr Rm	Excav B	Excav B	Excav B	Excav B	Excav A	Excav A
	Downwind	Upwind	Downwind	Downwind	Upwind	Upwind	Downwind	Downwind	Upwind	Downwind	Upwind	Downwind	Upwind
	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3
Alpha-Methylstyrene	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cymene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--
p-tert-Butyl Toluene	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Toluene	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

East Rome Business Park - Phase II Summary of VOC Air Sample Analytical Results													
Sample ID	**VOC 66**	**VOC 67**	**VOC 68**	**VOC 69**	**VOC 70**	**VOC 71**	**VOC 72**	**VOC 73**	**VOC 74**	**VOC 75**	**VOC 76**	**VOC 77**	**VOC 78**
Sample Date	04/05/1999	04/05/1999	04/07/1999	04/07/1999	04/08/1999	04/08/1999	04/12/1999	04/12/1999	04/13/1999	04/13/1999	04/14/1999	04/14/1999	04/15/1999
Sample Location	12K Tnk	12K Tnk	Excav B	Excav B	Excav B	Excav B	Excav B	Excav B	Excav B	Excav B	Excav B	Excav B	Excav B
	Upwind	Downwind	Upwind	Downwind	Downwind	Upwind	Downwind	Upwind	Downwind	Upwind	Downwind	Upwind	Downwind
	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3
Alpha-Methylstyrene	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cymene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	--	--	--	--	--	--	--	--	--	--	--	--	--
p-tert-Butyl Toluene	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Toluene	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

	East Rome Business Park - Phase II						
	Summary of VOC Air Sample Analytical Results						
Sample	**VOC**	**VOC**	**VOC**	**VOC**	**VOC**	**VOC**	**VOC**
ID	**79**	**80**	**81**	**82**	**83**	**84**	**85**
Sample Date	04/15/1999	04/28/1999	04/28/1999	05/04/1999	05/04/1999	05/05/1999	05/05/1999
Sample Location	Excav B	Excav B	Excav B	Excav B	Excav B	Excav B	Excav B
	Upwind	Downwind	Upwind	Downwind	Upwind	Downwind	Upwind
	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3
Alpha-Methylstyrene	--	--	--	--	--	--	--
Benzene	ND	ND	ND	ND	ND	ND	ND
Cymene	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND
Naphthalene	--	--	--	--	--	--	--
p-tert-Butyl Toluene	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--
Toluene	ND	ND	ND	ND	ND	ND	ND
Vinyl Toluene	--	--	--	--	--	--	--
Xylene	ND	ND	ND	ND	ND	ND	ND

APPENDIX D

SVOC AIR SAMPLE ANALYTICAL RESULTS

A summary of the analytical results of air sample testing for semi-volatile organic compounds (SVOCs) taken during Phase II of the project are provided on the following pages. Analytical services were provided by:

Galson Laboratories
6601 Kirkville Road
East Syracuse, NY 13057-0369

	East Rome Business Park - Phase II											
	Summary of SVOC Air Sample Analytical Results											
Sample	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**
ID	**B-1**	**B-2**	**B-3**	**B-4**	**B-7**	**B-9**	**B-7**	**B-8**	**D-9**	**D-10**	**E-13**	**E-14**
Sample Date	12/16/1998	12/16/1998	12/17/1998	12/17/1998	12/18/1998	12/18/1998	12/21/1998	12/21/1998	1/.20/99	1/.20/99	01/23/1999	01/23/1999
Sample Location	20K Tank	20K Tank	20K Tank	20K Tank	20K Tank	20K Tank	20K Tank	20K Tank	Excav D	Excav D	Excav E	Excav E
	Excav S	Excav N	Excav N	Excav S	Excav N	Excav S	Excav N	Excav S	Upwind	Downwind	Upwind	Downwind
	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3
Acenaphthene	<0.0007	<0.0007	<0.001	<0.002	<0.0006	<0.0006	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001
Acenaphthylene	<0.0007	0.001	0.003	<0.002	0.0008	<0.0006	<0.0006	<0.0006	<0.001	0.003	<0.001	<0.001
Anthracene	<0.0007	<0.0007	<0.001	<0.002	<0.0006	<0.0006	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001
Benzo(a)Anthracene	<0.0007	<0.0007	<0.001	<0.002	<0.0006	<0.0006	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001
Benzo(b)Pyrene	<0.0007	<0.0007	<0.001	<0.002	<0.0006	<0.0006	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001
Benzo(b)Fluoranthene	<0.0007	<0.0007	<0.001	<0.002	<0.0006	<0.0006	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001
Benzo(E)Purene	<0.0007	<0.0007	<0.001	<0.002	<0.0006	<0.0006	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001
Benzo(g,h,i)Perylene	<0.0007	<0.0007	<0.001	<0.002	<0.0006	<0.0006	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001
Benzo(k)Fluoranthene	<0.0007	<0.0007	<0.001	<0.002	<0.0006	<0.0006	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001
Chrysene	<0.0007	<0.0007	<0.001	<0.002	<0.0006	<0.0006	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001
Dibenzo(a,h)Anthracene	<0.0007	<0.0007	<0.001	<0.002	<0.0006	<0.0006	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001
Fluoranthene	<0.0007	<0.0007	<0.001	<0.002	<0.0006	<0.0006	<0.0006	<0.0006	<0.001	0.003	<0.001	<0.001
Fluorene	<0.0007	<0.0007	<0.001	<0.002	<0.0006	<0.0006	<0.0006	<0.0006	<0.001	0.002	<0.001	<0.001
Ideno-1,2,3-cd-Pyrene	<0.0007	<0.0007	<0.001	<0.002	<0.0006	<0.0006	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001
Naphthalene	<0.0007	0.0007	<0.001	<0.002	<0.0006	0.001	<0.0006	0.0006	<0.001	0.005	<0.001	<0.001
Phenenthrene	<0.0007	<0.0007	<0.001	<0.002	<0.0006	<0.0006	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001
Pyrene	<0.0007	<0.0007	<0.001	<0.002	<0.0006	<0.0006	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001

EAST ROME BUSINESS PARK - PHASE II Summary of SVOC Air Sample Analytical Results													
Sample	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**
ID	**E-15**	**E-16**	**E-17**	**E-18**	**E-19**	**E-20**	**E-21**	**E-22**	**E-23**	**E-24**	**E-25**	**E-26**	**E-27**
Sample Date	01/25/1999	01/25/1999	01/26/1999	01/26/1999	01/27/1999	01/27/1999	02/01/1999	02/01/1999	02/02/1999	02/02/1999	02/03/1999	02/03/1999	02/04/1999
Sample Location	Excav E	Excav E	Excav D	Excav D	Excav D	Excav D	Excav D	Excav D	Excav D	Excav D	Excav D	Excav D	Excav D
	Upwind	Downwind	Upwind	Downwind	North	South	NW	NE	Upwind	Downwind	Upwind	Downwind	Upwind
	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3
Acenaphthene	<0.0006	<0.0006	<0.0006	<0.0005	<0.0004	<0.0004	<0.001	<0.001	<0.001	<0.001	<0.0006	<0.0006	<0.001
Acenaphthylene	<0.0006	<0.0006	<0.0006	<0.0005	<0.0004	<0.0004	>0.03	<0.001	<0.001	<0.001	<0.0006	>0.004	<0.001
Anthracene	<0.0006	<0.0006	<0.0006	<0.0005	<0.0004	<0.0004	<0.001	<0.001	<0.001	<0.001	<0.0006	<0.0006	<0.001
Benzo(a)Anthracene	<0.0006	<0.0006	<0.0006	<0.0005	<0.0004	<0.0004	<0.001	<0.001	<0.001	<0.001	<0.0006	<0.0006	<0.001
Benzo(b)Pyrene	<0.0006	<0.0006	<0.0006	<0.0005	<0.0004	<0.0004	<0.001	<0.001	<0.001	<0.001	<0.0006	<0.0006	<0.001
Benzo(b)Fluoranthene	<0.0006	<0.0006	<0.0006	<0.0005	<0.0004	<0.0004	<0.001	<0.001	<0.001	<0.001	<0.0006	<0.0006	<0.001
Benzo(E)Purene	<0.0006	<0.0006	<0.0006	<0.0005	<0.0004	<0.0004	<0.001	<0.001	<0.001	<0.001	<0.0006	<0.0006	<0.001
Benzo(g,h,i)Perylene	<0.0006	<0.0006	<0.0006	<0.0005	<0.0004	<0.0004	<0.001	<0.001	<0.001	<0.001	<0.0006	<0.0006	<0.001
Benzo(k)Fluoranthene	<0.0006	<0.0006	<0.0006	<0.0005	<0.0004	<0.0004	<0.001	<0.001	<0.001	<0.001	<0.0006	<0.0006	<0.001
Chrysene	<0.0006	<0.0006	<0.0006	<0.0005	<0.0004	<0.0004	<0.001	<0.001	<0.001	<0.001	<0.0006	<0.0006	<0.001
Dibenzo(a,h)Anthracene	<0.0006	<0.0006	<0.0006	<0.0005	<0.0004	<0.0004	<0.001	<0.001	<0.001	<0.001	<0.0006	<0.0006	<0.001
Fluoranthene	<0.0006	<0.0006	<0.0006	<0.0005	<0.0004	<0.0004	<0.001	<0.001	<0.001	<0.001	<0.0006	<0.0006	<0.001
Fluorene	<0.0006	<0.0006	<0.0006	<0.0005	<0.0004	<0.0004	0.002	<0.001	<0.001	<0.001	<0.0006	<0.0006	<0.001
Ideno-1,2,3-cd-Pyrene	<0.0006	<0.0006	<0.0006	<0.0005	<0.0004	<0.0004	<0.001	<0.001	<0.001	<0.001	<0.0006	0.0006	<0.001
Naphthalene	<0.0006	<0.0006	<0.0006	<0.0005	<0.0004	<0.0004	0.002	<0.001	<0.001	<0.001	0.0006	0.0006	<0.001
Phenenthrene	<0.0006	<0.0006	<0.0006	<0.0005	<0.0004	<0.0004	<0.001	<0.001	<0.001	<0.001	<0.0006	<0.0006	<0.001
Pyrene	<0.0006	<0.0006	<0.0006	<0.0005	<0.0004	<0.0004	<0.001	<0.001	<0.001	<0.001	<0.0006	<0.0006	<0.001

EAST ROME BUSINESS PARK - PHASE II

Summary of SVOC Air Sample Analytical Results

Sample	SVOC	SVOC	SVOC	SVOC	SVOC	SVOC	SVOC	SVOC	SVOC	SVOC	SVOC	SVOC	SVOC
ID	E-28	E-29	E-30	E-31	E-32	D-33	D-34	D-37	D-38	D-39	D-40	D-41	D-42
Sample Date	02/04/1999	02/05/1999	02/05/1999	02/09/1999	02/09/1999	02/10/1999	02/10/1999	02/12/1999	02/12/1999	02/15/1999	02/15/1999	02/16/1999	02/16/1999
Sample Location	Excav D	Excav D	Excav D	Excav D	Excav D	Excav D	Excav D	Excav D	Excav D	SL A	SL A	SL F,G	SL F,G
	Downwind	Upwind	Downwind	Upwind	Downwind	Upwind	Downwind	Upwind	Downwind	Upwind	Downwind	Upwind	Downwind
	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3
Acenaphthene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Acenaphthylene	<0.001	<0.001	<0.001	<0.001	<0.001	>0.02	<0.0006	<0.001	<0.001	>0.009	<0.001	<0.001	<0.001
Anthracene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzo(a)Anthracene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzo(b)Pyrene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzo(b)Fluoranthene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzo(E)Purene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzo(g,h,i)Perylene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzo(k)Fluoranthene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chrysene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dibenzo(a,h)Anthracene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Fluoranthene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Fluorene	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	<0.0006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Ideno-1,2,3-cd-Pyrene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Naphthalene	<0.001	<0.001	<0.001	<0.001	0.001	0.002	<0.0006	0.001	0.004	>0.008	<0.001	>0.004	>0.006
Phenenthrene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Pyrene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

