ATTACHMENT 3 PA DEP APPROVED CLEAN UP PLAN



May 10, 2013

Mr. Christopher Falkler
Soil Scientist 2 – Environmental Cleanup and Brownfields
Pennsylvania Department of the Environmental Protection
Southeast Regional Office
2 East Main Street
Norristown, Pennsylvania 19401
(484) 250-5960 / Fax: (484) 250-5943

RE: SUBMITTAL CLEANUP PLAN

THE BAST PROPERTY

(A PORTION OF THE FORMER NICOLET INDUSTRIES PROPERTY)

SOUTH MAPLE WAY, BOROUGH OF AMBLER MONTGOMERY COUNTY, PENNSYLVANIA

RT PROJECT #70461-10

Dear Mr. Falkler:

RT Environmental Services, Inc., (RT) is pleased to submit the enclosed Cleanup Plan for the above referenced site. Extensive environmental investigation work has been conducted at the site historically by varies entities. Ambler Crossings Development Partners, LP (Developer and Remediator) has retained RT to continue the Act 2 process for the Site. As such, we are submitting the enclosed Cleanup Plan which indicates attainment of the Site Specific Standard will be achieved through Engineering and Institutional controls as part of site redevelopment. The Report Submittal Notice newspaper publications, municipal notifications, and certified mail receipts for the municipal notifications are attached to the Cleanup Plan in Attachment 2 and Attachment 3.

Additionally, the report review fee is attached to this letter.

If you have any questions, please do not hesitate to call me at (610) 265-1510 ex. 238.

Very truly yours,

RT ENVIRONMENTAD SERVICES, INC.

Walter H. Hungarter, III General Manager

cc: John Zaharchuk – Summit Realty Advisors, LLC C. Herr, G. Brown, K. Eden - RT

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COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF WASTE MANAGEMENT

Land Recycling Program Transmittal Sheet for Plan/Report Submission

Instructions: Please provide all requested information in each of the four sections. This transmittal sheet shall accompany any plan/report submitted to the Department under the Land Recycling Program. Proper completion of the Transmittal Sheet will assist Department review and may avoid a finding of plan/report deficiency. The Facility ID number can be obtained from the Department's Environmental Cleanup Program in the region where the site is located.

Section 1 - Site identification	
eFACTS Facility ID 743384	
Site Name Ambler Crossing - Bast Property	
Site Address SOUTH MAPLE WAY,	
Municipality and County BOROUGH OF AMBLER, MONTGO	MERY COUNTY
Section 2 - Remediation Standard Plan/Report	t Fees
Identify the remediation standard being pursued and the ty Department fees follow each type of plan/report.	pe of plan/report being submitted. Please note required
Check the relevant standard and the type of plan/report being	submitted.
☐ Background Standard Final Report (\$250 fee)	Statewide Health Standard Final Report (\$250 fee)
	☐ Special Industrial Area
Remedial Investigation Report (\$250 fee)	☐ Work Plan (no fee)
Risk Assessment Report (\$250 fee)	☐ Baseline Environmental Report (no fee)
☐ Cleanup Plan (\$250 fee)	
☐ Final Report (\$500 fee)	

Ensure your check covers all required fees and is made payable to the **Commonwealth of Pennsylvania**.

Section 3 - Municipal/Public Notice Confirmation

nfc	ere are two stages in the Land Recycling Program where municipal and public notices are required. Read the ormation associated with each stage. You will be asked to confirm that information establishing your compliance with se notification requirements has been included with this submission.			
	Check here if you are planning to meet the Background or Statewide Health Standard and your Final Report has been submitted within 90 days of the release.			
nd	icate date of release here			
	further completion of this section is required if your Final Report for these two standards conforms to the day time frame.			
Sta	ge 1 - Notice of Intent to Remediate (NIR)			
\boxtimes	Check here to confirm you have included proof that a copy of your NIR was provided to each municipality where your site is located. Proof will be a copy of your cover letter and a copy of a signed certified mail receipt slip from the municipality.			
\boxtimes	Check here to confirm a copy of a proof of publication document from a newspaper serving the area of your site has been included with this submission.			
	Check here to indicate that a Site-Specific Standard or a Special Industrial Area is involved and a municipal reques was received for development of a public involvement plan. The plan/report submission shall include municipality and public comments, which were submitted, and your responses to those comments.			
Sta	ge 2 - Cleanup Plan/Report Submission			
	Fil 30, 2013 Place date here that each municipality was notified of any plan or report submitted under any of three remediation standards.			
Αm	bler Gazette May 5, 2013 Place the newspaper name			
and	d date that your notice of your plan/report submission was published.			
Se	ection 4 - Project Contact			
	the lines below, place the name, company, and business phone number of the individuals who can be contacted arding this submission:			
Wa	tler H. Hungarter, III Gary R. Brown, P.E.			
<u> 310</u>	0-265-1510 x 238			
RT	Environmental Services, Inc.			
215	5 West Church Road 610-265-1510 x 234			
V in	a of Pruggia, PA 10406			



ACT 2 LAND RECYCLING PROGRAM CLEANUP PLAN

BAST PROPERTY
SOUTH MAPLE WAY
BOROUGH OF AMBLER,
MONTGOMERY COUNTY, PENNSYLVANIA

RT PROJECT #70461-10

PREPARED FOR:

AMBLER CROSSINGS DEVELOPMENT PARTNERS, LP 201 SOUTH MAPLE AVENUE SUITE 100 AMBLER, PA 19002

SUBMITTED BY:

RT ENVIRONMENTAL SERVICES, INC. 215 WEST CHURCH ROAD KING OF PRUSSIA, PENNSYLVANIA 19406

MAY 2013

TABLE OF CONTENTS

	<u>P</u> :	<u>age</u>
1.0	INTRODUCTION	1
2.0	SITE DESCRIPTION & HISTORY	4
3.0	SCOPE OF WORK 3.1 ASBESTOS AND IMPACTED SOILS 3.2 ARSENIC CONTAINING SOILS 3.3 SITE PREPARATION 3.4 SITE GRADING 3.5 DEMOLITION BUILDING FOUNDATIONS 3.6 UTILITY CORRIDORS 3.7 NEW BUILDING FOUNDATIONS 3.8 CLEAN FILL & CAPPING	5 6 8 9 9
4.0	STORMWATER CONTROL 4.1 DUST CONTROL	
5.0	ASBESTOS AND IMPACTED SOILS RELOCATION	. 13
6.0	ENGINEERING AND INSTITUTIONAL CONTROLS	. 15
7.0	HEALTH & SAFETY 7.1 GENERAL REQUIREMENTS 7.2 PROOF OF TRAINING 7.3 MEDICAL SURVEILLANCE 7.4 HEALTH & SAFETY OFFICERS 7.5 AUTHORIZATION TO ENTER 7.6 WORK ZONE DESIGNATIONS 7.7 AIR MONITORING PROGRAM 7.8 PRE-CONSTRUCTION AIR MONITORING 7.9 AIR MONITORING 7.10 AIR MONITORING — PERSONNEL	.16 .18 .19 .19 .20 .22 .22
8.0	CONSTRUCTION OVERSIGHT	. 25
9.0	REPORTING	. 26
10.0	POST – REMEDIAL CARE PLAN	. 27
11.0	CONTACTS	. 28
12 0	REFERENCES	20

FIGURES

- 1 SITE LOCATION MAP
- 2 SITE DEVELOPMENT PLAN BAST PROPERTY
- 3 CURRENT AERIAL PHOTOGRAPH
- 4 ASBESTOS AND IMPACTED SOILS (0.0' 2.0' DEPTH)
- 5 ASBESTOS AND IMPACTED SOILS (2.0' 10.0' DEPTH)
- 6 ASBESTOS AND IMPACTED SOILS (GREATER THAN 10' DEPTH)
- 7 EXTENT OF MAGNESIA
- 8 ARSENIC IMPACTED SOILS
- 9 REMEDIATION PLAN

APPENDICES

- APPENDIX 1 NOTIFICATION OF INTENT TO REMEDIATE CORRESPONDENCES
- APPENDIX 2 AMBLER GAZETTE LEGAL NOTICE
- APPENDIX 3 BOROUGH OF AMBLER AND AMBLER GAZETTE REPORT SUBMITTAL NOTICES
- APPENDIX 4 45-DAY NOTICE LETTER DATED JULY 5, 2011
- APPENDIX 5 GRADING PLAN/E&S PLAN (LANGAN)
- APPENDIX 6 UTILITY CORRIDOR LAYOUT
- APPENDIX 7 CLEAN FILL CERTIFICATION
- APPENDIX 8 HEALTH & SAFETY PLAN

1.0 INTRODUCTION

This Act 2 Land Recycling Program Cleanup Plan has been prepared by RT Environmental Services, Inc. (RT) at the request of Ambler Crossings Development Partners, LP (ACDP) in support of redevelopment plans for the Bast Property located at South Maple Way and Chestnuts Streets in the Borough of Ambler, Montgomery County, Pennsylvania (Site). A site location map is included as **Figure 1**. A site Re-development Plan is included as **Figure 2**. A recent aerial photograph, which indicates current Site conditions, is included as **Figure 3**. ACDP plans to develop this Site with low rise residential apartments. Site re-development activities include site grading, filling of subsurface cavities/basements, mixing of a subsurface magnesia layer with other materials for additional strength (if needed), focused removal of asbestos and impacted soil, installation of subsurface utilities to the residential use, subsurface building foundation work including the installation of pilings, and the installation of appropriate cap throughout the Site as discussed within this Cleanup Plan. The Site has been subject to extensive environmental investigations historically and it is known that asbestos and impacted soils are present throughout the Site.

The Bast Property Site is only a portion of the Former Nicolet Industries site where asbestos products were manufactured. In addition to the historic asbestos manufacturing operations, prior site operations involved production of magnesia materials. The historic investigation work has documented areas of magnesia which are present at the Site. Additionally, historic fill material is present at the Site and there are detections of arsenic above the most stringent PADEP medium specific health standards. The Bast Property is described as an inactive waste disposal site regulated by National Emissions Standard for Hazardous Air Pollutants (NESHAP) 40 CFR 61.151. Additionally, the extent of magnesia materials present on the Site is depicted in Figure 4. Geotechnical analysis was recently completed to determine final design parameters for site structures taking into account the presence of asbestos, impacted soil, and the extent of magnesia materials.