EAST ROME BUSINESS PARK - PHASE II														
Summary of SVOC Air Sample Analytical Results														
Sample	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**
ID	**D-43**	**D-44**	**D-45**	**D-46**	**D-47**	**D-48**	**D-49**	**D-50**	**D-51**	**D-52**	**D-53**	**D-54**	**D-55**	**D-56**
Sample Date	02/16/1999	02/16/1999	02/17/1999	02/17/1999	02/18/1999	02/18/1999	02/19/1999	02/19/1999	02/22/1999	02/22/1999	02/23/1999	02/23/1999	02/24/1999	02/24/1999
Sample Location	Excav B	Excav B	Excav B	Excav B	FL A/SL E	FL A/SL E								
	Upwind	Downwind	Upwind	Downwind	Upwind	Downwind	Upwind	Downwind	Upwind	Downwind	Upwind	Downwind	Upwind	Downwind
	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3
Acenaphthene	<0.001	<0.001	<0.0004	<0.001	<0.0007	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0006	<0.0006
Acenaphthylene	<0.001	<0.001	<0.0004	<0.001	<0.0007	<0.0007	<0.001	<0.001	<0.001	0.001	<0.0005	<0.0005	<0.0006	<0.0006
Anthracene	<0.001	<0.001	<0.0004	<0.001	<0.0007	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0006	<0.0006
Benzo(a)Anthracene	<0.001	<0.001	<0.0004	<0.001	<0.0007	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0006	<0.0006
Benzo(b)Pyrene	<0.001	<0.001	<0.0004	<0.001	<0.0007	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0006	<0.0006
Benzo(b)Fluoranthene	<0.001	<0.001	<0.0004	<0.001	<0.0007	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0006	<0.0006
Benzo(E)Purene	<0.001	<0.001	<0.0004	<0.001	<0.0007	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0006	<0.0006
Benzo(g,h,i)Perylene	<0.001	<0.001	<0.0004	<0.001	<0.0007	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0006	<0.0006
Benzo(k)Fluoranthene	<0.001	<0.001	<0.0004	<0.001	<0.0007	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0006	<0.0006
Chrysene	<0.001	<0.001	<0.0004	<0.001	<0.0007	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0006	<0.0006
Dibenzo(a,h)Anthracene	<0.001	<0.001	<0.0004	<0.001	<0.0007	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0006	<0.0006
Fluoranthene	<0.001	<0.001	<0.0004	<0.001	<0.0007	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0006	<0.0006
Fluorene	<0.001	<0.001	<0.0004	<0.001	<0.0007	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0006	<0.0006
Ideno-1,2,3-cd-Pyrene	<0.001	<0.001	<0.0004	<0.001	<0.0007	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0006	<0.0006
Naphthalene	>0.004	0.002	<0.0004	>0.003	<0.0007	<0.0007	<0.001	<0.001	0.002	0.003	<0.0005	<0.0005	<0.0006	<0.0006
Phenenthrene	<0.001	<0.001	<0.0004	<0.001	<0.0007	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0006	<0.0006
Pyrene	<0.001	<0.001	<0.0004	<0.001	<0.0007	<0.0007	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0006	<0.0006

EAST ROME BUSINESS PARK - PHASE II														
Summary of SVOC Air Sample Analytical Results														
Sample	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**
ID	**D-57**	**D-58**	**D-59**	**D-60**	**D-61**	**D-62**	**63**	**64**	**65**	**66**	**67**	**68**	**69**	**70**
Sample Date	02/25/1999	02/25/1999	03/24/1999	03/24/1999	03/25/1999	03/25/1999	03/30/1999	03/30/1999	04/05/1999	04/05/1999	04/07/1999	04/07/1999	04/08/1999	04/08/1999
Sample Location									12K Tnk	12K Tnk	Excav B	Excav B	Excav B	Excav B
	Upwind	Downwind	Downwind	Upwind	Downwind	Upwind	Downwind	Upwind	Upwind	Downwind	Upwind	Downwind	Downwind	Upwind
	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3
Acenaphthene	<0.0005	<0.0005	<0.0004	<0.0004	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0008	<0.0008
Acenaphthylene	<0.0005	<0.0005	0.0006	<0.0004	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0008	<0.0008
Anthracene	<0.0005	<0.0005	<0.0004	<0.0004	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0008	<0.0008
Benzo(a)Anthracene	<0.0005	<0.0005	<0.0004	<0.0004	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0008	<0.0008
Benzo(b)Pyrene	<0.0005	<0.0005	<0.0004	<0.0004	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0008	<0.0008
Benzo(b)Fluoranthene	<0.0005	<0.0005	<0.0004	<0.0004	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0008	<0.0008
Benzo(E)Purene	<0.0005	<0.0005	<0.0004	<0.0004	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0008	<0.0008
Benzo(g,h,i)Perylene	<0.0005	<0.0005	<0.0004	<0.0004	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0008	<0.0008
Benzo(k)Fluoranthene	<0.0005	<0.0005	<0.0004	<0.0004	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0008	<0.0008
Chrysene	<0.0005	<0.0005	<0.0004	<0.0004	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0008	<0.0008
Dibenzo(a,h)Anthracene	<0.0005	<0.0005	<0.0004	<0.0004	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0008	<0.0008
Fluoranthene	<0.0005	<0.0005	<0.0004	<0.0004	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0008	<0.0008
Fluorene	<0.0005	<0.0005	<0.0004	<0.0004	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0008	<0.0008
Ideno-1,2,3-cd-Pyrene	<0.0005	<0.0005	<0.0004	<0.0004	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0008	<0.0008
Naphthalene	<0.0005	<0.0005	0.0004	<0.0004	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0008	<0.0008
Phenenthrene	<0.0005	<0.0005	<0.0004	<0.0004	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0008	<0.0008
Pyrene	<0.0005	<0.0005	<0.0004	<0.0004	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0008	<0.0008

EAST ROME BUSINESS PARK - PHASE II														
Summary of SVOC Air Sample Analytical Results														
Sample	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**	**SVOC**
ID	**71**	**72**	**73**	**74**	**75**	**76**	**77**	**78**	**79**	**80**	**81**	**82**	**83**	**84**
Sample Date	04/12/1999	04/12/1999	04/13/1999	04/13/1999	04/14/1999	04/14/1999	04/15/1999	04/15/1999	04/28/1999	04/28/1999	05/04/1999	05/04/1999	05/05/1999	05/05/1999
Sample Location	Excav B	Excav B	Excav B	Excav B	Excav B	Excav B	Excav B	Excav B	Excav B	Excav B	Excav B	Excav B	Excav B	Excav B
	Downwind	Upwind	Downwind	Upwind	Downwind	Upwind	Downwind	Upwind	Downwind	Upwind	Downwind	Upwind	Upwind	Downwind
	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3
Acenaphthene	<0.0008	<0.0008	<0.0009	<0.0009	<0.0008	<0.0008	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0008
Acenaphthylene	<0.0008	<0.0008	<0.0009	<0.0009	<0.0008	<0.0008	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0008
Anthracene	<0.0008	<0.0008	<0.0009	<0.0009	<0.0008	<0.0008	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0008
Benzo(a)Anthracene	<0.0008	<0.0008	<0.0009	<0.0009	<0.0008	<0.0008	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0008
Benzo(b)Pyrene	<0.0008	<0.0008	<0.0009	<0.0009	<0.0008	<0.0008	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0008
Benzo(b)Fluoranthene	<0.0008	<0.0008	<0.0009	<0.0009	<0.0008	<0.0008	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0008
Benzo(E)Purene	<0.0008	<0.0008	<0.0009	<0.0009	<0.0008	<0.0008	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0008
Benzo(g,h,i)Perylene	<0.0008	<0.0008	<0.0009	<0.0009	<0.0008	<0.0008	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0008
Benzo(k)Fluoranthene	<0.0008	<0.0008	<0.0009	<0.0009	<0.0008	<0.0008	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0008
Chrysene	<0.0008	<0.0008	<0.0009	<0.0009	<0.0008	<0.0008	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0008
Dibenzo(a,h)Anthracene	<0.0008	<0.0008	<0.0009	<0.0009	<0.0008	<0.0008	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0008
Fluoranthene	<0.0008	<0.0008	<0.0009	<0.0009	<0.0008	<0.0008	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0008
Fluorene	<0.0008	<0.0008	<0.0009	<0.0009	<0.0008	<0.0008	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0008
Ideno-1,2,3-cd-Pyrene	<0.0008	<0.0008	<0.0009	<0.0009	<0.0008	<0.0008	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0008
Naphthalene	<0.0008	<0.0008	<0.0009	0.0009	<0.0008	<0.0008	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0008
Phenenthrene	<0.0008	<0.0008	<0.0009	<0.0009	<0.0008	<0.0008	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0008
Pyrene	<0.0008	<0.0008	<0.0009	<0.0009	<0.0008	<0.0008	<0.0006	<0.0006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0008

APPENDIX E

PCB AIR SAMPLE ANALYTICAL RESULTS

A summary of the analytical results of air sample testing for polychlorinated biphenyl compounds (PCBs) taken during Phase II of the project are provided on the following pages. Analytical services were provided by:

Galson Laboratories
6601 Kirkville Road
East Syracuse, NY 13057-0369

East Rome Business Park - Phase II			
Summary of PCB Air Sample Analytical Results			
	Sample		Total PCB
Sample ID	Date	Location	(mg/m^3)
PCB-1	02/23/1999	SL M	N/D
PCB-2	02/23/1999	SL M	N/D
PCB-3	02/24/1999	SL M	N/D
PCB-4	02/24/1999	ST L	N/D
PCB-5	05/13/1999	Exc D	N/D
PCB-6	05/13/1999	Exc D	N/D
PCB-7	05/17/1999	Exc D	N/D
PCB-8	05/17/1999	Exc D	N/D
PCB-9	05/18/1999	Exc D	N/D
PCB-10	05/18/1999	Exc D	N/D
PCB-11	06/10/1999	Exc D	N/D
PCB-12	06/10/1999	Exc D	N/D

APPENDIX F

DUST SAMPLE ANALYTICAL RESULTS

A summary of the analytical results of air sample testing for nuisance dust taken during Phase II of the project are provided on the following pages. Analytical services were provided by:

Buck Environmental Laboratories, Inc.
3821 Buck Drive
Cortland, NY 13045

East Rome Business Park - Phase II				
Summary of Dust Sample Analytical Results				
Sample ID	Sample Location	Upwind/ Downwind	Sample Date	Results (mg/m^3)
OSHA Permissible Exposure Limit - Nuisance Dust				15
DM D-1	Excav D	Downwind	01/20/1999	0.300
DM D-2	Excav D	Upwind	01/20/1999	0.040
DM D-3	Strm Line L	Downwind	02/25/1999	0.040
DM D-4	Strm Line L	Upwind	02/25/1999	0.210
DM D-5	N of Bldg 9	Downwind	06/21/1999	0.109
DM D-6	S of Bldg 9	Upwind	06/21/1999	0.094
DM D-7	S of Bldg 9	Upwind	06/22/1999	0.063
DM D-8	N of Bldg 9	Downwind	06/22/1999	0.009
DM D-9	N of Bldg 9	Downwind	06/23/1999	0.065
DM D-10	S of Bldg 9	Upwind	06/23/1999	0.046
DM D-11	N of Bldg 9	Downwind	06/24/1999	0.111
DM D-12	S of Bldg 9	Upwind	06/24/1999	0.264
DM D-13	N of Bldg 9	Upwind	06/28/1999	0.023
DM D-14	S of Bldg 9	Downwind	06/28/1999	0.090
DM D-15	N of Bldg 9	Downwind	06/29/1999	0.143
DM D-16	S of Bldg 9	Upwind	06/29/1999	0.064
DM D-17	N of Bldg 9	Downwind	06/30/1999	0.124
DM D-18	S of Bldg 9	Upwind	06/30/1999	0.177
DM D-19	N of Bldg 9	Downwind	07/01/1999	0.047
DM D-20	S of Bldg 9	Upwind	07/01/1999	0.122
DM D-21	N of Bldg 9	Upwind	07/02/1999	0.056
DM D-22	S of Bldg 9	Downwind	07/02/1999	0.042
DM D-23	N of Bldg 9	Upwind	07/07/1999	0.056
DM D-24	S of Bldg 9	Downwind	07/07/1999	0.074
DM D-25	N of Bldg 9	Upwind	07/08/1999	0.044
DM D-26	S of Bldg 9	Downwind	07/08/1999	0.051
DM D-27	N of Bldg 9	Downwind	07/09/1999	ND(<0.001)
DM D-28	S of Bldg 9	Upwind	07/09/1999	0.079
DM D-29	N of Bldg 9	Downwind	07/12/1999	0.048
DM D-30	S of Bldg 9	Upwind	07/12/1999	0.058
DM D-31	N of Bldg 9	Upwind	07/13/1999	0.037
DM D-32	S of Bldg 9	Downwind	07/13/1999	0.009
DM D-33	N of Bldg 9	Upwind	07/14/1999	0.039
DM D-34	S of Bldg 9	Downwind	07/14/1999	0.058
DM D-35	N of Bldg 9	Upwind	08/02/1999	0.155
DM D-36	S of Bldg 9	Downwind	08/02/1999	0.293
DM D-37	N of Bldg 9	Downwind	08/03/1999	0.234
DM D-38	S of Bldg 9	Upwind	08/03/1999	0.084
DM D-39	N of Bldg 9	Downwind	08/04/1999	0.412
DM D-41	N of Bldg 9	Downwind	08/05/1999	0.043
DM D-42	S of Bldg 9	Upwind	08/05/1999	0.043
DM D-43	N of Bldg 9	Upwind	08/09/1999	0.021
DM D-44	S of Bldg 9	Downwind	08/09/1999	0.084
DM D-45	N of Bldg 9	Downwind	08/10/1999	0.074
DM D-46	S of Bldg 9	Upwind	08/10/1999	0.086
DM D-47	N of Bldg 9	Upwind	08/11/1999	0.091
DM D-48	S of Bldg 9	Downwind	08/11/1999	0.103
DM D-47	N of Bldg 9	Upwind	08/12/1999	0.061
DM D-48	S of Bldg 9	Downwind	08/12/1999	0.051
DM D-51	N of Bldg 9	Downwind	08/16/1999	0.036
DM D-52	S of Bldg 9	Upwind	08/16/1999	0.095