A Notice of Intent to Remediate (NIR) was submitted to the PADEP on March 7, 2013. The PADEP acknowledged receipt of the NIR on March 15, 2013. A copy of the NIR and correspondences are included as **Appendix 1**. A copy of the Ambler Gazette legal notice is included as **Appendix 2**. Copies of the Report Submittal Notices to the Borough of Ambler and

the Ambler Gazette are included as **Appendix 3**. A copy of the 45-day notice letter associated with the recent geotechnical analysis is included as **Appendix 4**. A meeting was held on April 11, 2013 between ACDP, RT, and representatives of the Pennsylvania Department of Environment Protection (PADEP) to discuss the Cleanup Plan for remediation and redevelopment of the Site.

The presence of asbestos has been identified in the soil within the limits of proposed redevelopment. The asbestos and impacted soils are expected to be excavated during redevelopment activities will be consolidated in designated locations and/or be subject to focused removal and offsite disposal. These designated consolidation areas included the basements of former buildings and locations requiring fill to meet design grades. All asbestos and arsenic impacted soils will ultimately be covered with building foundations, asphalt roadways, concrete, and/or a minimum of a two foot clean soil cap.

This Cleanup Plan has been prepared in accordance with the requirements of the Pennsylvania Land Recycling and Environmental Remediation Standards Act (Act 2) of 1995 – known as the Land Recycling Program, as part of the process for achieving cleanup liability relief under the program. The Cleanup Plan will be implemented in accordance with applicable Federal, State, and local regulations as well as asbestos regulations. Site constituents of concern in soil include asbestos and arsenic. Act 2 Liability Protection is being sought for asbestos and arsenic present in historic fill above the applicable statewide health standards. A Site Specific Standard with engineering and institutional controls to preclude the exposure pathway is to be used to meet the Site Specific Standard for asbestos and arsenic in soils.

The sections that follow provide a description of the remedial actions and Site redevelopment activities including the procedures which will be followed.

This report is structured as follows:

- Section 2.0 Presents a description and brief history of the Site;
- Section 3.0 Presents a description of the scope of work and procedures to be implemented for the handling of asbestos and impacted soils are s;
- Section 4.0 Presents a description of water controls to prevent uncontrolled releases

- of surface runoff from the Site;
- Section 5.0 Presents a description of the procedures to be implemented during handling of the asbestos and impacted soils are;
- Section 6.0 Presents a description of final Site grading and capping of asbestos and impacted soils are;
- Section 7.0 Presents a description of the Health and Safety requirements to be implemented during the handling of asbestos and impacted soils are s;
- Section 8.0 Presents a description of the construction oversight to be performed during redevelopment activities;
- Section 9.0 Presents a description of the Final Report to be generated to summarize the remedial actions and redevelopment activities;
- Section 10.0 Post Remedial Care Plan
- Section 11.0 Contacts
- Section 12.0 References

2.0 SITE DESCRIPTION & HISTORY

The Site consists of one parcel in the Borough of Ambler – Tax Block 28, Lot A which as an area of 4.61 acres, see **Figure 2**. The Bast property, as well as the adjacent Ambler Asbestos Piles Site (former Superfund site), were once part of the Nicolet Industries facility, where asbestos and magnesia products were manufactured. The Site is located north of the former Superfund site, south of commercial properties and SEPTA parking lot on South Maple Way, east of residential properties along Chestnut Street, and west of SEPTA commuter railroad tracks.

The former manufacturing buildings and associated smaller sheds have all been demolished during previous redevelopment attempts. The former industrial buildings were constructed of a combination of stone, concrete, brick, and steel walls with concrete slab on grade floors in most areas. A basement was present in portions of several buildings. An underground tunnel was also connected to industrial structures on an adjacent property to the south. Additionally, there is an existing underground culvert beneath the Site oriented generally in an east-west configuration.

The Site is covered by the remains of the former manufacturing buildings, small areas of grass and vegetation, asphalt, and concrete paved areas. Two abandoned railroad sidings were present on the Site, which since have been removed. The former sidings entered the Site from the east, with one extending to a loading dock located along the east side of the former buildings. The second siding extended to the west along the southern property boundary. The sidings were predominately located within asphalt paved areas of the Site. A concrete pad is located on the southwestern portion of the Site.

As stated above, previous investigation activities performed at the Site have identified the presence of asbestos in the soil across the entire Site. Areas of asbestos are presented in **Figures 4, 5,** and **6**. Additionally, the extent of magnesia materials present on the Site were investigated historically and the extent of magnesia materials is depicted in **Figure 7.**

3.0 SCOPE OF WORK

Ambler Crossings Development Partners, LP plans to redevelop the Bast Property Site with low rise residential apartments. Site re-development activities will include site grading, filling of subsurface cavities/basements, mixing of a subsurface magnesia layer with other materials for additional strength (if needed), focused removal of asbestos and impacted soil, installation of subsurface "clean" utility corridors to the residential buildings, subsurface building foundation work including the installation of pilings, and the installation of appropriate cap throughout the Site as discussed within this Cleanup Plan. The Site has been subject to extensive environmental investigations historically and it is known that asbestos and impacted soils are present throughout the Site.

3.1 ASBESTOS AND IMPACTED SOILS

Site re-development activities will include site grading, filling of subsurface cavities/basements, mixing of a subsurface magnesia layer with other materials for additional strength (if needed), focused removal of asbestos and impacted soil, installation of subsurface "clean" utility corridors to the residential buildings, subsurface building foundation work including the installation of pillings, and the installation of appropriate cap throughout the Site where asbestos and impacted soils have been documented.

The presence of asbestos in the soil presents a potential exposure issue for construction personnel performing the activities directly related to Site development, off-Site receptors (nearby residential areas), and for individuals using or responsible for maintaining the Site. The primary exposure risk for asbestos is inhalation. As such, procedures will be implemented to minimize the potential inhalation exposure route. The implementation of these procedures will act to eliminate and reduce the generation of visible emissions during the Site development activities, which involve the handling of asbestos and impacted soils. Visible emissions means any emission, which is visually detectable without the aid of air monitoring instruments, coming from activities related to handling of asbestos and impacted soils. This does not include condensed, uncombined water vapor (40 CFR 61.141).

Section 61.151 of the asbestos NESHAP 40 CFR Section 61.151, requires that the owner or

operator of an inactive waste disposal site regulated by this section provide certain notices and other information in writing to the U.S. Environmental Protection Agency (EPA) (or the delegated state agency) at least 45 days prior to excavating or otherwise disturbing any asbestos containing waste material deposited at such a site. RT submitted letters to the PADEP air quality program and EPA Region 3 asbestos program documenting initial Geotechnical investigation work in accordance with section 61.151. A copy of this letter is included as **Appendix 4**.

Currently, the developers are planning a tentative start date in early August 2013 and completion date for the planned earth disturbance and capping activities by January 2014. These activities will begin following approval of the Cleanup Plan, receipt of other necessary governmental approvals for the proposed redevelopment, (and closing on the transaction to acquire the Site from its current owners.) Once these events occur and the redevelopers are able to identify start and completion dates for the earth disturbance work, they will provide written notice to the Department's environmental cleanup and air quality programs and EPA Region 3's asbestos program, at least 45 days prior to the anticipated start date.

3.2 ARSENIC CONTAINING SOILS

Arsenic is present on the eastern side and in an isolated area of the Site between proposed Building 1 and existing railroad right-of-way. Arsenic was detected at a concentration of 15.5 mg/kg in SB-75A-007 at a depth of 1.5 – 2 feet below ground surface. Arsenic impacted soils will ultimately be covered with an asphalt roadway in this area of the Site. Arsenic impacted soils are included as **Figure 8**.

3.3 SITE PREPARATION

Site Preparation activities will include the following:

- Securing of the Site;
- Establishing work zones;
- Setup of air monitoring stations;
- Removal of debris piles and former foundation structures where applicable; and

Site clearing and grubbing.

Prior to performing any work on Site, the perimeter will be secured by installation of temporary fencing. No trespassing and asbestos work signs, as required by regulations, will be posted on the perimeter fence line.

Initially the entire Site will be considered to contain asbestos and impacted soils and therefore will designated as an exclusion zone. Definitions of the various work zones are described in more detail in Section 7.6. The contaminant reduction zone will be established at the exit/entrance to the Site with the clean/support zones outside the fenced perimeter of the Site. The contaminant reduction zone will include facilities for decontamination of both personnel and equipment. The support zone will initially be located outside of the perimeter fencing at the main entrance to the Site. The main entrance to the Site is shown on the Grading Plan / Soil Erosion and Sediment Control Plan included as **Appendix 5**.

A wind sock will be installed in a location that is visible from as much of the Site as practical. The wind sock will be used to determine upwind and downwind locations for the daily air monitoring program. Air monitoring stations will also be constructed around the perimeter of the Site. Perimeter air monitoring will be conducted during the Site development activities in which asbestos and impacted soils are handled or relocated on site to monitor Site perimeter air quality. The air monitoring program is discussed in detail in Section 7.7.

Potable water will be provided to the contaminant reduction zone for the decontamination of personnel and equipment as well as dust control in the exclusion zone during the performance of Site development activities. The nearest hydrant will be used to supply the potable water required during Site development activities. If an emergency supply of water is needed for dust suppression, then a water tanker will be brought to the Site to supply potable water.

Grubbing of the vegetation will be performed as required for the performance of Site redevelopment activities. Brush and tress (if any) will be cut down, chipped, and disposed off-Site. Large stumps will be removed and all soil on these stumps will be removed using a fire hose to wash off the soil. Wash waster will be handled as described in Section 4.0.

The following is the sequence in which work is expected to be conducted on the Site:

- 1. Site preparation activities to include, securing site perimeter boundaries, establishing work zones and air monitoring stations.
- 2. Site grading will be conducted prior to the installation of the foundations for the buildings and asphalt paving as per Section 3.3. The soil with the highest amount of asbestos (i.e. the courtyard area), see **Figures 4 6**, will be placed in the basements of the former buildings adjacent to the courtyard area.
- 3. Demolition of existing building foundations as per Section 3.4.
- 4. Installation of the subsurface utility lines will be required to support the final residential development of the Site. These utility lines will consist of, but not limited to, sanitary sewer line, stormwater lines, municipal water service, and natural gas. In order to eliminate the risk of exposure to asbestos and impacted soils at the Site during the initial utility installation and any future utility line maintenance, asbestos-free utility corridors will be established. Section 3.5 provides more detail for this task.
- 5. Construction of new building foundations is described in Section 3.6.
- 6. Placement of clean fill, minimal two (2) foot concrete and/or asphalt as appropriate, cap over soil surfaces. All clean fill imported to the Site will adhere to the PADEP Management of Fill Policy (Document No. 258-2182-773). Sampling of clean fill source maybe required as detailed in Section 3.7.

3.4 SITE GRADING

The presence of asbestos mixed throughout the soil at the Site requires that the entire Site be classified as an exclusion zone. The effort to perform all Site redevelopment activities under the requirements of an asbestos exclusion zone would increase the level of effort required, decrease productivity, and increase the risk of potential worker exposure to airborne asbestos. In order to minimize the size of the exclusion zone, pre-grading of the Site will be performed. Pre-grading will involve excavation of soils from cut areas and relocation of the soil to the fill

areas (i.e. basements of demolished buildings). A copy of the grading plan is included as **Appendix 5**.

Grading of the Site will initially be performed adjacent to the paved roadways. Unpaved areas of the Site at which final grade is to be lower than existing grade (Cut Areas) will excavated to the anticipated sub-grade elevation based on the final proposed surface cover over the area. The excavated soil will be placed in areas in which the final grade is to be higher than the existing grade (Fill Areas) or as fill in basements of demolished buildings. The excavation and handling of asbestos and impacted soils will be performed in accordance with protocols described in Section 5.0.

After the excavation of the soil to the pre-grade elevation is completed, all residual soil will be cleaned from the adjacent or nearby paved surfaces by rinsing the roadways with potable water using a spray nozzle. Mechanical removal of the soil will be used if required to effectively remove all soil from the paved surfaces. Water used to clean the paved surfaces will be allowed to infiltrate surface soils.

Additionally, the Site grading activities may include focused soil removal work for magnesia and impacted soils to facilitate the development activities. Any excavated materials planned for offsite disposal at permitted facilities will be managed in accordance with all federal, state, and local requirements.

3.5 DEMOLISHED BUILDING FOUNDATIONS

The demolition debris from the remaining walls and floor slabs of the former buildings, in addition to excavated asbestos and impacted soils, will be used as fill in the basements of these buildings on Site. In order to minimize the void space, imported clean fill will be mixed with the concrete/stone debris. Asbestos testing of these materials to be crushed has been completed and found <u>not</u> to contain asbestos. However, air monitoring, in accordance with Section 7.7, will be performed to monitor dust generation and possible asbestos fiber release during the handling of the demolished building debris. If additional fill is required to achieve pre-grade elevations, the concrete and stone debris will be covered with Site soil obtained from the cut areas. The fill placed in the basements will ultimately be capped in accordance within this

Cleanup Plan.

3.6 SUBSURFACE UTILITY CORRIDORS

The installation of subsurface utility lines will be required to support the final residential development of the Site. These utility lines will consist of, but not limited to, sanitary sewer line, stormwater lines, municipal water service, and natural gas. The proposed locations of utility lines are included as **Appendix 6**.

In order to preclude the risk of exposure to asbestos and impacted soils at the Site during the initial utility installation and any future utility line maintenance, asbestos-free utility corridors will be established. Any existing Site soils within the alignment of the proposed utility corridors will be excavated to approximately two (2) feet below the anticipated depth of the deepest utility line. The width of the excavation will be approximately two (2) feet beyond the anticipated width required to contain all utilities anticipated to be installed in each corridor. Excavated soils will be consolidated to designated fill areas of the Site and/or removed and properly disposed at a permitted facility using procedures described in Section 5.0. The walls and bottom of the utility excavation will then be lined with a geotextile filter fabric and the excavation will be filled with imported clean fill.

In areas where the utility corridors are routed within the basements of the former buildings, the perimeter of the utility corridor will be backfilled with approved demolition debris or soil removed from the cut areas of the Site. The walls and bottom of the utility corridor will then be lined with a geotextile filter fabric and the utility corridor will be backfilled with clean imported backfill to pre-grade elevations.

3.7 NEW BUILDING FOUNDATIONS

The new building foundations will be supported by pilings. In order to preclude the risk of exposure to asbestos and impacted soils are at the Site, when installing the foundations and pilings, excavation of the asbestos and impacted soils are will be performed to approximately six (6) inches below the bottom elevation of the foundation structures and three (3) feet beyond the foot print of the buildings. Excavated soils will be consolidate to designated fill areas of the

Site and/or removed and properly disposed at a permitted facility using procedures described in Section 5.0. After removal of the asbestos and impacted soils to the desired excavation limits, the bottom of the excavation will be backfilled with 6-inches of imported stone. The side walls of the foundation excavation will be lined with polyethylene sheeting or geotextile fabric to prevent exposure of the soils to the air and to construction workers. The foundation work can then be performed using standard construction health and safety protocols.

In areas where the footprints of the proposed new buildings are within the footprint of the basements of the demolished buildings, the existing basement will be backfilled with approved demolition debris or soil removed from cut areas of the Site to the required pre-grade elevations. The basement will then be backfilled with 6-inches of imported stone. The side walls of the foundation excavation will be lined with polyethylene sheeting or geotextile fabric to prevent exposure of the soil to air. The foundation work can then be performed using standard construction health and safety protocols.

In order to maintain the area as non-asbestos work areas, it will be imperative not to expose any soil which potentially contains asbestos. Therefore, pilings will be driven or vibrated into place so that asbestos and impacted soils are not brought up to the clean stone surface. If it is necessary to excavate or auger a pilot hole in any manner, the work zone will be classified as an exclusion zone in accordance with Section 7.6.

3.8 CLEAN FILL & CAPPING

All clean fill imported to the Site will adhere to the PADEP Management of Fill Policy (Document No. 258-2182-773). Samples, if necessary, will be collected and analyzed for VOCs, SVOCs, Priority Pollutant Metals, PCBs, pesticides/herbicides, and asbestos for each 3,000 cubic yards of imported clean fill in accordance with the policy. A copy of a sample clean fill certification is included as **Appendix 7.**

Additional capping measures to be installed include asphalt roads, parking areas, concrete sidewalks, and foundations. Clean Fill cap construction will be a minimum of two (2) feet in thickness. The Remediation Plan is included as **Figure 9**.

4.0 STORMWATER CONTROL

Water generated at the Site which must be controlled to minimize the release of asbestos fibers includes water used for dust suppression and storm water runoff from areas of the Site where asbestos and impacted soils are excavated. The application of water to minimize the generation of dust will be controlled to minimize the generation of runoff to as great an extent as possible while still effectively minimizing the generation of dust. Wherever possible, water used for dust suppression and water from precipitation events will be allowed to infiltrate to the existing ground. However, large rainfall events or dust suppression under certain conditions could produce surface runoff. Runoff control features such as temporary diversion ditches and collection sumps or ponds will be utilized to control surface water runoff during Site redevelopment activities. Proposed water and sediment controls are illustrated on in the E & S Plan included as **Appendix 5**.

A stormwater and erosion control plan (SWECP) has been developed in accordance with Federal, State, and local regulations. Any potentially asbestos impacted sediment removed from the E &S controls as part of operations & maintenance during construction would be reused on site to the extent possible or otherwise will be properly disposed off-site at a permitted facility. As necessary, ponded will be discharged through standard dirt bag filtration devices to prevent sediment from leaving the Site. Additionally, perimeter E & S controls will be maintained throughout the project and will be properly disposed off-site at a permitted facility at the completion of the project.

4.1 DUST CONTROL

Dust suppression during idle time may be achieved by one or more of the following methods:

- Compacting of soil areas that have been disturbed prior to the end of the work day;
- Covering the disturbed areas with geotextile fabric, which would then be weighted down to keep in place;
- Extensive misting of disturbed areas prior to the end of the workday; and/or,
- Misting of disturbed areas, as necessary, 24 hours a day.

Should additional or alternative methods of dust control be needed, they will be evaluated and implemented accordingly.

5.0 ASBESTOS AND IMPACTED SOILS RELOCATION

Asbestos and impacted soils will be deposited in areas designated as cut areas during excavation of utility corridors and during excavation for the construction of foundations for proposed buildings. Since much of the soil at the Site contains asbestos, appropriate health and safety procedures need to be followed in the areas at which ground intrusive activities are being performed. In order to limit potential worker exposure to asbestos fibers, an exclusion zone will be established around the active area of excavation of asbestos and impacted soils as described in Section 7.6. The limits of the exclusion zone will be established by the Site Health and Safety Officer (HSO).

Soil will be excavated using standard soil excavation equipment (i.e. backhoe, front end loader, track hoe). Appropriate care will be exercised during excavation activities so as to minimize soil agitation to the greatest extent practicable. Buckets on excavation equipment will not be overfilled such that soil is falling from the bucket when then bucket is swinging to the location of placement. Whether placing soil in a haulage vehicle, directly into the designated fill area, or on the ground surface adjacent to the excavation, the soil will be carefully released from the excavation equipment. The length of drop will be as short as possible to minimize agitation of the soil and the potential release of dust and asbestos fibers.

Misting systems will be employed to further reduce potential dust emissions during the excavation activities.

The development of the Site will require transportation of asbestos and impacted soils from the cut areas to the fill areas. Transportation will be performed in a manner that will minimize agitation of the soil and the generation of dust and potential release of asbestos fibers. If dump trucks are used, the trucks will be equipped with tarps that will be placed over the beds of the haulage units during transport of the asbestos and impacted soils. If equipment such as a front end loader and/or back hoe is used to transport asbestos and impacted soils, the soil will be completely contained within the bucket and the bucket will not be overfilled such that soil can spill out during transport. Speed of onsite haulage vehicles will also be controlled since the typical types of equipment used to haul soil in off-road conditions tend to bounce on construction haul roads causing release of soil and dust from the transportation vehicles.

When placing soil in the consolidation area, the soil will be carefully placed. The method of placement will minimize the length of drop and the agitation of soil so as to minimize the potential for the generation of dust and release of asbestos fibers.

During all activities associated with the relocation of asbestos and impacted soils, engineering controls will be implemented to minimize the generation of visible emissions. The preferred and primary engineering control will be the application of water to all excavated soil. All waste areas to be disturbed (i.e., excavated, graded, etc.) will be thoroughly pre-wetted with water prior to any disturbance. Water application rates will be monitored to avoid excessive wetting of the material being disturbed. As required during material handling operations, water misting systems will be utilized in the area of work to assist in control of visible emissions. Misting systems will be capable of applying a fine airborne aqueous mist evenly and consistently over the area of material handling without excessive wetting of the wasted materials. If wind or other conditions render misting systems or other emission suppression technique ineffective, then work will cease until selected emission control technique are capable of effectively controlling visible emissions or alternate emissions controls are identified.