East Rome Business Park - Phase II				
Summary of Dust Sample Analytical Results				
Sample ID	Sample Location	Upwind/ Downwind	Sample Date	Results (mg/m^3)
OSHA Permissible Exposure Limit - Nuisance Dust				15
DM D-53	N of Bldg 9	Upwind	08/17/1999	0.098
DM D-54	S of Bldg 9	Downwind	08/17/1999	0.026
DM D-55	N of Bldg 9	Upwind	08/18/1999	0.102
DM D-56	S of Bldg 9	Downwind	08/18/1999	0.075
DM D-57	N of Bldg 9	Downwind	08/19/1999	0.031
DM D-58	S of Bldg 9	Upwind	08/19/1999	0.101
DM D-59	N of Bldg 9	Upwind	08/23/1999	0.038
DM D-60	S of Bldg 9	Downwind	08/23/1999	0.247
DM D-61	N of Bldg 9	Upwind	08/24/1999	0.019
DM D-62	S of Bldg 9	Downwind	08/24/1999	0.028

APPENDIX G

PCM AIR SAMPLE ANALYTICAL RESULTS

A summary of the analytical results of PCM air sample testing for asbestos taken during Phase II of the project are provided on the following pages. Analytical services were provided by:

Maxim Technologies
Empire Soils Investigations, Inc. Division
2415 North Triphammer Road
Ithaca, NY 14850

East Rome Business Park - Phase II				
Summary of PCM Air Sample Analytical Results				
Sample ID	Sample Date	Location	Type Sample	Result (f/cc)
1	12/14/1998	SE Bldg 9	Background	<0.004
2	12/14/1998	S Bldg 9	Background	<0.004
3	12/14/1998	SW Bldg 9	Background	<0.004
4	12/14/1998	SW Bldg 9	Background	<0.004
5	12/14/1998	SW Bldg 9	Background	<0.004
6	12/14/1998	NW Bldg 9	Background	<0.004
7	12/14/1998	N Bldg 9	Background	<0.004
8	12/14/1998	NE Bldg 9	Background	<0.004
9	12/14/1998	N Boilers	Background	<0.004
10	12/14/1998	W Boilers	Background	<0.004
11	12/14/1998	Field Blank	Background	ND
12	12/14/1998	Field Blank	Background	ND
13	12/15/1998	Ambient	Pre-Abatement	<0.003
14	12/15/1998	N Center Bldg 9	Pre-Abatement	<0.003
15	12/15/1998	Perimeter Bldg 9 N	Pre-Abatement	<0.003
16	12/15/1998	Field Blank	Pre-Abatement	ND
17	12/15/1998	Field Blank	Pre-Abatement	ND
18	12/15/1998	Permeter Bldg 9 S	Pre-Abatement	<0.003
19	12/16/1998	Blgd 9 N	Pre-Abatement	0.006
20	12/16/1998	Bldg 9 S	Pre-Abatement	0.023
21	12/16/1998	Perimeter Bldg 9 N	Pre-Abatement	<0.003
22	12/16/1998	Perimeter Bldg 9 S	Pre-Abatement	<0.003
23	12/16/1998	Ambient	Pre-Abatement	<0.003
24	12/16/1998	Field Blank	Pre-Abatement	ND
25	12/16/1998	Field Blank	Pre-Abatement	ND
26	12/17/1998	N of Boilers	Monitoring	<0.004
27	12/17/1998	S section of Bldg 9	Monitoring	0.035
28	12/17/1998	Perimeter Bldg 9 N	Monitoring	<0.004
29	12/17/1998	Perimeter Bldg 9 S	Monitoring	<0.004
30	12/17/1998	Ambient	Monitoring	<0.004
31	12/17/1998	Field Blank	Monitoring	ND
32	12/17/1998	Field Blank	Monitoring	ND
33	12/18/1998	Center WA	Monitoring	Overloaded
34	12/18/1998	Critical Barrier N	Monitoring	<0.003
35	12/18/1998	Critical Barrier W	Monitoring	<0.003
36	12/18/1998	HEPA 1 Exhaust	Monitoring	0.008
37	12/18/1998	HEPA 2 Exhaust	Monitoring	0.005
38	12/18/1998	HEPA 3 Exhaust	Monitoring	<0.003
39	12/18/1998	HEPA 4 Exhaust	Monitoring	<0.003
40	12/18/1998	HEPA 5 Exhaust	Monitoring	<0.003
41	12/18/1998	Decon Entry	Monitoring	0.006
42	12/18/1998	Ambient	Monitoring	<0.003
43	12/18/1998	Field Blank	Monitoring	ND
44	12/18/1998	Field Blank	Monitoring	ND
45	12/21/1998	Bldg 9 S, NE ISWA	Clearance	<0.004
46	12/21/1998	Bldg 9 S, NW ISWA	Clearance	<0.004
47	12/21/1998	Bldg 9 S, Center ISWA	Clearance	<0.004
48	12/21/1998	Bldg 9 S, SE ISWA	Clearance	<0.004
49	12/21/1998	Bldg 9 S, SW ISWA	Clearance	<0.004
50	12/21/1998	Bldg 9 S, NE OSWA	Clearance	<0.004
51	12/21/1998	Bldg 9 S, SE OSWA	Clearance	<0.004

East Rome Business Park - Phase II				
Summary of PCM Air Sample Analytical Results				
52	12/21/1998	Bldg 9 Center OSWA	Clearance	<0.004
53	12/21/1998	Bldg 9 S, SW OSWA	Clearance	<0.004
54	12/21/1998	Bldg 9 S, NW OSWA	Clearance	<0.004
55	12/21/1998	Field Blank	Clearance	ND
56	12/21/1998	Field Blank	Clearance	ND
57	12/21/1998	Ambient	Pre-Abatement	<0.003
58	12/21/1998	Bldg 9 NE	Pre-Abatement	<0.003
59	12/21/1998	Perimeter Bldg 9 N	Pre-Abatement	<0.003
60	12/21/1998	Perimeter Bldg 9 S	Pre-Abatement	0.007
61	12/21/1998	Decon Entry	Pre-Abatement	<0.003
62	12/21/1998	HEPA Exhaust	Pre-Abatement	<0.003
63	12/21/1998	Field Blank	Pre-Abatement	ND
64	12/21/1998	Field Blank	Pre-Abatement	ND
65	12/22/1998	Ambient	Pre-Abatement	<0.003
66	12/22/1998	NE Bldg 9	Pre-Abatement	0.005
67	12/22/1998	Perimeter Bldg 9 S	Pre-Abatement	<0.002
68	12/22/1998	Perimeter Bldg 9 N	Pre-Abatement	<0.002
69	12/22/1998	Decon Entry	Pre-Abatement	0.007
70	12/22/1998	Field Blank	Pre-Abatement	ND
71	12/22/1998	Field Blank	Pre-Abatement	ND
72	12/23/1998	Ambient	Monitoring	<0.003
73	12/23/1998	Boilers N	Monitoring	0.009
74	12/23/1998	Perimeter Bldg 9 N	Monitoring	<0.004
75	12/23/1998	Perimeter Bldg 9 S	Monitoring	<0.004
76	12/23/1998	Decon Entry	Monitoring	0.015
77	12/23/1998	HEPA Exh W1	Monitoring	<0.006
78	12/23/1998	HEPA Exh W2	Monitoring	<0.004
79	12/23/1998	HEPA Exh W3	Monitoring	<0.006
80	12/23/1998	HEPA Exh E3	Monitoring	<0.003
81	12/23/1998	HEPA Exh E2	Monitoring	<0.003
82	12/23/1998	HEPA Exh E1	Monitoring	<0.003
83	12/23/1998	Field Blank	Monitoring	ND
84	12/23/1998	Field Blank	Monitoring	ND
85	12/24/1998	Ambient	Monitoring	<0.003
86	12/24/1998	Perimeter Bldg 9 N	Monitoring	<0.003
87	12/24/1998	Perimeter Bldg 9 S	Monitoring	<0.003
88	12/24/1998	Boiler N	Monitoring	<0.003
89	12/24/1998	Decon Entry	Monitoring	<0.003
90	12/24/1998	HEPA Exh W1	Monitoring	<0.006
91	12/24/1998	HEPA exh W2	Monitoring	<0.006
92	12/24/1998	HEPA Exh W3	Monitoring	<0.006
93	12/24/1998	HEPA Exh E3	Monitoring	<0.006
94	12/24/1998	HEPA Exh E2	Monitoring	<0.006
95	12/24/1998	HEPA Exh E1	Monitoring	<0.006
96	12/24/1998	Field Blank	Monitoring	ND
97	12/24/1999	Field Blank	Monitoring	ND
98	12/28/1998	Ambient	Monitoring	<0.003
99	12/28/1998	N of Boilers	Monitoring	Overloaded
100	12/28/1998	Perimeter Bldg 9 N	Monitoring	<0.003
101	12/28/1998	Perimeter Bldg 9 S	Monitoring	0.006
102	12/28/1998	Decon Entry	Monitoring	0.009
103	12/28/1998	HEPA Exh W1	Monitoring	<0.003
104	12/28/1998	HEPA exh W2	Monitoring	<0.003
105	12/28/1998	HEPA Exh W3	Monitoring	<0.003

East Rome Business Park - Phase II				
Summary of PCM Air Sample Analytical Results				
106	12/28/1998	HEPA Exh E3	Monitoring	<0.003
107	12/28/1998	HEPA Exh E2	Monitoring	<0.002
108	12/28/1998	HEPA Exh E1	Monitoring	<0.002
109	12/28/1998	Field Blank	Monitoring	ND
110	12/28/1998	Field Blank	Monitoring	ND
111	12/29/1998	Ambient	Monitoring	<0.006
112	12/29/1998	Perimeter E Tunnel B	Monitoring	<0.006
113	12/29/1998	Perimeter W Tunnel B	Monitoring	<0.006
114	12/29/1998	Decon Entry	Monitoring	0.061
115	12/29/1998	N End Tunnel B	Monitoring	0.013
116	12/29/1998	Field Blank	Monitoring	ND
117	12/29/1998	Field Blank	Monitoring	ND
118	12/29/1998	Ambient	Monitoring	<0.003
119	12/29/1998	Decon Entry	Monitoring	0.024
120	12/29/1998	NW of Boilers	Monitoring	0.007
121	12/29/1998	Perimeter Bldg 9 N	Monitoring	<0.004
122	12/29/1998	Perimeter Bldg 9 S	Monitoring	<0.004
123	12/29/1998	HEPA Exh W1	Monitoring	<0.006
124	12/29/1998	HEPA exh W2	Monitoring	<0.006
125	12/29/1998	HEPA Exh W3	Monitoring	<0.006
126	12/29/1998	HEPA Exh E3	Monitoring	<0.006
127	12/29/1998	HEPA Exh E2	Monitoring	<0.005
128	12/29/1998	HEPA Exh E1	Monitoring	<0.005
129	12/29/1998	Field Blank	Monitoring	ND
130	12/29/1998	Field Blank	Monitoring	ND
131	12/30/1998	Ambient	Monitoring	<0.003
132	12/30/1998	SW Tunnel A	Monitoring	<0.002
133	12/30/1998	Perimeter S Tunnel A	Monitoring	<0.002
134	12/30/1998	Perimeter N Tunnel A	Monitoring	<0.002
135	12/30/1998	Decon Entry	Monitoring	<0.003
136	12/30/1998	Field Blank	Monitoring	ND
137	12/30/1998	Field Blank	Monitoring	ND
138	12/31/1998	Ambient	Monitoring	<0.014
139	12/31/1998	NE of Boilers	Monitoring	0.021
140	12/31/1998	Perimeter Bldg 9 S	Monitoring	<0.01
141	12/31/1998	Perimeter Bldg 9 N	Monitoring	<0.009
142	12/31/1998	Decon Entry	Monitoring	<0.006
143	12/31/1998	HEPA Exh W1	Monitoring	<0.009
144	12/31/1998	HEPA exh W2	Monitoring	<0.009
145	12/31/1998	HEPA Exh W3	Monitoring	<0.009
146	12/31/1998	HEPA Exh E3	Monitoring	<0.009
147	12/31/1998	HEPA Exh E2	Monitoring	<0.007
148	12/31/1998	HEPA Exh E1	Monitoring	<0.007
149	12/31/1998	Field Blank	Monitoring	ND
150	12/31/1998	Field Blank	Monitoring	ND
151	01/11/1999	Ambient	Monitoring	<0.004
152	01/11/1999	N of Boilers	Monitoring	0.107
153	01/11/1999	Perimeter Bldg 9 N	Monitoring	<0.004
154	01/11/1999	Perimeter Bldg 9 S	Monitoring	<0.004
155	01/11/1999	Field Blank	Monitoring	ND
156	01/11/1999	Field Blank	Monitoring	ND
157	01/11/1999	HEPA Exh W1	Monitoring	<0.005
158	01/11/1999	HEPA exh W2	Monitoring	<0.005
159	01/11/1999	HEPA Exh W3	Monitoring	<0.005