Other emission control methods included:

- Minimize the handling of impacted material to the greatest extent possible;
- Roads accessed for construction will be developed as clean areas and maintained as clean (i.e., haul roads) or will have emission control measures such as applying water to the roadways;
- Slow, controlled rate of excavation will be maintained; and;
- The speed limit for all vehicles on the Site will posted at 10 mph.

If conditions occur for which the above emission control techniques are not effective the additional engineering controls will be identified, evaluated, and implemented as appropriate.

6.0 ENGINEERING AND INSTITUTIONAL CONTROLS

The fill areas will be backfilled with asbestos and impacted soils to final pre-grade elevations. Cut areas will be excavated to final pre-grade elevations. The final cover will be dependent on the final use of the area as designated by the final grading plan. The final cover will consist of either an impervious layer such as concrete or asphalt in building roads and sidewalks, parking areas, or at least a two (2) feet of clean imported soil with a vegetative cover established in open green spaces. The cap will constructed to prevent direct contact with the contaminated soil and potential inhalation of asbestos fibers by the future users of the Site.

During placement of imported clean fill material, care will be exercised so that the imported material is not with Site asbestos and impacted soils or cross-contaminated by trucks or equipment previously used to handle Site asbestos and impacted soils. Prior to use for the placement of imported fill material, all equipment which had been used to relocate or in any way handle asbestos and impacted soils are at the Site will be decontaminated at the equipment decontamination facility. Cleaning of equipment will be approved by the HSO prior to returning equipment to be used in the placement of clean imported fill material.

An Environmental Covenant will be prepared which will indicate the final location of all asbestos impacted soil and will identify the presence of the engineering controls placed at the property. The Environmental Covenant will also contain reference to a Post-Remediation Care Plan which will describe requirements for future inspection and maintenance of the installed engineering controls.

7.0 HEALTH AND SAFETY

7.1 GENERAL REQUIREMENTS

This section presents the required elements that must be included in the Site specific Health and Safety Plan (HASP) of the construction contractor who will conduct the excavation, relocation, and capping of the asbestos and impacted soils are. A copy of the Site Specific HASP is included as **Appendix 8**. These elements will include:

- All NESHAP requirements for construction work as presented in 40 CFR Part 61, Subpart M;
- All OSHA requirements for construction workers as presented in 29 CFR 1926.1101;
- All OSHA requirements for all workers as presented in 29 CFR 1910.134;
- Proper personal protective equipment (PPE);
- Proper employee monitoring; and
- Proper decontamination after completion of work.

All work will be conducted in accordance with all applicable local, state, OSHA, DOT, RCRA, NESHAP, and CERCLA rules and regulations for industrial construction and waste handling (each where applicable). A written, Site specific HASP will be developed in compliance with the references included in Section 12.0. Prior to commencing any on-Site work, the HASP will be prepared and approved. This HASP will be implemented, maintained, and enforced until final demobilization from the Site has occurred. The HASP, as a minimum, will address the regulations contained in this section.

The health and safety guidelines contained herein are intended to provide for a safe and risk-free work environment for on-Site personnel and to minimize the impact of activities involving contract with any hazardous materials on the general public and surrounding environment.

Personnel will utilize Level C personal protective equipment in the exclusion zone (as defined in Section 7.6) until it has been determined by the air monitoring program that a downgrade in personal protection is feasible. Level C will include the following:

Air-purifying respirator equipped with P-100 filters;

- Disposable protective coveralls (Tyvek);
- Disposable inner nitrile gloves and outer leather work gloves;
- High-visibility vests;
- Disposal latex overboots;
- Safety glasses;
- Steel toe boots; and,
- Hard hats.

As activities progress, protective equipment requirements may be upgraded or downgraded base on Site conditions/environmental concerns. At a minimum, Site personnel will wear hard hat, safety glasses, high visibility vest, and steel toe boots.

Suitable emergency and first aid equipment will be available in an appropriate location at the Site. Emergency and first aid equipment will include:

- First Aid kit sized to accommodate the number of Site personnel;
- Portable emergency eye wash station;
- A suitable number of fire extinguishers; and
- An emergency hand-held siren/air horn.

At least one certified first aid technician will be on the Site at all times when work is being performed at the Site. This technician may perform other duties but will be available to render first aid when necessary.

Emergency phone numbers will be posted near the Site telephones and select personnel will be furnished with 2-way radios.

Detailed decontamination procedures for both equipment and personnel, including collection and disposal of wash waters, sediments, and spent PPE will be discussed with all personnel working or visiting the Site. A figure of a decontamination pad large enough to accommodate the largest piece of equipment which will contact impacted soils will be provided in the Site specific HASP. All exterior parts of all vehicles, including vehicle tires and vehicle undersides, will be cleaned visibly free of surface contamination prior to leaving the Site.

Some tasks may have the potential for increased exposure and will require closer monitoring. A task hazard assessment for each task will be developed, addressing physical and chemical hazards of concern and including safe work procedures to ensure the safety and health of all personnel. The task hazard assessments will be included as part of the Site specific HASP.

7.2 PROOF OF TRAINING

Site personnel who will be working within any exclusion zone or contamination reduction zone will be required to submit proof of 32-hour (or 40-hour for supervisory personnel) asbestos training, in accordance with AHERA. In addition, site personnel will be required to submit proof of Occupational Safety and Health Administration (OSHA) 40-hour safety training as required under OSHA 29 CFR 1910.120 and 29 CFR 1926.65. Additionally, personnel who will be working in a supervisory capacity will be required to possess documentation of receiving an additional 8 hours of training for supervisory personnel in accordance with OSHA 29 CFR 1910.120 and 29 CFR 1926.65.

The Pennsylvania Department of Labor and Industry will be notified prior to work activities, pursuant to the Pennsylvania's Asbestos Occupations Accreditation and Certification Act of 1990 (Act 194 and 161).

Personnel not in possession of current training will be furnished the required training before being assigned to a task or entering the Site. The majority of this training is covered during the Site specific training and the 40-hour HAZWOPER training and/or asbestos training, as applicable; however, task specific training will be conducted on an as needed basis. Additional information that is to be included as part of the Site specific training, includes the relationship between asbestosis and smoking and the contents of 29 CFR 1923.1101 – Asbestos.

7.3 MEDICAL SURVEILLANCE

Site personnel will be required to comply with medial surveillance requirements as outlined in 29 CFR 1910.120 (f), 29 CFR 1910.134, and their corporate medical surveillance and respiratory protection programs.

7.4 HEALTH & SAFETY OFFICER

A competent and authorized representative herein referred to as the Health & Safety Officer (HSO) will be at the Site during all work activities involving the disturbance of asbestos and impacted soils. The HSO will possess the following minimum qualifications:

- Have a minimum of 2 years working experience specific to the activities being conducted;
- Have a basic working knowledge of state and federal occupational health and safety regulations; and
- Have formal education and/or training in occupational health and safety.

The HSO will have STOP WORK authority when it is necessary or advisable to cease on Site operations. The HSO will conduct daily safety meetings for the on Site personnel. These meeting will include refresher training regarding existing or new equipment and protocols, review ongoing safety issues and procedures, and examination of new Site conditions as they are encountered. Additional safety meeting will be held on an as-needed basis.

A corporate Safety Manager will oversee operations as necessary to ensure that project activities are performed in accordance with the Site specific HASP.

7.5 AUTHORIZATION TO ENTER

All personnel and visitors entering work areas at the Site must have completed appropriate training and medical surveillance (as described in Sections 7.2 and 7.3, respectively) in order to conduct the work activities with which they will be involved. Personnel without such training or medical certification will be to remain in the Support Zone. The HSO will maintain a list of authorized persons; only personnel on the authorized persons list will be allowed within the Site work zones. Visitors must be escorted within the work areas at all times. Visitors expecting to enter exclusion zones must possess current training applicable to the area to be visited and must current medical clearance as well as appropriate training to wear a respirator.

No person will be allowed into the general work area during Site operations without first being given a Site orientation and hazard briefing. This orientation will be presented by the HSO, and

will consist of a review of the Site specific HASP. This review must cover the chemical, physical, and biological hazards, PPE, safe work practices, and emergency procedures for the project. In addition to this meeting, Daily Safety Meetings will be held each day before work begins. All people on the Site, including visitors, must document their attendance to this briefing as well as the Daily Safety Meetings. The information presented in the Daily Safety Meetings may be provided to a visitor during their general Site orientation.

7.6 WORK ZONES DESIGNATION

To minimize the exposure of Site workers and equipment and prevent the transfer of contamination by personnel and equipment to clean areas of off-Site locations, work zones will be established.

The designation of appropriate work zones ensures that (1) Site personnel are properly protected against the hazards, (2) work activities and contamination are confined to specific areas, and (3) personnel can be located, notified, and evacuated in an emergency. The distance between the zones and the size and shape of each zone is based on the conditions specific to the Site. Zone planning should assure that the distance between zone boundaries are large enough for the required operations, provide adequate distance to limit or prevent transfer of contamination, and eliminate the potential of injury due to explosions or fires. Each zone is defined as follows.

Exclusion Zone: This zone is the innermost of the three zones and is the area where personnel and equipment will come into contact with contamination. All personnel within the exclusion zone will wear the specified level of protective clothing and equipment. The primary activity conducted within the exclusion zone will be the excavation and placement of asbestos-impacted Site soil. Depending on the progress of the work, there may be multiple exclusion zones established at the Site at any one time.

Different exclusion zones may contain higher or lower concentrations of hazardous substances, require different levels of worker protection, and preset varying degrees of hazard. Establishing such sub-areas within the exclusion zone allows more flexibility in safety procedures, operations, personnel and equipment decontamination, and use of resources.

Contamination Reduction Zone (CRZ): This zone is a transition area separating the contaminated area (exclusion zone) from the clean area (support zone). The CRS is designed to reduce the probability that the support zone will be affected by contamination of other Site hazards. The concentration within the CRZ decreases as personnel end equipment moves from the edge of the exclusion area to the support zone.

The outer boundary of the CRZ is the Contamination Control Line. Access Control Points regulate the movement of personnel and equipment from the support zone into the CRZ. Personnel entering the CRZ will wear the specified PPO for activities within this zone. Prior to re-entry into the support zone, workers must decontaminate and exit via the established Access Control Point. The design of the CRZ must facilitate personnel and equipment decontamination, emergency response operations, equipment re-supply, sample preparation and packaging, worker temporary resting within predetermined areas, and drainage and collection of water or other liquids used for decontamination. The CRZ may be set up to handle single or multiple exclusion zones.

Support Zone: Non-contaminated outermost zone of the Site. This zone contains needed support equipment and administrative functions. Important factors to consider in the location of the support zone activities are accessibility of roads, highways, railroad tracks, etc; resources such as power lines, telephone, water, visibility to all zones, and distance of the site; wind direction so that it is not downwind of the exclusion zone; and distances maximum possible from Exclusion Zone.

The support zone facilities and functions include:

- a) Command post: Headquarters for the daily supervision and management of Site operations. The post functions are:
 - Maintenance of communications;
 - Site Security;
 - Recordkeeping;
 - Reference Center;
 - Conferences: and

- Sanitation Facilities.
- b) Medical station: The station's functions are:
 - First Aid;
 - Emergency Medical Response;
 - Periodic Medical Surveillance; and
 - Sanitation Facilities.
- c) Equipment and supply center: Maintenance, repair, and supply of all Site equipment, vehicles, and consumables.

7.7 AIR MONITORING PROGRAM

An air monitoring program will be developed to monitor potential exposure to asbestos during the performance of redevelopment activities where asbestos impacted soil is disturbed. An air monitoring program will be developed as part of the Site-specific HASP. At minimum, the air monitoring program must meet the following requirements and applicable local, state, and federal regulations. The air monitoring program sampling and analysis must be administered at the Site by trained, experience technicians. Offsite analysis will be performed by an accredited laboratory. In accordance with NESHAP, no visible asbestos emissions will be permitted during work activities.

7.8 PRE-CONSTRUCTION AIR MONITORING

Background air quality will be established prior to the start of construction activities. Background air quality will be established by the collection of air samples at the upwind and downwind property lines prior to the start of any construction. The purpose of this sampling is to establish a base line of concentrations of asbestos fibers in the ambient air.

A total of 8 samples (including 2 field blanks) will be collected at a pumping rate of 10 liters per minute (Lpm) for a minimum of 120 minutes (for a total of 1,200 liters of air) using a high volume air pump and sampling cassette (0.45 micrometer cellulose ester membrane). Air sampling pumps adhering to the National Institute for Occupational Safety and Health (NIOSH) will be

used. Samples will be submitted to EMSL Analytical Laboratories in Plymouth Meeting, Pennsylvania and will be analyzed using Transmission Electron Microscopy (TEM) to identify asbestos fibers in the air. Local meteorological conditions, such as wind speed, precipitation, humidity, cloud cover, and surface soil moisture will be recorded.

7.9 AIR MONITORING-PERIMETER

When site soils are being disturbed through activities such as excavation, transportation, and consolidation, perimeter air monitoring will be performed. A windsock will be used to establish wind direction during the work day. The HSO will document the wind direction in the log book on a daily basis. Air sampling pumped adhering to NIOSH Method 7402 will be used. A sufficient volume will be collected at six locations, four located on the north south east and west property boundaries and two roaming locations based on prevailing winds and dust monitor results, when work involving asbestos impacted material is occurring. Two additional samples for Quality Assurance/Quality Control (QA/QC will be collected. Samples will be submitted on the same day to EMSL Analytical Laboratories. Samples will be analyzed on an expedited turnaround (i.e., results next morning). The samples will be analyzed using TEM to identify asbestos fibers in the air.

A real time dust monitor will be placed at the downwind side and moved manually across the downwind side of the property line to determine the maximum concentration of dust. One of the six samplers will be moved with the dust monitor to establish a correlation between dust level and average asbestos fiber concentrations if there is a correlation. Any correlation will be used to site samplers in the location that will monitor maximum asbestos fiber concentrations.

Air monitoring results will be evaluated throughout the project and appropriate adjustments will be made to work activities when needed. Additionally, should asbestos emissions be identified, which would constitute an off-site release, monitoring results will be provided to the Borough of Ambler as well as neighboring communities as appropriate (Upper Dublin, Whitpain, Lower Gwynedd).

7.10 AIR MONITORING - PERSONNEL

During tasks where there is potential for exposure to asbestos contaminated materials, at a minimum, the following air sampling strategy will be employed:

- One maximum risk employee out of every four similarly assigned employees from each job designation/assignment will be sampled daily;
- One work shift sample and one 30-minute excursion sample will be collected on the maximum risk employee. The limit for any 30-minute excursion is 1.0 fibers per cubic centimeter;
- Sample analysis will be performed daily by an accredited laboratory; and
- Sampling and analysis will be performed in accordance with the NIOSH Method 7402.

Employees will be required to utilize Level C protection until the results of time-weighted average (TWA) air sampling demonstrate that the engineering controls implemented are effective in controlling fiber emissions. Protocols for the modifications of the levels of PPE will be included in the Site-specific HASP.

The results of all TWA aid sampling will be reviewed by the HSO and Site Superintendent up receipt and appropriate corrective actions will be taken if necessary. Results will be reported to the HSO within 24 hours of receipt.

8.0 CONSTRUCTION OVERSIGHT

The RT-designated representative(s) will oversee all handling of asbestos and impacted soils to ensure that best management practices (BMPs) are employed during the excavation, relocation, and capping of the asbestos-contaminated soils and that proper safety measures are used to ensure the worker safety for all activities.

9.0 REPORTING

A Final Report will be prepared upon the completion of the property redevelopment activities. This report will document all activities conducted to address the identified impacts and the remediation measure conducted. Documentation presenting the details of the installed engineering controls will be provided. A Post-Remediation Care Plan will be included in the Final Report which describes the future activities to be conducted to inspect and properly maintain the engineering controls.

10.0 POST-REMEDIAL CARE PLAN

A post-remedial care (PRC) plan consisting of the following items will be used at the Site to maintain attainment of the Site-Specific Standard and the nonresidential Site use.

- The recording of the Environmental Covenant The Environmental Covenant will document the use of the Site Specific Standard for the soil media. The Environmental Covenant will document the Engineering and Institutional Controls for the property which include:
 - (1) The Engineering Controls (the cap) must be maintained during and after any redevelopment of any portion of the Property contained within the excavation exclusion area (the whole of the real property). The Owner shall inspect the Engineering Controls annually and the Owner shall repair any cracks and other defects in the Engineering Controls in a timely manner;

11.0 CONTACTS

Site contacts are as follows:

Remediator:

AMBLER CROSSINGS DEVELOPMENT PARTNERS, LP C/O John Zaharchuk 201 South Maple Avenue Ambler, PA 19002 484-532-7830 x10 / Fax: 484-532-7833

Consultant:

RT ENVIRONMENTAL SERVICES, INC.

Walter H. Hungarter, III Gary Brown, P.E.

General Manager President

RT Environmental Services, Inc.

RT Environmental Services, Inc.

215 West Church Rd.; Suite 301

King of Prussia, PA 19406

King of Prussia, PA 19406

(610) 265-1510 x 238 (610) 265-1510 x 234

12.0 REFERENCES

Pennsylvania Act 2 Cleanup Plan by Conestoga-Rovers & Associates, Inc., dated 12/2007, Ref. No. 043950(1)

Langan Engineering & Environmental Service, 2006, Act 2 Remedial Investigation Report, April 28,2006.

United States Federal Government – Code of Federal Regulations (CFR)

- 1. 29 CFR 1910.120 Hazardous Waste Operations and Emergency Response (HAZWOPER).
- 2. 29 CFR 1910.134 Respiratory Protection
- 3. 29 CFR 1910.1200 Hazard Communication
- 4. 29 CFR 1926.65 HAZWOPER
- 5. 29 CFR 1926 Subpart P Excavations
- 6. 29 CFR 1926.1101 Asbestos
- 7. 40 CFR Part 61 Subpart M Asbestos National Emission Standard of Hazardous Air Pollutants.