East Rome Business Park - Phase II				
Summary of PCM Air Sample Analytical Results				
160	01/11/1999	HEPA Exh E3	Monitoring	<0.005
161	01/11/1999	HEPA Exh E2	Monitoring	<0.004
162	01/11/1999	HEPA Exh E1	Monitoring	<0.004
163	01/12/1999	Ambient	Monitoring	<0.003
164	01/12/1999	N of Boilers	Monitoring	0.025
165	01/12/1999	Perimeter Bldg 9 N	Monitoring	<0.003
166	01/12/1999	Perimeter Bldg 9 S	Monitoring	<0.003
167	01/12/1999	Decon Entry	Monitoring	<0.014
168	01/12/1999	HEPA Exh W1	Monitoring	<0.003
169	01/12/1999	HEPA exh W2	Monitoring	<0.003
170	01/12/1999	HEPA Exh W3	Monitoring	<0.003
171	01/12/1999	HEPA Exh E3	Monitoring	<0.003
172	01/12/1999	HEPA Exh E2	Monitoring	<0.003
173	01/12/1999	HEPA Exh E1	Monitoring	<0.003
174	01/12/1999	Field Blank	Monitoring	ND
175	01/12/1999	Field Blank	Monitoring	ND
176	01/20/1999	Ambient	Monitoring	<0.005
177	01/20/1999	Perimeter SW of Pile	Monitoring	<0.004
178	01/20/1999	Perimeter SE of Pile	Monitoring	<0.004
179	01/20/1999	Perimeter N of Pile	Monitoring	<0.004
180	01/20/1999	Field Blank	Monitoring	ND
181	01/20/1999	Field Blank	Monitoring	ND
182	01/21/1999	Ambient	Monitoring	<0.003
183	01/21/1999	Perimeter SW of Pile	Monitoring	<0.003
184	01/21/1999	Perimeter SE of Pile	Monitoring	<0.003
185	01/21/1999	Perimeter N of Pile	Monitoring	<0.003
186	01/21/1999	Field Blank	Monitoring	ND
187	01/21/1999	Field Blank	Monitoring	ND
188	03/11/1999	Ambient	Pre-Abatement	<0.003
189	03/11/1999	Perimeter SW Bldg 9	Pre-Abatement	<0.004
190	03/11/1999	Perimeter N Bldg 9	Pre-Abatement	<0.005
191	03/11/1999	Decon Entry	Pre-Abatement	0.014
192	03/11/1999	Center Bldg 9	Pre-Abatement	0.020
193	03/11/1999	HEPA Exh	Pre-Abatement	<0.004
194	03/11/1999	HEPA Exh	Pre-Abatement	<0.004
195	03/11/1999	Field Blank	Pre-Abatement	ND
196	03/11/1999	Field Blank	Pre-Abatement	ND
197	03/15/1999	Ambient	Monitoring	<0.002
198	03/15/1999	Perimeter S Bldg 9	Monitoring	<0.004
199	03/15/1999	Perimeter N Bldg 9	Monitoring	<0.004
200	03/15/1999	N of Boiler 1	Monitoring	0.009
201	03/15/1999	HEPA Exh E	Monitoring	<0.003
202	03/15/1999	HEPA Exh W	Monitoring	<0.003
203	03/15/1999	Decon Entry	Monitoring	0.015
204	03/15/1999	Field Blank	Monitoring	ND
205	03/15/1999	Field Blank	Monitoring	ND
206	03/16/1999	Ambient	Monitoring	<0.004
207	03/16/1999	Perimeter S Bldg 9	Monitoring	<0.003
208	03/16/1999	Perimeter N Bldg 9	Monitoring	<0.003
209	03/16/1999	Center WA	Monitoring	0.003
210	03/16/1999	Decon Entry	Monitoring	<0.003
211	03/16/1999	HEPA Exh	Monitoring	<0.003
212	03/16/1999	HEPA Exh	Monitoring	<0.003
213	03/16/1999	Field Blank	Monitoring	ND

East Rome Business Park - Phase II				
Summary of PCM Air Sample Analytical Results				
214	03/16/1999	Field Blank	Monitoring	ND
215	03/17/1999	Ambient	Monitoring	<0.003
216	03/17/1999	Perimeter S Bldg 9	Monitoring	<0.003
217	03/17/1999	Perimeter N Bldg 9	Monitoring	<0.003
218	03/17/1999	Center WA	Monitoring	<0.003
219	03/17/1999	Decon Entry	Monitoring	0.007
220	03/17/1999	HEPA Exh	Monitoring	<0.002
221	03/17/1999	HEPA Exh	Monitoring	<0.002
222	03/17/1999	Field Blank	Monitoring	ND
223	03/17/1999	Field Blank	Monitoring	ND
224	03/18/1999	Ambient	Monitoring	<0.004
225	03/18/1999	Perimeter S Bldg 9	Monitoring	<0.004
226	03/18/1999	Perimeter N Bldg 9	Monitoring	<0.004
227	03/18/1999	Center WA	Monitoring	<0.004
229	03/18/1999	HEPA Exh	Monitoring	<0.003
230	03/18/1999	HEPA Exh	Monitoring	<0.003
231	03/18/1999	Field Blank	Monitoring	ND
232	03/18/1999	Field Blank	Monitoring	ND
233	04/01/1999	SW Corner Below Slab	Background	<0.003
234	04/01/1999	Center S Below Slab	Background	0.006
235	04/01/1999	SE Corner Below Slab	Background	0.007
236	04/01/1999	NW Corner Below Slab	Background	0.010
237	04/01/1999	NE Corner Below Slab	Background	0.008
238	04/01/1999	SW of Crawl Space	Background	<0.004
239	04/01/1999	S of Crawl Space	Background	<0.004
240	04/01/1999	E of Crawl Space	Background	<0.004
241	04/01/1999	N of Crawl Space	Background	<0.004
242	04/01/1999	W of Crawl Space	Background	<0.004
243	04/01/1999		Background	ND
244	04/01/1999		Background	ND
245	04/02/1999	Center Below Slab	Monitoring	<0.010
246	04/02/1999	Ambient	Monitoring	<0.003
247	04/02/1999	Perimeter W of WA	Monitoring	<0.005
248	04/02/1999	Perimeter E of WA	Monitoring	<0.003
249	04/02/1999	Decon Entry	Monitoring	0.004
250	04/02/1999	Field Blank	Monitoring	ND
251	04/02/1999	Field Blank	Monitoring	ND
252	04/02/1999	HEPA Exh	Monitoring	<0.004
253	04/06/1999	SW Below Slab ISWA	Clearance	<0.004
254	04/06/1999	SE Below Slab ISWA	Clearance	<0.004
255	04/06/1999	NW Below Slab ISWA	Clearance	0.004
256	04/06/1999	N Ctr Below Slab ISWA	Clearance	<0.004
257	04/06/1999	NE Below Slab ISWA	Clearance	<0.004
258	04/06/1999	NE Below Clab OSWA	Clearance	<0.003
259	04/06/1999	NW Below Slab OSWA	Clearance	<0.003
260	04/06/1999	W Below Slab OSWA	Clearance	<0.003
261	04/06/1999	S Ctr Below Slab OSWA	Clearance	<0.003
262	04/06/1999	E Below Slab OSWA	Clearance	0.004
263	04/06/1999	Field Blank	Clearance	ND
264	04/06/1999	Field Blank	Clearance	ND
265	06/21/1999	Ambient	Monitoring	<0.008
266	06/21/1999	Decon Entry	Monitoring	0.009
267	06/21/1999	Perimeter N Bldg 9	Monitoring	<0.008
268	06/21/1999	Perimeter W Bldg 9	Monitoring	<0.008

East Rome Business Park - Phase II				
Summary of PCM Air Sample Analytical Results				
269	06/21/1999	Perimeter S Bldg 9	Monitoring	<0.008
270	06/21/1999	Center WA	Monitoring	0.009
272	06/21/1999	Field Blank	Monitoring	ND
273	06/21/1999	Field Blank	Monitoring	ND
274	06/22/1999	Ambient	Monitoring	<0.003
275	06/22/1999	Decon Entry	Monitoring	0.004
276	06/22/1999	Perimeter N Bldg 9	Monitoring	<0.003
277	06/22/1999	Perimeter W Bldg 9	Monitoring	<0.003
278	06/22/1999	Perimeter S Bldg 9	Monitoring	<0.003
279	06/22/1999	Center WA	Monitoring	0.003
281	06/22/1999	Field Blank	Monitoring	ND
282	06/22/1999	Field Blank	Monitoring	ND
283	06/23/1999	Ambient	Monitoring	<0.003
284	06/23/1999	Decon Entry	Monitoring	<0.003
285	06/23/1999	Perimeter N Bldg 9	Monitoring	<0.003
286	06/23/1999	Perimeter W Bldg 9	Monitoring	<0.003
287	06/23/1999	Perimeter S Bldg 9	Monitoring	<0.003
288	06/23/1999	Center WA	Monitoring	0.007
290	06/23/1999	Field Blank	Monitoring	ND
291	06/23/1999	Field Blank	Monitoring	ND
292	06/24/1999	Ambient	Monitoring	<0.003
293	06/24/1999	Decon Entry	Monitoring	<0.003
294	06/24/1999	Perimeter N Bldg 9	Monitoring	<0.003
295	06/24/1999	Perimeter W Bldg 9	Monitoring	<0.003
296	06/24/1999	Perimeter S Bldg 9	Monitoring	<0.003
297	06/24/1999	Center WA	Monitoring	<0.003
299	06/24/1999	Field Blank	Monitoring	ND
300	06/24/1999	Field Blank	Monitoring	ND
301	06/28/1999	Ambient	Monitoring	<0.003
302	06/28/1999	Decon Entry	Monitoring	<0.003
303	06/28/1999	Perimeter N Bldg 9	Monitoring	<0.003
304	06/28/1999	Perimeter W Bldg 9	Monitoring	<0.003
305	06/28/1999	Perimeter S Bldg 9	Monitoring	<0.003
306	06/28/1999	Center WA	Monitoring	<0.003
308	06/28/1999	Field Blank	Monitoring	ND
309	06/28/1999	Field Blank	Monitoring	ND
310	06/29/1999	Ambient	Monitoring	<0.003
311	06/29/1999	Decon Entry	Monitoring	0.004
312	06/29/1999	Perimeter N Bldg 9	Monitoring	<0.003
313	06/29/1999	Perimeter W Bldg 9	Monitoring	<0.003
314	06/29/1999	Perimeter S Bldg 9	Monitoring	<0.003
315	06/29/1999	Center WA	Monitoring	<0.003
317	06/29/1999	Field Blank	Monitoring	ND
318	06/29/1999	Field Blank	Monitoring	ND
319	06/30/1999	Ambient	Monitoring	<0.003
320	06/30/1999	Decon Entry	Monitoring	0.004
321	06/30/1999	Perimeter N Bldg 9	Monitoring	<0.003
322	06/30/1999	Perimeter W Bldg 9	Monitoring	<0.003
323	06/30/1999	Perimeter S Bldg 9	Monitoring	<0.003
324	06/30/1999	Center WA	Monitoring	<0.004
326	06/30/1999	Field Blank	Monitoring	ND
327	06/30/1999	Field Blank	Monitoring	ND
328	07/01/1999	Ambient	Monitoring	<0.003
329	07/01/1999	Decon Entry	Monitoring	<0.003

East Rome Business Park - Phase II				
Summary of PCM Air Sample Analytical Results				
330	07/01/1999	Perimeter N Bldg 9	Monitoring	<0.003
331	07/01/1999	Perimeter W Bldg 9	Monitoring	<0.003
332	07/01/1999	Perimeter S Bldg 9	Monitoring	<0.003
333	07/01/1999	Center WA	Monitoring	<0.003
335	07/01/1999	Field Blank	Monitoring	ND
336	07/01/1999	Field Blank	Monitoring	ND
337	07/02/1999	Ambient	Monitoring	<0.005
338	07/02/1999	Decon Entry	Monitoring	<0.005
339	07/02/1999	Perimeter N Bldg 9	Monitoring	<0.005
340	07/02/1999	Perimeter W Bldg 9	Monitoring	<0.005
341	07/02/1999	Perimeter S Bldg 9	Monitoring	<0.005
342	07/02/1999	Center WA	Monitoring	<0.005
344	07/02/1999	Field Blank	Monitoring	ND
345	07/02/1999	Field Blank	Monitoring	ND
346	07/06/1999	Ambient	Monitoring	<0.004
347	07/06/1999	Decon Entry	Monitoring	0.006
348	07/06/1999	Perimeter N Bldg 9	Monitoring	<0.004
349	07/06/1999	Perimeter W Bldg 9	Monitoring	<0.004
350	07/06/1999	Perimeter S Bldg 9	Monitoring	<0.004
351	07/06/1999	Center WA	Monitoring	<0.004
353	07/06/1999	Field Blank	Monitoring	ND
354	07/06/1999	Field Blank	Monitoring	ND
355	07/07/1999	Ambient	Monitoring	<0.003
356	07/07/1999	Decon Entry	Monitoring	0.006
357	07/07/1999	Perimeter N Bldg 9	Monitoring	0.004
358	07/07/1999	Perimeter W Bldg 9	Monitoring	<0.003
359	07/07/1999	Perimeter S Bldg 9	Monitoring	<0.003
360	07/07/1999	Center WA	Monitoring	<0.003
362	07/07/1999	Field Blank	Monitoring	ND
363	07/07/1999	Field Blank	Monitoring	ND
364	07/08/1999	Ambient	Monitoring	<0.003
365	07/08/1999	Decon Entry	Monitoring	0.004
366	07/08/1999	Perimeter N Bldg 9	Monitoring	<0.003
367	07/08/1999	Perimeter W Bldg 9	Monitoring	<0.003
368	07/08/1999	Perimeter S Bldg 9	Monitoring	<0.003
369	07/08/1999	Center WA	Monitoring	<0.003
371	07/08/1999	Field Blank	Monitoring	ND
372	07/08/1999	Field Blank	Monitoring	ND
373	07/09/1999	Ambient	Monitoring	<0.003
374	07/09/1999	Decon Entry	Monitoring	<0.003
375	07/09/1999	Perimeter N Bldg 9	Monitoring	0.003
376	07/09/1999	Perimeter W Bldg 9	Monitoring	<0.003
377	07/09/1999	Perimeter S Bldg 9	Monitoring	<0.003
378	07/09/1999	Center WA	Monitoring	<0.003
380	07/09/1999	Field Blank	Monitoring	ND
381	07/09/1999	Field Blank	Monitoring	ND
382	07/12/1999	Ambient	Monitoring	<0.004
383	07/12/1999	Decon Entry	Monitoring	<0.004
384	07/12/1999	Perimeter N Bldg 9	Monitoring	<0.004
385	07/12/1999	Perimeter W Bldg 9	Monitoring	<0.004
386	07/12/1999	Perimeter S Bldg 9	Monitoring	<0.004
387	07/12/1999	Center WA	Monitoring	0.006
389	07/12/1999	Field Blank	Monitoring	ND
390	07/12/1999	Field Blank	Monitoring	ND

East Rome Business Park - Phase II				
Summary of PCM Air Sample Analytical Results				
391	07/13/1999	Ambient	Monitoring	<0.003
392	07/13/1999	Decon Entry	Monitoring	<0.003
393	07/13/1999	Perimeter N Bldg 9	Monitoring	<0.003
394	07/13/1999	Perimeter W Bldg 9	Monitoring	<0.003
395	07/13/1999	Perimeter S Bldg 9	Monitoring	<0.003
396	07/13/1999	Center WA	Monitoring	<0.003
398	07/13/1999	Field Blank	Monitoring	ND
399	07/13/1999	Field Blank	Monitoring	ND
400	07/14/1999	Ambient	Monitoring	<0.003
401	07/14/1999	Decon Entry	Monitoring	<0.003
402	07/14/1999	Perimeter N Bldg 9	Monitoring	<0.003
403	07/14/1999	Perimeter W Bldg 9	Monitoring	<0.003
404	07/14/1999	Perimeter S Bldg 9	Monitoring	<0.003
405	07/14/1999	Center WA	Monitoring	<0.003
407	07/14/1999	Field Blank	Monitoring	ND
408	07/14/1999	Field Blank	Monitoring	ND
409	08/02/1999	Ambient	Monitoring	<0.004
410	08/02/1999	Decon Entry	Monitoring	<0.004
411	08/02/1999	Perimeter N Bldg 9	Monitoring	<0.004
412	08/02/1999	Perimeter W Bldg 9	Monitoring	<0.004
413	08/02/1999	Perimeter S Bldg 9	Monitoring	<0.004
414	08/02/1999	Center WA	Monitoring	<0.004
416	08/02/1999	Field Blank	Monitoring	ND
417	08/02/1999	Field Blank	Monitoring	ND
418	08/03/1999	Ambient	Monitoring	<0.003
419	08/03/1999	Decon Entry	Monitoring	<0.003
420	08/03/1999	Perimeter N Bldg 9	Monitoring	<0.003
421	08/03/1999	Perimeter W Bldg 9	Monitoring	<0.003
422	08/03/1999	Perimeter S Bldg 9	Monitoring	<0.003
423	08/03/1999	Center WA	Monitoring	<0.003
425	08/03/1999	Field Blank	Monitoring	ND
426	08/03/1999	Field Blank	Monitoring	ND
427	08/04/1999	Ambient	Monitoring	<0.003
428	08/04/1999	Decon Entry	Monitoring	<0.004
429	08/04/1999	Perimeter N Bldg 9	Monitoring	<0.006
430	08/04/1999	Perimeter W Bldg 9	Monitoring	<0.004
431	08/04/1999	Perimeter S Bldg 9	Monitoring	<0.004
432	08/04/1999	Center WA	Monitoring	<0.006
434	08/04/1999	Field Blank	Monitoring	ND
435	08/04/1999	Field Blank	Monitoring	ND
436	08/05/1999	Ambient	Monitoring	<0.003
437	08/05/1999	Decon Entry	Monitoring	<0.003
438	08/05/1999	Perimeter N Bldg 9	Monitoring	<0.005
439	08/05/1999	Perimeter W Bldg 9	Monitoring	<0.003
440	08/05/1999	Perimeter S Bldg 9	Monitoring	<0.003
441	08/05/1999	Center WA	Monitoring	<0.005
443	08/05/1999	Field Blank	Monitoring	ND
444	08/05/1999	Field Blank	Monitoring	ND
445	08/09/1999	Ambient	Monitoring	<0.003
446	08/09/1999	Decon Entry	Monitoring	<0.003
447	08/09/1999	Perimeter N Bldg 9	Monitoring	<0.005
448	08/09/1999	Perimeter W Bldg 9	Monitoring	<0.003
449	08/09/1999	Perimeter S Bldg 9	Monitoring	<0.003
450	08/09/1999	Center WA	Monitoring	<0.005

East Rome Business Park - Phase II				
Summary of PCM Air Sample Analytical Results				
452	08/09/1999	Field Blank	Monitoring	ND
453	08/09/1999	Field Blank	Monitoring	ND
454	08/10/1999	Ambient	Monitoring	<0.004
455	08/10/1999	Decon Entry	Monitoring	<0.004
456	08/10/1999	Perimeter N Bldg 9	Monitoring	<0.006
457	08/10/1999	Perimeter W Bldg 9	Monitoring	<0.004
458	08/10/1999	Perimeter S Bldg 9	Monitoring	<0.004
459	08/10/1999	Center WA	Monitoring	<0.006
461	08/10/1999	Field Blank	Monitoring	ND
462	08/10/1999	Field Blank	Monitoring	ND
463	08/11/1999	Ambient	Monitoring	<0.004
464	08/11/1999	Decon Entry	Monitoring	<0.004
465	08/11/1999	Perimeter N Bldg 9	Monitoring	<0.006
466	08/11/1999	Perimeter W Bldg 9	Monitoring	<0.004
467	08/11/1999	Perimeter S Bldg 9	Monitoring	<0.004
468	08/11/1999	Center WA	Monitoring	<0.006
470	08/11/1999	Field Blank	Monitoring	ND
471	08/11/1999	Field Blank	Monitoring	ND
472	08/12/1999	Ambient	Monitoring	<0.005
473	08/12/1999	Decon Entry	Monitoring	<0.003
474	08/12/1999	Perimeter N Bldg 9	Monitoring	<0.005
475	08/12/1999	Perimeter W Bldg 9	Monitoring	<0.003
476	08/12/1999	Perimeter S Bldg 9	Monitoring	<0.003
477	08/12/1999	Center WA	Monitoring	<0.005
479	08/12/1999	Field Blank	Monitoring	ND
480	08/12/1999	Field Blank	Monitoring	ND
481	08/16/1999	Ambient	Monitoring	<0.004
482	08/16/1999	Decon Entry	Monitoring	<0.004
483	08/16/1999	Perimeter N Bldg 9	Monitoring	<0.006
484	08/16/1999	Perimeter W Bldg 9	Monitoring	<0.004
485	08/16/1999	Perimeter S Bldg 9	Monitoring	<0.004
486	08/16/1999	Center WA	Monitoring	<0.006
487	08/16/1999	Field Blank	Monitoring	ND
488	08/16/1999	Field Blank	Monitoring	ND
490	08/17/1999	Ambient	Monitoring	<0.006
491	08/17/1999	Decon Entry	Monitoring	Overloaded
492	08/17/1999	Perimeter N Bldg 9	Monitoring	<0.006
493	08/17/1999	Perimeter W Bldg 9	Monitoring	<0.005
494	08/17/1999	Perimeter S Bldg 9	Monitoring	<0.005
495	08/17/1999	Center WA	Monitoring	<0.005
497	08/17/1999	Field Blank	Monitoring	ND
498	08/17/1999	Field Blank	Monitoring	ND
499	08/18/1999	Ambient	Monitoring	<0.003
500	08/18/1999	Decon Entry	Monitoring	<0.003
501	08/18/1999	Perimeter N Bldg 9	Monitoring	<0.004
502	08/18/1999	Perimeter W Bldg 9	Monitoring	<0.003
503	08/18/1999	Perimeter S Bldg 9	Monitoring	<0.003
504	08/18/1999	Center WA	Monitoring	<0.004
506	08/18/1999	Field Blank	Monitoring	ND
507	08/18/1999	Field Blank	Monitoring	ND
508	08/19/1999	Ambient	Monitoring	<0.004
509	08/19/1999	Decon Entry	Monitoring	0.005
510	08/19/1999	Perimeter N Bldg 9	Monitoring	<0.005
511	08/19/1999	Perimeter W Bldg 9	Monitoring	<0.004