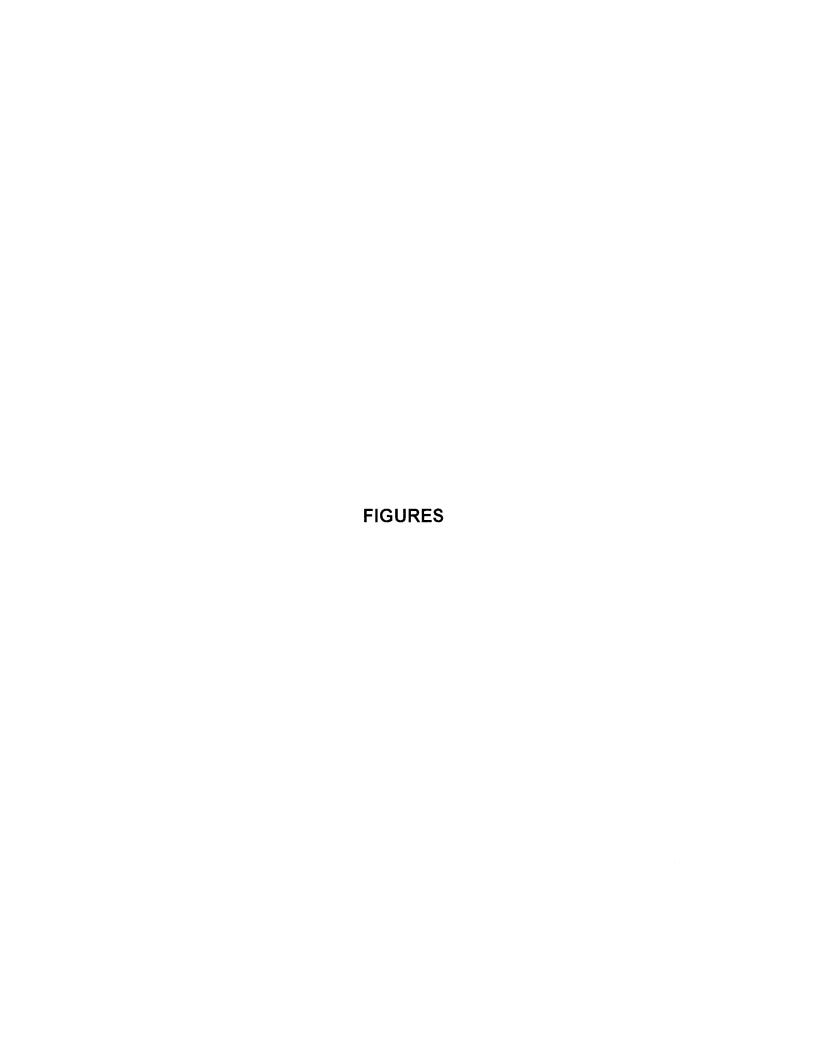


FIGURE 1 SITE LOCATION MAP

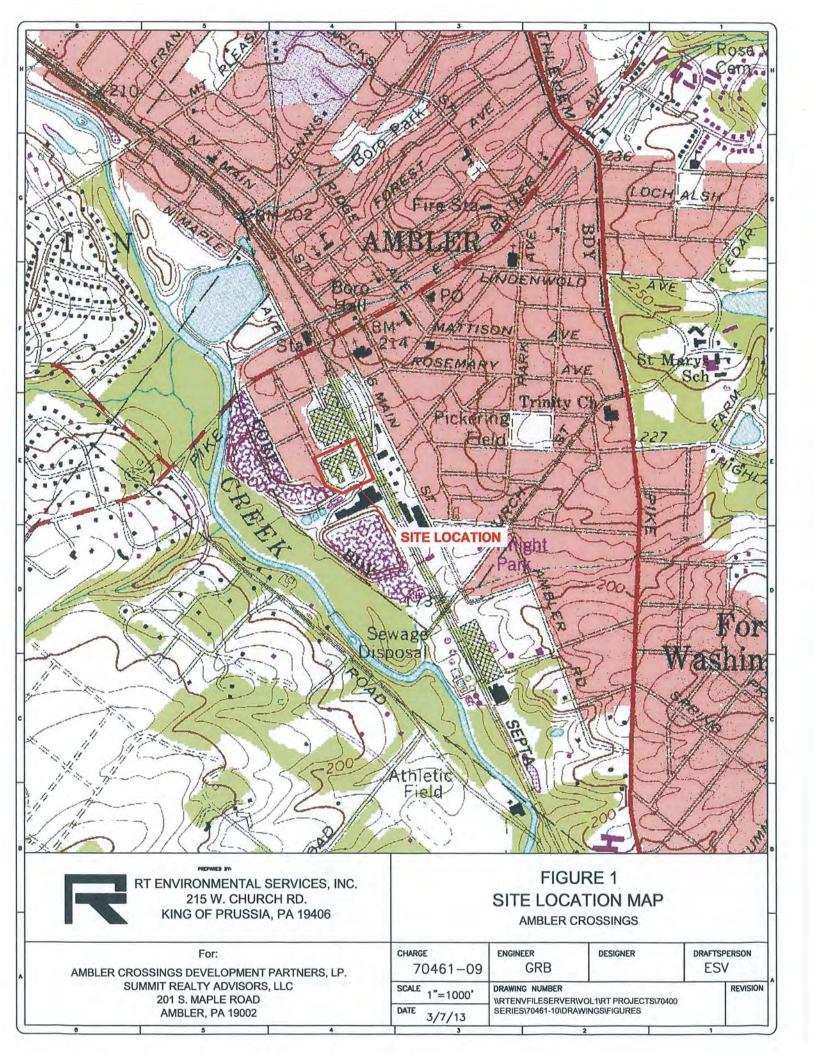


FIGURE 2 SITE DEVELOPMENT PLAN BAST PROPERTY

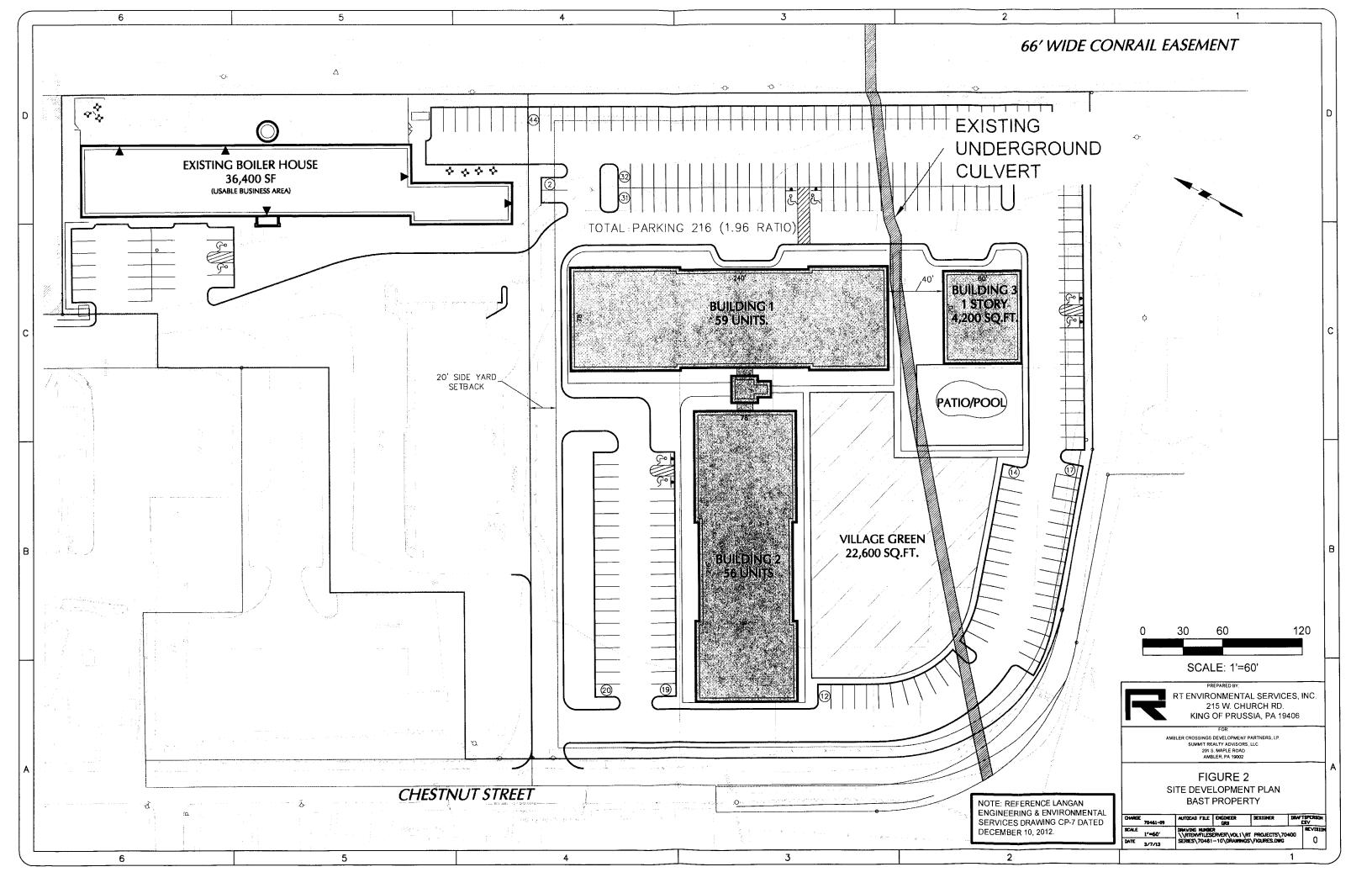


FIGURE 3 CURRENT AERIAL PHOTOGRAPH



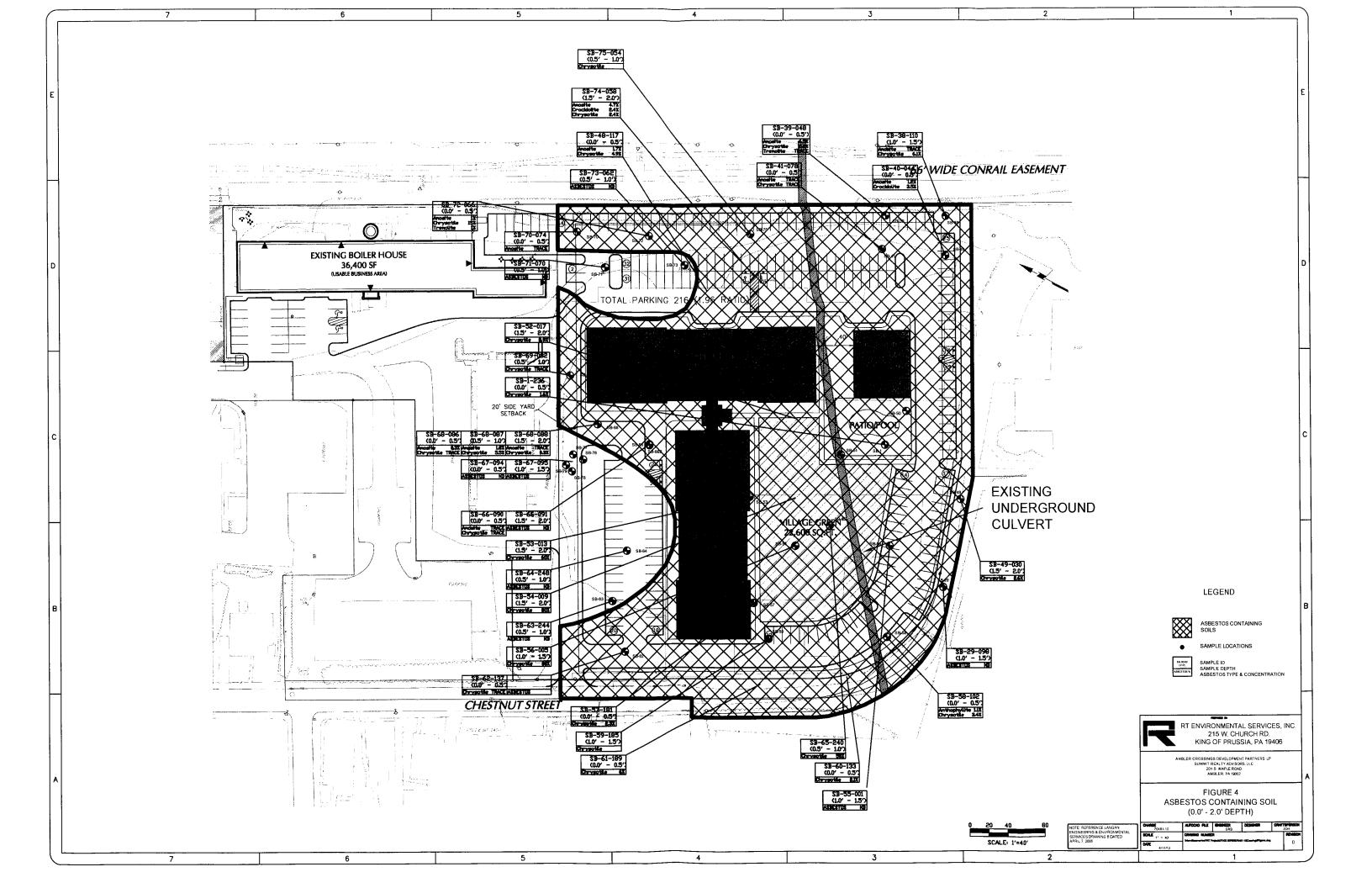


FIGURE 5 ASBESTOS IMPACTED SOILS (2.0' – 10.0' DEPTH)