East Rome Business Park - Phase II				
Summary of PCM Air Sample Analytical Results				
512	08/19/1999	Perimeter S Bldg 9	Monitoring	<0.004
513	08/19/1999	Center WA	Monitoring	0.005
515	08/19/1999	Field Blank	Monitoring	ND
526	08/19/1999	Field Blank	Monitoring	ND
517	08/23/1999	Ambient	Monitoring	<0.003
518	08/23/1999	Decon Entry	Monitoring	<0.003
519	08/23/1999	Perimeter N Bldg 9	Monitoring	<0.005
520	08/23/1999	Perimeter W Bldg 9	Monitoring	<0.003
521	08/23/1999	Perimeter S Bldg 9	Monitoring	<0.003
522	08/23/1999	Center WA	Monitoring	<0.004
524	08/23/1999	Field Blank	Monitoring	ND
525	08/23/1999	Field Blank	Monitoring	ND
526	08/24/1999	Ambient	Monitoring	<0.003
527	08/24/1999	Decon Entry	Monitoring	<0.003
528	08/24/1999	Perimeter N Bldg 9	Monitoring	<0.005
529	08/24/1999	Perimeter W Bldg 9	Monitoring	<0.003
530	08/24/1999	Perimeter S Bldg 9	Monitoring	<0.003
531	08/24/1999	Center WA	Monitoring	<0.003
533	08/24/1999	Field Blank	Monitoring	ND
534	08/24/1999	Field Blank	Monitoring	ND
535	08/25/1999	Ambient	Monitoring	0.005
536	08/25/1999	Decon Entry	Monitoring	<0.004
537	08/25/1999	Perimeter N Bldg 9	Monitoring	<0.005
538	08/25/1999	Perimeter W Bldg 9	Monitoring	<0.004
539	08/25/1999	Perimeter S Bldg 9	Monitoring	<0.004
540	08/25/1999	Center WA	Monitoring	<0.004
542	08/25/1999	Field Blank	Monitoring	ND
543	08/25/1999	Field Blank	Monitoring	ND
544	08/26/1999	NW Bldg 9 OSWA	Clearance	<0.004
545	08/26/1999	NE Bldg 9 OSWA	Clearance	<0.004
546	08/26/1999	NW Bldg 9 ISWA	Clearance	<0.004
547	08/26/1999	NE Bldg 9 ISWA	Clearance	<0.004
548	08/26/1999	SW Bldg 9 ISWA	Clearance	<0.004
549	08/26/1999	S Ctr Bldg 9 ISWA	Clearance	<0.004
550	08/26/1999	SE Bldg 9 ISWA	Clearance	<0.004
551	08/26/1999	SW Bldg 9 OSWA	Clearance	<0.004
552	08/26/1999	S ctr Bldg 9 OSWA	Clearance	<0.004
553	08/26/1999	SE Bldg 9 OSWA	Clearance	<0.004
554	08/26/1999	Field Blank	Clearance	ND
555	08/26/1999	Field Blank	Clearance	ND

APPENDIX H

CHRONOLOGICAL RECAP OF PROJECT ACTIVITIES

A brief chronological recap of project activities is provided on the following pages.

East Rome Business Park - Phase II
Chronological Recap of Project Activities

Date	Day	Activity
3/1	Mon	No activity
3/2	Tue	No activity
3/3	Wed	Project Meeting
3/4	Thur	Pump bldg 9 basement Water treatment equipment arrives
3/5	Fri	No activity
3/6	Sat	No work
3/7	Sun	No work
3/8	Mon	Abatement contractor mobilizes Pumping bldg 9 basement
3/9	Tue	Pre-abatement bldg 9 Backfill storm line E
3/10	Wed	Pre-abatement bldg 9 Backfill tunnel C
3/11	Thur	Bldg 9 abatement
3/12	Fri	No work
3/13	Sat	No work
3/14	Sun	No work
3/15	Mon	Pump bldg 9 basement Found tank #3 Bldg 9 abatement
3/16	Tue	Bldg 9 abatement Build water treatment system
3/17	Wed	Bldg 9 abatement Backfill fuel line A excavation Pumping bldg 9 basement
3/18	Thur	Bldg 9 abatement
3/19	Fri	No work
3/20	Sat	No work
3/21	Sun	No work
3/22	Mon	No work Asbestos work stoppage
3/23	Tue	Remove stockpiled soils
3/24	Wed	Excavation in Area B
3/25	Thur	Excavation in Area B Clean Tunnels C & D
3/26	Fri	No work
3/27	Sat	No work
3/28	Sun	No work
3/29	Mon	Haul stockpiled soils Excavate storm lines G & H
3/30	Tue	Haul stockpiled soils
3/31	Wed	
4/1	Thur	Clean tunnels A & B Demobilize building 9
4/2	Fri	Clean tunnels A & B Remove ACM north of excavation D
4/3	Sat	No work
4/4	Sun	No work

Chronological Recap of Project Activities (Con't.)

4/5	Mon	Finish cleaning tunnel A Clean tunnel B Excavate 12K tank
4/6	Tue	Clearance north of excavation D Excavate 12K #2 Dispose of stockpiled soil from 12K tank #1
4/7	Wed	Excavate 20K tank #3 & dispose of soil
4/8	Thur	Excavate soil from Area B
4/9	Fri	No work
4/10	Sat	No work
4/11	Sun	No work
4/12	Mon	Haul soil from Excavation B Backfill tunnels A & B & Storm line E
4/13	Tue	Haul excavation B soil Excavate tank #4 Sampled water sources
4/14	Wed	Pump bldg 9 basement Backfill tunnels A & B & Storm line L Haul soil from excavation B
4/15	Thur	Haul concrete Complete backfilling Haul soil from excavation B
4/16	Fri	Perimeter security fences Sample Bldg 9 outfall
4/17	Sat	No work
4/18	Sun	No work
4/19	Mon	Drain oil from Xray machine Haul concrete
4/20	Tue	Project Meeting Discharge Baker Tank 1 Excavate Storm line E hot spot Sample bldg 9 outfall
4/21	Wed	Clear trees around bldg 39 Discharge Baker tanks 1 & 2
4/22	Thur	Excavate acid line Discharge Baker tank 3
4/23	Fri	No work
4/24	Sat	Buck - Monitor water level in bldg 9 basement
4/25	Sun	No work
4/26	Mon	Pump & excavate area D
4/27	Tue	Excavate area D hot spots Remove area D overburden
4/28	Wed	Pump excavation B Excavate area B
4/29	Thur	Pump bldg 9 basement Clear debris behind field trailer
4/30	Fri	No work
5/1	Sat	No work
5/2	Sun	No work
5/3	Mon	Haul soil from excavation B & storm line E Debris removal from bldg 53

Chronological Recap of Project Activities (Con't.)

5/4	Tue	Excavate control pool area B Pump area B to Baker tank 2
5/5	Wed	Excavate area B Pump area B to Baker tanks 1 & 2
5/6	Thur	Drain oil from Bldg 9 electrical devices Haul soil from area B
5/7	Fri	No work
5/8	Sat	No work
5/9	Sun	No work
5/10	Mon	Pump bldg 9 basement Haul soil from area B Back flush carbon cells
5/11	Tue	Monitoring bldg 9 basement recharge Re-plumb carbon system Project meeting
5/12	Wed	Empty 2 roll-off boxes Monitor water depth in bldg 9 basement
5/13	Thur	Pump bldg 9 basement Haul PCB contaminated soil from area D
5/14	Fri	No work
5/15	Sat	No work
5/16	Sun	No work
5/17	Mon	Excavate soil from area D in morning
5/18	Tue	Excavate soil from area D in morning
5/19	Wed	Label drums Treat water from Baker tank 2 Pump Canterbury storm line
5/20	Thur	Sample soil in area D Ship drums Pump Canterbury storm line
5/21	Fri	No work
5/22	Sat	No work
5/23	Sun	No work
5/24	Mon	Backfill north end of area D
5/25	Tue	Backfill west side of area D
5/26	Wed	Canterbury storm line investigation Backfill area B Project meeting
5/27	Thur	Re-plumb carbon cells Repair storm line D Clean storm line D
5/28	Fri	Repair storm line D
5/29	Sat	No work
5/30	Sun	No work
5/31	Mon	No work
6/1	Tue	No work
6/2	Wed	Project meeting
6/3	Thur	Sample area B water after treatment
6/4	Fri	No work
6/5	Sat	No work
6/6	Sun	No work

Chronological Recap of Project Activities (Con't.)

6/7	Mon	De-water & backfill area B
6/8	Tue	Prep to excavate hot spot in area D Backfill & compact area B
6/9	Wed	Haul non-haz soil from area B Treat Baker tank #2 water Stage sand backfill for area B
6/10	Thur	Backfill & compact test in area B Excavate hot spot in area D
6/11	Fri	No work
6/12	Sat	No work
6/13	Sun	No work
6/14	Mon	Re-grade storm line D repair Complete backfill area B
6/15	Tue	Backfill area D Set-up of decon
6/16	Wed	Backfill area D Set up decon Project meeting
6/17	Thur	Backfill area D Construct perimeter fencing
6/18	Fri	No work
6/19	Sat	No work
6/20	Sun	No work
6/21	Mon	Backfill area D Demo bldg 9
6/22	Tue	Demo bldg 9 Haul demo debris Backfill area D
6/23	Wed	Demo bldg 9 Haul demo debris Backfill area D
6/24	Thur	Backfill area D (Backhoe broke) Demo bldg 9 Haul demo debris
6/25	Fri	No work
6/26	Sat	No work
6/27	Sun	No work
6/28	Mon	Finish backhoe repair Demo bldg 9
6/29	Tue	Separate & rinse steel from bldg 9
6/30	Wed	Separate & rinse steel from bldg 9 Stage C&D debris Switched to bucket on backhoe
7/1	Thur	Hauled C&D Staged C&D
7/2	Fri	Hauled C&D
7/3	Sat	No work
7/4	Sun	No work
7/5	Mon	No work
7/6	Tue	Haul C&D Switched to shear on backhoe

Chronological Recap of Project Activities (Con't.)

7/7	Wed	Demo bldg 9 (boiler 1)
7/8	Thur	Re-plumb carbon cells Demo bldg 9 (boiler 2)
7/9	Fri	Sample Baker tanks 1 & 3 Demo bldg 9 (boiler 2)
7/10	Sat	Steel scrap processing
7/11	Sun	No work
7/12	Mon	Demo bldg 9 (boiler 3)
7/13	Tue	Demo completed Sorting debris
7/14	Wed	Stage & load scrap steel
7/15	Thur	Stage & ship scrap steel
7/16	Fri	No work
7/17	Sat	No work
7/18	Sun	No work
7/19	Mon	Stage & ship scrap steel
7/20	Tue	Stage & ship scrap steel
7/21	Wed	Site clean-up Treat water in Baker tank 3
7/22	Thur	Site clean-up Breaking up concrete
7/23	Fri	No work
7/24	Sat	No work
7/25	Sun	No work
7/26	Mon	Sort debris piles Chip wood debris Break up concrete Site clean-up
7/27	Tue	Stage & load scrap steel
7/28	Wed	Load scrap steel Break up concrete
7/29	Thur	Process debris Load scrap steel Switch to bucket
7/30	Fri	No work
7/31	Sat	No work
8/1	Sun	No work
8/2	Mon	Clean electrical vault Load scrap steel Break up concrete
8/3	Tue	Clean scrap steel Haul concrete
8/4	Wed	Haul concrete Load scrap steel
8/5	Thur	Load scrap steel Separate debris
8/6	Fri	No work
8/7	Sat	No work
8/8	Sun	No work

Chronological Recap of Project Activities (Con't.)

8/9	Mon	Import & stage backfill Load scrap steel Separate scrap steel
8/10	Tue	Load bldg 9 debris Process debris
8/11	Wed	Pump bldg 9 basement Load bldg 9 debris
8/12	Thur	Load bldg 9 debris Load non-ACM debris
8/13	Fri	No work
8/14	Sat	No work
8/15	Sun	No work
8/16	Mon	Load debris - end of non-ACM debris
8/17	Tue	De-water bldg 9 basement Remove sludge from bldg 9 basement
8/18	Wed	De-water bldg 9 basement Remove sludge from bldg 9 basement Backfill bldg 9 basement
8/19	Thur	Break up bottom of bldg 9 basement Backfill bldg 9 basement
8/20	Fri	No work (Backfill dumped at site)
8/21	Sat	No work
8/22	Sun	No work
8/23	Mon	Backfill bldg 9 basement Pump & clean bldg 9 coal sump Import backfill
8/24/	Tue	Import backfill Treat Baker tank 1 water
8/25	Wed	Import backfill Treat Baker tank 1 water Final clearance prep
8/26	Thur	Complete backfilling of bldg 9 basement Final clearance air sampling for bldg 9
8/27	Fri	No work
8/28	Sat	No work
8/29	Sun	No work
8/30	Mon	
8/31	Tue	
9/1	Wed	
9/2	Thur	Buck demobilizes

APPENDIX I

QA/QC REVIEW

The quality assurance/quality control review of the analytical data generated during Phase II of the project is provided on the following pages.

BUCK ENVIRONMENTAL LABORATORIES, INC.
DATA USABILITY SUMMARY REPORT

Project: Rossi Site – Rome, New York

Analytical Laboratory: Mitkem Laboratories

Report SDG: B8209B

Date of Data Review: 12/08/99 Data Reviewer: Laurie Indick

Sample Matrix: Water & Soil Number of Samples: 22

Date(s) of Sample Collection: 2/01/99 – 4/20/99

Volatile Review

Quality Control Checklist

	Compliant	Non-Compliant	Non-Applicable
Completeness of Chain-of-Custody	✓		
Proper analytical methods used	✓		
All documentation supplied	✓		
Analytical holding times met	✓		
Minimum number of field and laboratory QC samples analyzed	✓		
Surrogate Recovery		✓	
Internal Standard Recovery		✓	
Blank Spike Recovery	✓		
Matrix Spike Recovery	✓		
%RSD – Initial Calibration		✓	
%D – Continuing Calibration		✓	
%RPD – Matrix Spike	✓		
%RPD - Duplicates			✓
Target analyte concentrations below detection limit in all method blanks		✓	

Comments

- Recovery for one surrogate was above control limits in samples SC-SLG-15, SC-SLG-16, SC-SLG-15RE, and SC-SLG-16RE. All positive data for these samples are qualified as estimated based on the deficiency. Data from the initial analysis should be utilized for analytical results.

- Recovery for one internal standard was below control limits in sample SC-SLG-15. All data associated with chlorobenzene-d5 in the sample are qualified as estimated based on the deficiencies.

- Recoveries for all internal standards are below control limits in samples SC-C6, SC-C6RE, SC-SLG-16, SC-SLG-15RE, and SC-SLG-16RE. All data are qualified as estimated based on the deficiency. Data from SC-6RE, SC-SLG-15, and SC-SLG-16 should be utilized for analytical results because of it is more compliant.

- The presence of methylene chloride and acetone in all samples have been qualified as non-detected due to the presence of this compound in associated method blanks, holding blanks, and due to apparent transient background laboratory contamination.

- Positive data for 1,1,2,2-tetrachloroethane in sample SC-C6 is qualified as estimated due to %RSD outside limits in the initial calibration standard.

- All positive data for toluene in samples SC-TC-17, SC-TC-18, SC-FLA-19, SC-FLA-20, SC-SLE-21, SC-SLE-22, SC-SLH-24, SC-SLH-25, and SC-SLH-26 are qualified as estimated due to %RSD outside limits in the initial calibration standard.

- Positive data for bromoform in sample SC-C6 is qualified as estimated due to high recovery in the continuing calibration standard.

- Positive data for acetone in sample SC-C6RE is qualified as estimated due to high recovery in the continuing calibration standard.

- All data for bromomethane in samples SC-SLE-17, SC-SLE-18, SC-SLE-19, SC-SLE-20, and SC-SLE-21 are qualified as estimated due to low recovery in the continuing calibration standard.

Semi-volatile Review

Quality Control Checklist

	Compliant	Non-Compliant	Non-Applicable
Completeness of Chain-of-Custody	✓		
Proper analytical methods used	✓		
All documentation supplied	✓		
Analytical holding times met	✓		
Minimum number of field and laboratory QC samples analyzed	✓		
Surrogate Recovery	✓		
Internal Standard Recovery		✓	
Blank Spike Recovery		✓	
Matrix Spike Recovery	✓		
%RSD – Initial Calibration		✓	
%D – Continuing Calibration		✓	
%RPD – Matrix Spike	✓		
%RPD - Duplicates			✓
Target analyte concentrations below detection limit in all method blanks		✓	

Comments

- Recovery for one internal standard was below control limits in sample SC-C6. All data associated with perylene-d12 in the sample are qualified as estimated based on the deficiency. Data from the initial analysis should be utilized for analytical results.

- Recovery for one compound in one of eight blank spikes was outside control limits. No data have been qualified based on the deviation.

- The presence of bis-2-ethylhexylphthalate in the samples has been qualified as non-detected due to the presence of this compound in associated extraction blanks and due to apparent transient background laboratory contamination.

- All positive data for 2,4-dimethylphenol and 4-chlorophenylphenylether in samples SC-SLA-13, SC-SLF-14, SC-SLG-15, SC-SLG-16, SC-TC-17, SC-TC-18, SC-FLA-19, SC-FLA-20, SC-SLE-21, SC-SLE-22, SC-SLH-24,

SC-SLH-25, SC-SLH-26, SC-SLJ-27, and SC-SLJ-28 are qualified as estimated due to %RSD outside limits in the initial calibration standard.

- All data for 2,4-dimethylphenol in samples SC-SLA-13, SC-SLF-14, SC-SLG-15, SC-SLG-16, SC-TC-17, SC-TC-18, SC-FLA-19, SC-FLA-20, SC-SLE-21, SC-SLE-22, SC-SLH-24, SC-SLH-25, SC-SLH-26, SC-SLJ-27, and SC-SLJ-28 are qualified as estimated due to low recovery in the continuing calibration standard.

- All data for pentachlorophenol in samples SC-SLE-31 and SC-Blank-32 are qualified as estimated due to low recovery in the continuing calibration standard.

PCB Review

Quality Control Checklist

	Compliant	Non-Compliant	Non-Applicable
Completeness of Chain-of-Custody	✓		
Proper analytical methods used	✓		
All documentation supplied	✓		
Analytical holding times met	✓		
Minimum number of field and laboratory QC samples analyzed	✓		
Surrogate Recovery		✓	
%RSD – Initial Calibration	✓		
%D – Continuing Calibration	✓		
Matrix Spike Recovery	✓		
%RPD – Matrix Spike	✓		
Blank Spike Recovery	✓		
%RPD - Duplicates			✓
Target analyte concentrations below detection limit in all method blanks	✓		

Comments

- Recoveries for one surrogate are above control limits in sample SC-SLE-31. All positive data for this sample are qualified as estimated based on the deficiency.

SAMPLE COMPLIANCE REPORT

Sample Delivery Group	Sampling Date	ASP Protocol	Sample ID	Matrix	Compliancy[1]				Noncompliance
					VOA	BNA	PCB	TAL	
B8209B	2/01/99	1995	SC-C6	soil	no	no	yes	--	VOA-int std, cont cal SV-int std
B8209B	2/16/99	1995	SC-SLA-13	soil	yes	no	yes	--	SV-init cal, cont cal
B8209B	2/16/99	1995	SC-SLF-14	soil	yes	no	yes	--	SV-init cal, cont cal
B8209B	2/16/99	1995	SC-SLG-15	soil	no	no	yes	--	VOA-surr, int std SV-init cal, cont cal
B8209B	2/16/99	1995	SC-SLG-16	soil	no	no	yes	--	VOA-surr, int std SV-init cal, cont cal
B8209B	2/17/99	1995	SC-TC-17	soil	no	no	yes	--	VOA-init cal, cont cal SV-init cal, cont cal
B8209B	2/17/99	1995	SC-TC-18	soil	no	no	yes	--	VOA-init cal, cont cal SV-init cal, cont cal
B8209B	2/17/99	1995	SC-FLA-19	soil	no	no	yes	--	VOA-init cal, cont cal SV-init cal, cont cal
B8209B	2/17/99	1995	SC-FLA-20	soil	no	no	yes	--	VOA-init cal, cont cal SV-init cal, cont cal
B8209B	2/17/99	1995	SC-SLE-21	soil	no	no	yes	--	VOA-init cal, cont cal SV-init cal, cont cal
B8209B	2/17/99	1995	SC-SLE-22	soil	no	no	yes	--	VOA-init cal SV-init cal, cont cal
B8209B	2/18/99	1995	SC-SLH-24	soil	no	no	yes	--	VOA-init cal SV-init cal, cont cal
B8209B	2/18/99	1995	SC-SLH-25	soil	no	no	yes	--	VOA-init cal SV-init cal, cont cal
B8209B	2/18/99	1995	SC-SLH-26	soil	no	no	yes	--	VOA-init cal SV-init cal, cont cal
B8209B	2/23/99	1995	SC-SLJ-27	soil	yes	no	yes	--	SV-init cal, cont cal
B8209B	2/23/99	1995	SC-SLJ-28	soil	yes	no	yes	--	SV-init cal, cont cal
B8209B	3/30/99	1995	SC-EXCHA-29	soil	yes	yes	yes	--	
B8209B	3/30/99	1995	SC-EXCHA-29MS	soil	yes	yes	yes	--	
B8209B	3/30/99	1995	SC-EXCHA-29MSD	soil	yes	yes	yes	--	
B8209B	3/30/99	1995	TRIP BLANK	water	yes	--	--	--	
B8209B	4/8/99	1995	SC-SLL-30	soil	yes	yes	yes	--	
B8209B	4/20/99	1995	SC-SLE-31	soil	yes	no	no	--	SV-cont cal PCB-surr
B8209B	4/20/99	1995	SC-BLANK-32	water	yes	--	--	--	

1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.

APPENDIX J

PROJECT PARTICIPANTS

ARRIC Corporation	CSC Subcontractor (asbestos abatement)
Atlantic Testing Laboratories	CSC Subcontractor (general analytical and geotechnical testing)
Buck Engineering	(BE) Contractor Oversight
Buck Environmental Laboratories, Inc.	VOC air sample analysis
Chargo Earthworks	CSC Subcontractor (excavation, backfilling, hauling, concrete disposal)
Ciminelli Services Corporation	(CSC) General Contractor
City of Rome	General Project Oversight
Galson Laboratories	BE Subcontractor for VOC, SVOC, & PCB air sample analysis
Griffin Industrial Services	CSC Subcontractor (20,000 gallon tank emptying & cleaning)
Industrial Services	CSC Subcontractor (storm line cleaning
Mitkem Laboratories	BE Subcontractor for soil and water sample analysis
Maxim Technologies	BE Subcontractor for PCM air sample analysis
NYSDEC	General Project Oversight
Page Trucking	CSC Subcontractor (Waste hauling)
Riztilli Trucking	CSC Subcontractor (Waste hauling
RETEC Eng. P.C./ThermoRetec	(RETEC) Project Engineer for Non-Asbestos Remediation
The Saratoga Associates	(TSA) Project Manager/Engineer
Upstate Laboratories	BE Subcontractor for water testing CSC Subcontractor for general analytical
Weber Industrial Services	CSC Subcontractor

APPENDIX K

AS-BUILT DRAWING

A copy of the as-built drawing for the Phase II work provided by Ciminelli Services Corporation is provided on the following page.

APPENDIX L

SOIL COMPACTION TESTING RESULTS

A copy of the soil compaction results for the Phase II work conducted by Ciminelli Services Corporation is provided on the following pages.

atl ATLANTIC TESTING LABORATORIES, Limited

TRANSMITTAL

June 14, 1999

Job # 9811
Compaction Tests

Ciminelli Services Corp.
170 Cooper Ave, Suite 112
Tonawanda, New York 14150-6680

Attn: Mr. Joe Watroba

Exc. B: First Lift

Re: Quality Control Testing
East Rome Business Park
Phase II Environmental Remediation
Rome, NY
ATL Project No. UT1443

Ladies/Gentlemen:

Enclosed are copies of the following reports:

UT1443S-2-6-99	Daily Soil Report	June 7, 1999, Monday
UT1443S-3-6-99	Daily Soil Report	June 9, 1999, Tuesday

RECEIVED
JUN 21 1999
By

Respectfully,
ATLANTIC TESTING LABORATORIES, Limited

Heather J. Mason
Materials Engineer

HJM/pap

Enclosures

ATLANTIC TESTING LABORATORIES, Limited

DAILY SOIL REPORT NUMBER UT1443S-3-6-99

PROJECT INFORMATION

CLIENT: Ciminelli Services Corp.
PROJECT: East Rome Business Park
Phase II Environmental Remediation, Rome, NY
CONTRACTOR: Ciminelli Services Corp.

DATE: June ~~10~~ 9, 1999 (Wednesday)
ATL REPRESENTATIVE: Glen Kasarda

NUCLEAR DENSITY GAUGE DATA

Gauge Model No.: Troxler 3430
Gauge Serial No.: 21034

Moisture Standard: 609
Density Standard: 2426

FIELD INFORMATION

At the request of Mr. Joe Watroba, representing Ciminelli Services Corp., nuclear moisture density testing was performed in accordance with ASTM D 2922 direct transmission and ASTM D 3017.

Density tests were performed on the run-of-bank sand material (ATL Sample #14431) from Harvey's Pit, in-place and compacted as subgrade in an enclosed area 60' x 85'.