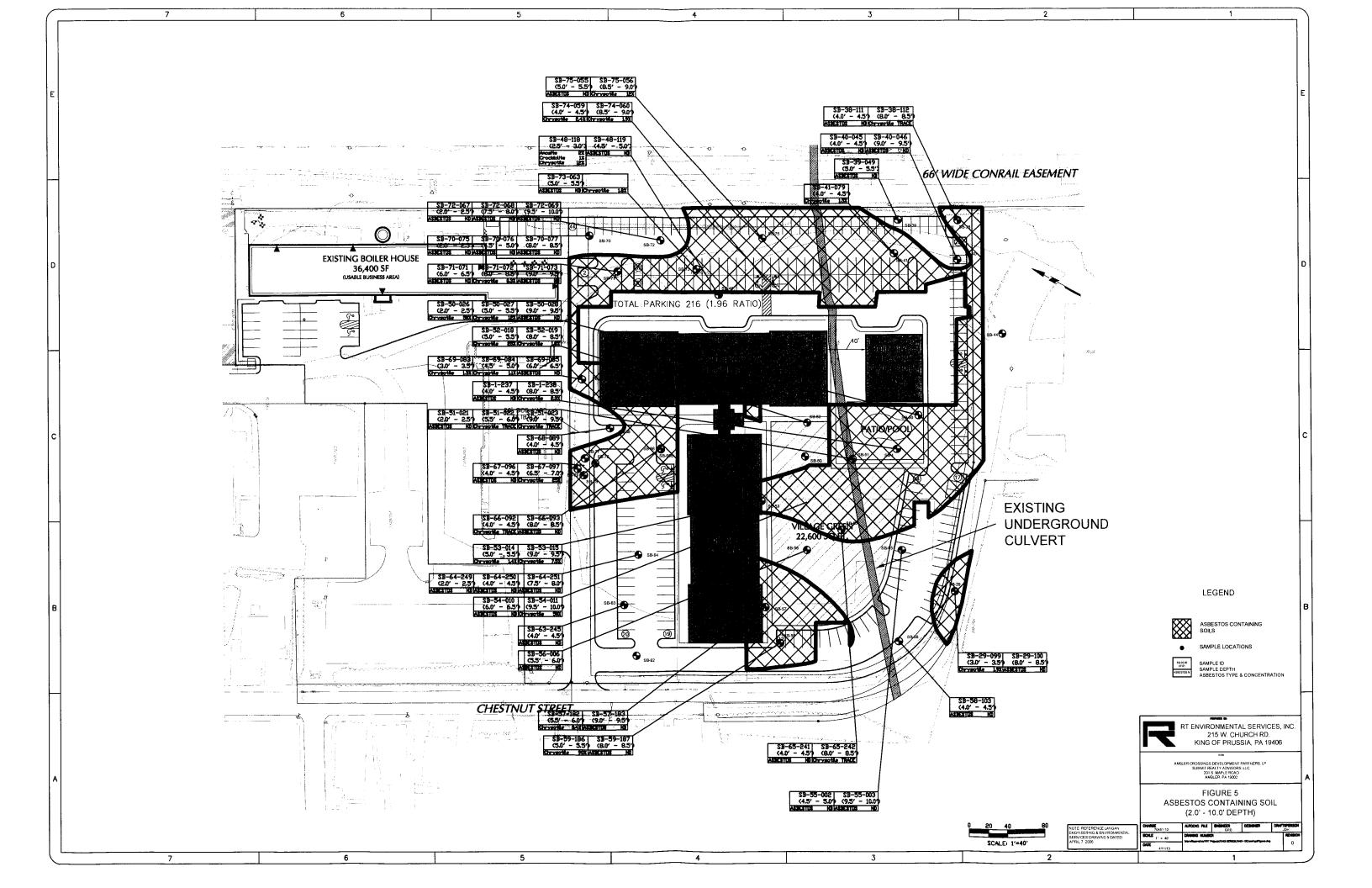


FIGURE 6 ASBESTOS IMPACTED SOILS (GREATER THAN 10.0' DEPTH)