Project specifications require 95% of the maximum dry density as determined by ASTM D 698.

IN-PLACE FIELD DENSITY TEST RESULTS

Test No.	Test Location	Elevation	Optimum Moisture Content (%)	Maximum Dry Density (pcf)	Field Wet Density (pcf)	Field Moisture Content (%)	Field Dry Density (pcf)	Compaction (%)
1	20' north of the south end, 15' west of the east side	-5'	17.5	97.0	109.6	5.4	104.0	100+
2	20' south of the north end, 15' west of the east side	-5'	17.5	97.0	106.1	4.4	101.6	100+
3	30' south of the north end, 40' west of the east side	-5'	17.5	97.0	111.6	9.8	101.6	100+
4	15' north of the south end, 15' east of the west side	-5'	17.5	97.0	108.7	5.0	103.5	100+
5	30' south of the north end, 15' east of the west side	-5'	17.5	97.0	103.6	4.8	98.8	100+

REMARKS

Test elevations are referenced from top of subgrade
Mr. Watroba, representing Ciminelli Services Corp., was informed of all test results prior to departure from the site.

Reviewed by: Kenneth J. Mason Date: 6/14/99

ATLANTIC TESTING LABORATORIES, Limited

TRANSMITTAL

June 24, 1999

Job # 9811 Compaction Tests

Exc. B

Ciminelli Services Corp.
170 Cooper Ave, Suite 112
Tonawanda, New York 14150-6680

Attn: Mr. Joe Watroba

Re: Quality Control Testing
East Rome Business Park
Phase II Environmental Remediation
Rome, NY
ATL Project No. UT1443

Ladies/Gentlemen:

Enclosed are copies of the following reports:

UT1443S-4-6-99	Daily Soil Report	June 10, 1999, Thursday
UT1443S-5-6-99	Daily Soil Report	June 15, 1999, Tuesday

Respectfully,

Heather J. Mason
Materials Engineer

RECEIVED
JUL 01 1999
By

HJM/pap

Enclosures

ATLANTIC TESTING LABORATORIES, Limited

DAILY SOIL REPORT NUMBER UT1443S-4-6-99

PROJECT INFORMATION

CLIENT: Ciminelli Services Corp.
PROJECT: East Rome Business Park
Phase II Environmental Remediation, Rome, NY
CONTRACTOR: Ciminelli Services Corp.

DATE: June 10, 1999 (Thursday)
ATL REPRESENTATIVE: Glen Kasarda

NUCLEAR DENSITY GAUGE DATA

Gauge Model No.: Troxler 3430
Gauge Serial No.: 21034

Moisture Standard: 614
Density Standard: 2497

FIELD INFORMATION

At the request of Mr. Joe Watroba, representing Ciminelli Services Corp., nuclear moisture density testing was performed in accordance with ASTM D 2922 direct transmission and ASTM D 3017.

Density tests were performed on the run-of-bank sand material (ATL Sample #14431) from Harvey's Pit, placed and compacted as subgrade in an enclosed area 60' x 85'.

Project specifications require 95% of the maximum dry density as determined by ASTM D 698.

IN-PLACE FIELD DENSITY TEST RESULTS

Test No.	Test Location	Elevation	Optimum Moisture Content (%)	Maximum Dry Density (pcf)	Field Wet Density (pcf)	Field Moisture Content (%)	Field Dry Density (pcf)	Compaction (%)
1	15' north of the south end, 15' west of the east side	-5'	17.5	97.0	103.3	4.6	98.9	100+
2	40' north of the south end, 15' west of the east side	-5'	17.5	97.0	109.2	6.2	102.7	100+
3	15' south of the north end, 15' west of the east side	-5'	17.5	97.0	107.7	5.3	102.3	100+
4	40' north of the south end, 30' west of the east side	-5'	17.5	97.0	105.3	5.2	100.1	100+
5	15' north of the south end, 15' east of the west side	-5'	17.5	97.0	107.0	4.6	102.3	100+

ATL Report No. UT1443S-4-6-99
Ciminelli Services Corp.

June 10, 1999
Page 2 of 3

IN-PLACE FIELD DENSITY TEST RESULTS (continued)

Test No.	Test Location	Elevation	Optimum Moisture Content (%)	Maximum Dry Density (pcf)	Field Wet Density (pcf)	Field Moisture Content (%)	Field Dry Density (pcf)	Compaction (%)
6	10' north of the south end, 10' west of the east side	-4'	17.5	97.0	101.1	5.3	96.0	99
7	30' north of the south end, 10' west of the east side	-4'	17.5	97.0	100.6	5.6	95.2	98
8	10' south of the north end, 10' west of the east side	-4'	17.5	97.0	105.8	5.4	100.3	100+
9	30' north of the south end, 20' west of the east side	-4'	17.5	97.0	97.9	4.7	93.5	96
10	10' north of the south end, 10' east of the west side	-4'	17.5	97.0	102.3	5.3	97.2	100
11	20' north of the south end, 20' west of the east side	-3'	17.5	97.0	99.7	4.5	95.4	98
12	35' north of the south end, 15' west of the east side	-3'	17.5	97.0	99.7	3.9	96.0	99
13	20' south of the north end, 20' west of the east side	-3'	17.5	97.0	100.7	6.0	95.0	98
14	20' north of the south end, 15' west of the east side	-3'	17.5	97.0	98.0	5.8	92.6	95
15	15' north of the south end, 15' east of the west side	-3'	17.5	97.0	103.6	5.6	97.2	100
16	15' north of the south end, 15' west of the east side	-2'	17.5	97.0	97.8	3.2	94.7	98
17	40' north of the south end, 20' west of the east side	-2'	17.5	97.0	102.5	6.0	96.7	100
18	15' south of the north end, 15' west of the east side	-2'	17.5	97.0	103.5	3.7	99.8	100+
19	15' north of the south end, 20' west of the east side	-2'	17.5	97.0	98.0	4.8	93.5	96

ATL Report No. UT1443S-4-6-99
Ciminelli Services Corp.

June 10, 1999
Page 3 of 3

IN-PLACE FIELD DENSITY TEST RESULTS (continued)

Test No.	Test Location	Elevation	Optimum Moisture Content (%)	Maximum Dry Density (pcf)	Field Wet Density (pcf)	Field Moisture Content (%)	Field Dry Density (pcf)	Compaction (%)
20	20' north of the south end, 20' east of the west side	-2'	17.5	97.0	102.1	5.7	96.6	100
21	10' north of the south end, 15' west of the east side	-1'	17.5	97.0	100.9	5.7	95.5	98
22	35' north of the south end, 15' west of the east side	-1'	17.5	97.0	103.0	5.2	97.9	100+
23	10' south of the north end, 15' west of the east side	-1'	17.5	97.0	102.2	5.2	97.2	100
24	10' north of the south end, 15' west of the east side	-1'	17.5	97.0	101.4	4.9	96.6	100
25	10' north of the south end, 15' east of the west side	-1'	17.5	97.0	101.5	4.0	97.6	100+

REMARKS

Test elevations are referenced from top of subgrade
Mr. Warrobe was informed of all test results prior to departure from the site.

Reviewed by: [signature] Date: 6/24/99

ATLANTIC TESTING LABORATORIES, Limited

Exc. B: Last Lift

DAILY SOIL REPORT NUMBER UT1443S-5-6-99

PROJECT INFORMATION

CLIENT: Ciminelli Services Corp.
PROJECT: East Rome Business Park
Phase II Environmental Remediation, Rome, NY
CONTRACTOR: Ciminelli Services Corp.

DATE: June 15, 1999 (Tuesday)
ATL REPRESENTATIVE: Glen Kasarda

NUCLEAR DENSITY GAUGE DATA

Gauge Model No.: Troxler 3430
Gauge Serial No.: 21034

Moisture Standard: 616
Density Standard: 2520

FIELD INFORMATION

At the request of Mr. Joe Watroba, representing Ciminelli Services Corp., nuclear moisture density testing was performed in accordance with ASTM D 2922 direct transmission and ASTM D 3017.

Density tests were performed on the run-of-bank sand material (ATL Sample #14431) from Harvey's Pit, in-place and compacted as subgrade in an enclosed area 60' x 85'.

Project specifications require 95% of the maximum dry density as determined by ASTM D 698.

IN-PLACE FIELD DENSITY TEST RESULTS

Test No.	Test Location	Elevation	Optimum Moisture Content (%)	Maximum Dry Density (pcf)	Field Wet Density (pcf)	Field Moisture Content (%)	Field Dry Density (pcf)	Compaction (%)
1	10' north of the south end, 10' west of the east side	0.0'	17.5	97.0	103.6	3.7	99.9	100+
2	30' north of the south end, 15' west of the east side	0.0'	17.5	97.0	97.8	3.2	94.7	98
3	20' south of the north end, 15' west of the east side	0.0'	17.5	97.0	97.9	4.7	93.5	96
4	40' north of the south end, 30' west of the east side	0.0'	17.5	97.0	105.1	3.8	101.3	100+
5	15' north of the south end, 15' east of the west side	0.0'	17.5	97.0	99.7	4.5	95.4	98

REMARKS

Test elevations are referenced from top of subgrade
Mr. Watroba was informed of all test results prior to departure from the site.

Reviewed by: Glen K. Kasarda Date: 6/24/99

ATLANTIC TESTING LABORATORIES, Limited

TRANSMITTAL

July 1, 1999

Job # 9811
Compaction Tests

Ciminelli Services Corp.
170 Cooper Ave, Suite 112
Tonawanda, New York 14150-6680

Attn: Mr. Joe Watroba

Exc. D: 2 LIFTS IN ROADWAY

Re: Quality Control Testing
East Rome Business Park
Mill Street, Rome, NY
ATL Project No. UT1443

Ladies/Gentlemen:

Enclosed is a copy of the following report:

UT1443S-6-6-99	Daily Soil Report	June 23, 1999, Wednesday

RECEIVED
JUL 05 1999
By

Respectfully,

Heather J. Mason
Materials Engineer

HJM/pap

Enclosure

ATLANTIC TESTING LABORATORIES, Limited

DAILY SOIL REPORT NUMBER UT1443S-6-6-99

PROJECT INFORMATION

CLIENT: Ciminelli Services Corp.
PROJECT: East Rome Business Park
Mill Street, Rome, NY
CONTRACTOR: Ciminelli Services Corp./Chargo Earthworks

DATE: June 23, 1999 (Wednesday)
ATL REPRESENTATIVE: Doug Kelly

NUCLEAR DENSITY GAUGE DATA

Gauge Model No.: Troxler 3411B
Gauge Serial No.: 14287

Moisture Standard: 613
Density Standard: 2695

FIELD INFORMATION

At the request of Mr. Joe Watroba, representing Ciminelli Services Corp., nuclear moisture density testing was performed in accordance with ASTM D 2922 direct transmission and ASTM D 3017.

Density tests were performed on the run-of-bank sand material (ATL Sample #14431) from Harvey's Pit, being placed and compacted as fill in an enclosed area 60' x 85'.

Project specifications require 95% of the maximum dry density as determined by ASTM D 1557.

IN-PLACE FIELD DENSITY TEST RESULTS

Test No.	Test Location	Elevation	Optimum Moisture Content (%)	Maximum Dry Density (pcf)	Field Wet Density (pcf)	Field Moisture Content (%)	Field Dry Density (pcf)	Compaction (%)
1	30' south of the north end, middle	-3.0	17.5	97.0	103.7	3.3	100.4	100+
2	50' south of the north, middle	-3.0	17.5	97.0	104.3	3.6	100.7	100+
3	75' south of the north, middle	-3.0	17.5	97.0	100.2	2.8	97.4	100+
4	100' south of the north, middle	-3.0	17.5	97.0	102.0	4.3	97.8	100+
5	130' south of the north, middle	-3.0	17.5	97.0	102.3	3.5	98.7	100+
6	15' south of the north end, middle	-2.0'	17.5	97.0	106.9	3.6	103.2	100+
7	40' south of the north end, middle	-2.0'	17.5	97.0	103.1	6.5	96.8	100
8	70' south of the north end, middle	-2.0'	17.5	97.0	105.2	4.0	101.1	100+
9	100' south of the north end, middle	-2.0'	17.5	97.0	103.4	3.7	99.7	100+
10	130' south of the north end, middle	-2.0'	17.5	97.0	103.2	3.2	100.0	100+

ATL Report No. UT1443S-6-6-99
Ciminelli Services Corp.

REMARKS

Test elevations are referenced from top of subgrade
Mr. Watraba was informed of all test results prior to departure from the site.

Reviewed by: Wm. Thos. Mason Date: 7/1/99