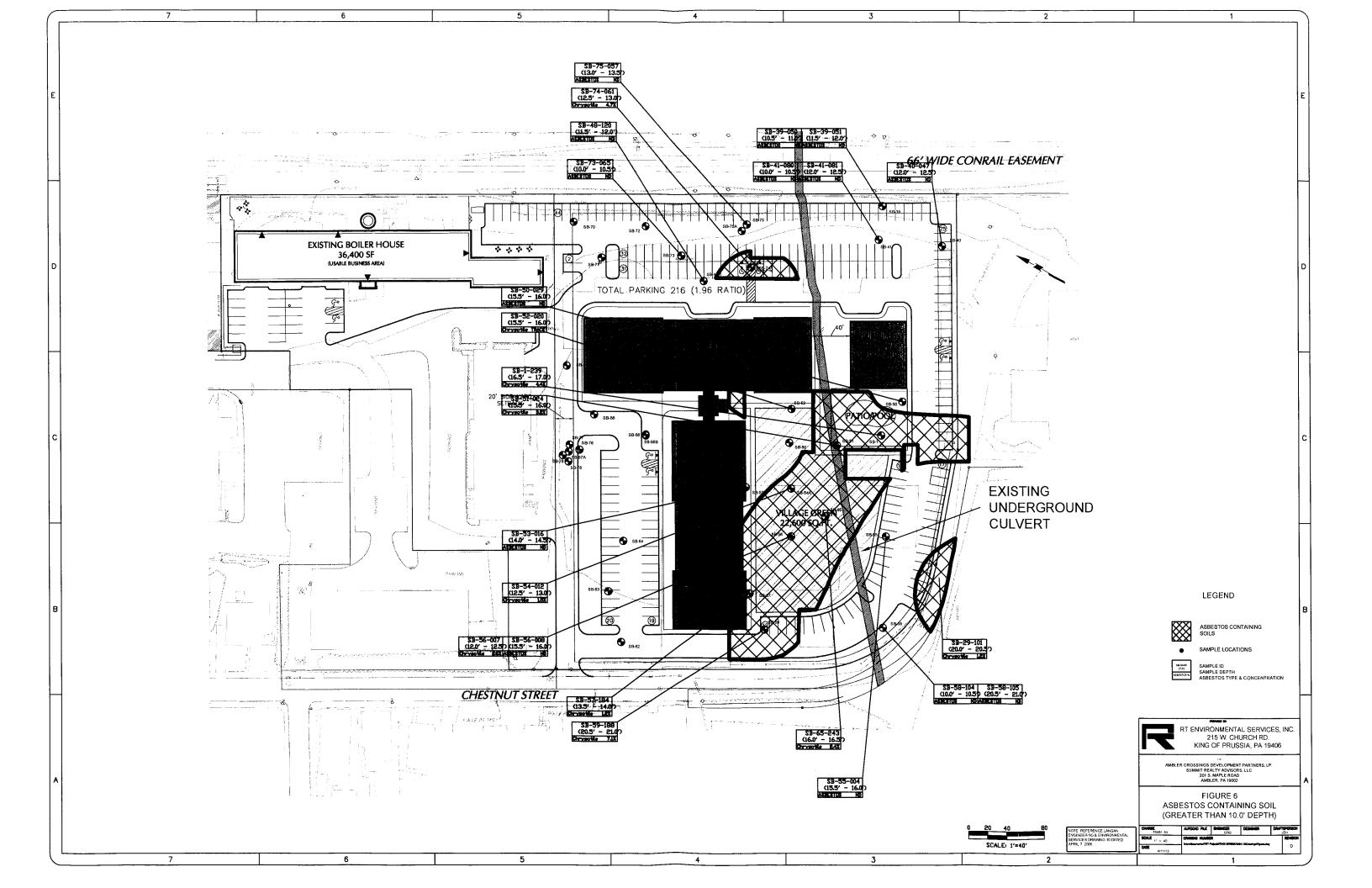


FIGURE 7 EXTENT OF MAGNESIA

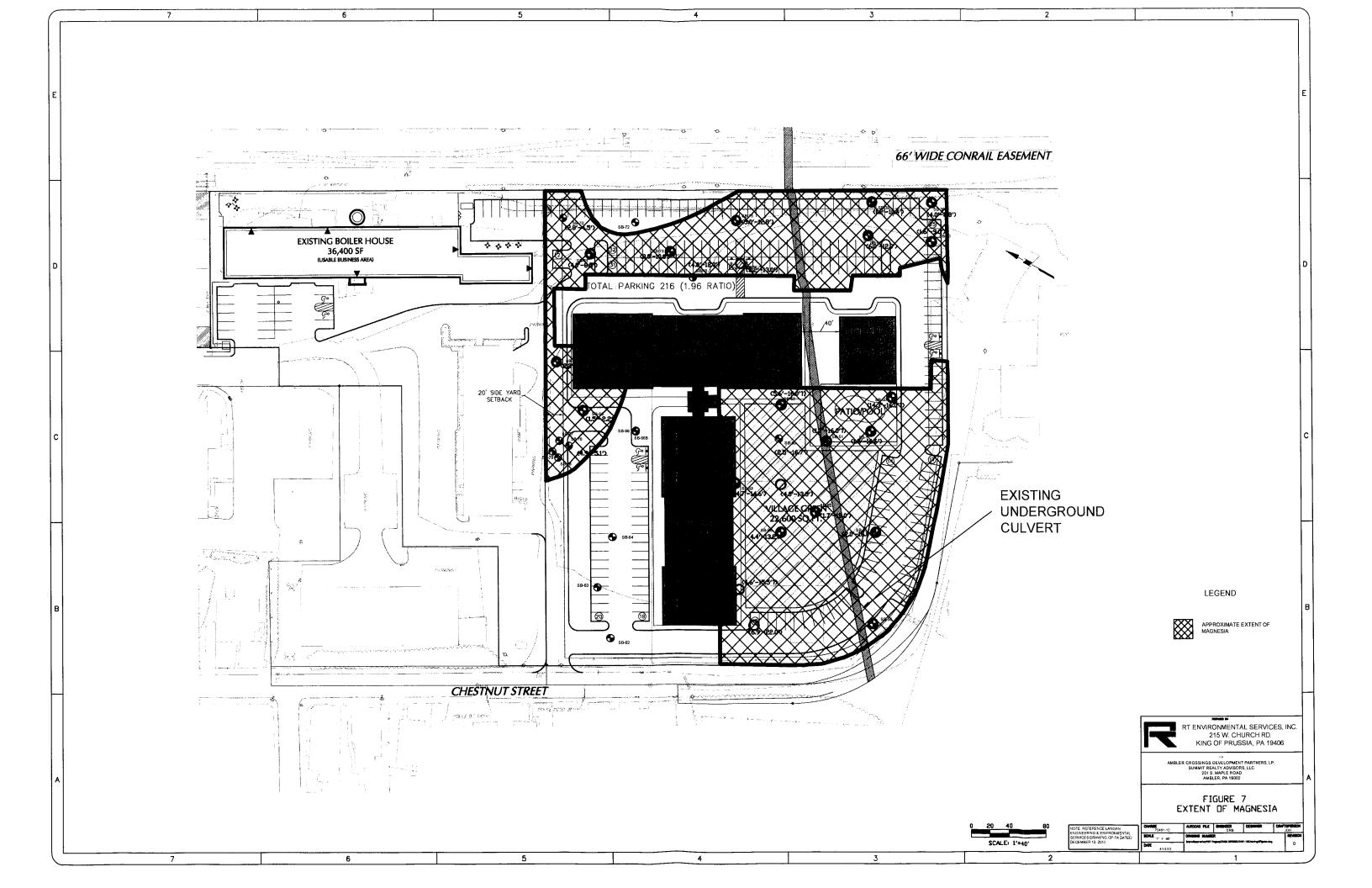


FIGURE 8 ARSENIC IMPACTED SOILS

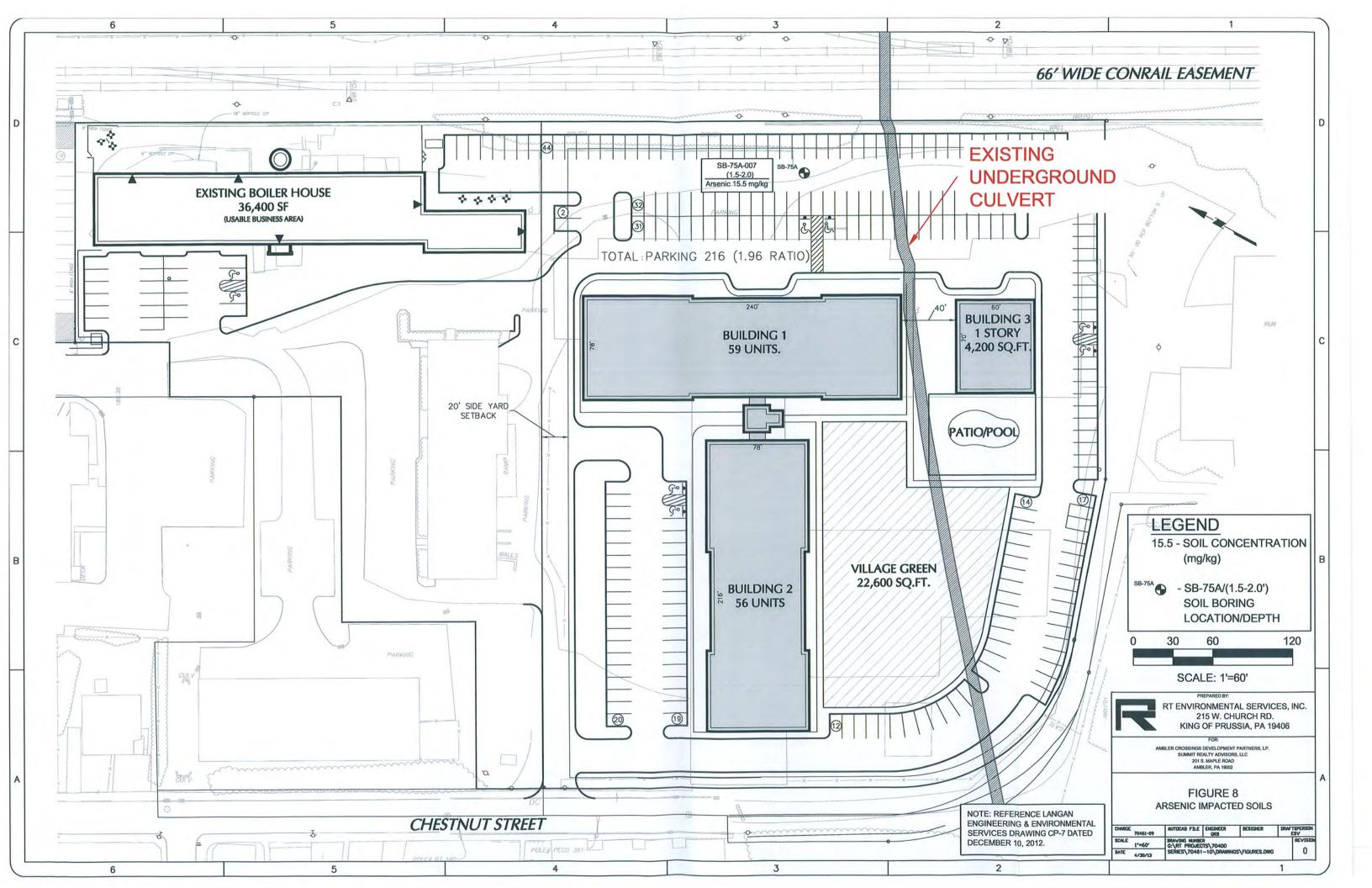
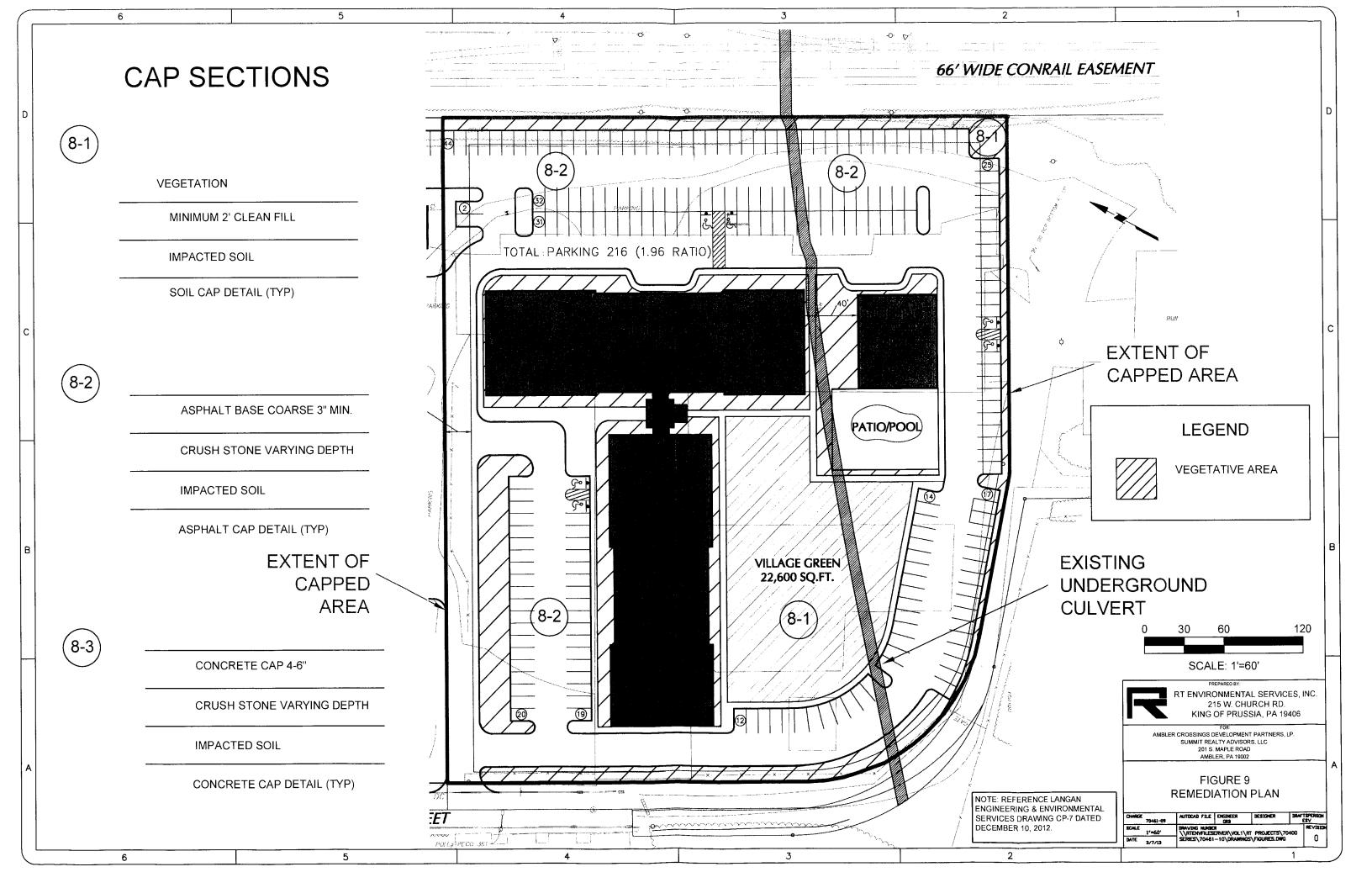


FIGURE 9 REMEDIATION PLAN



APPENDIX 1 NOTIFICATION OF INTENT TO REMEDIATE (NIR)

&

CORRESPONDENCES

March 7, 2013

Mr. Walter Payne, P.G.
Special Projects Section
Pennsylvania Department of the Environmental Protection
Southeast Regional Office
2 East Main Street
Norristown, Pennsylvania 19401
(484) 250-5960 / Fax: (484) 250-5943

RE: SUBMITTAL OF NOTICE OF INTENT TO REMEDIATE

THE BAST PROPERTY

(A PORTION OF THE FORMER NICOLET INDUSTRIES PROPERTY)

SOUTH MAPLE WAY, BOROUGH OF AMBLER MONTGOMERY COUNTY, PENNSYLVANIA

RT PROJECT #70461-09

Dear Mr. Payne:

RT Environmental Services, Inc., (RT) is pleased to submit this letter notifying you that the Notice of Intent to Remediate (NIR) form is enclosed for the above-referenced site and was also submitted to the Borough of Ambler. Extensive environmental investigation work has been conducted at the site historically by varies entities. Ambler Crossings Development Partners, LP (Developer and Remediator) has retained RT to continue the Act 2 process for the Site. As such, we are submitting the enclosed NIR which indicates attainment of the Site Specific Standard will be achieved through Engineering and Institutional controls as part of site redevelopment. The NIR summary newspaper publication, municipal notification, and certified mail receipt for the municipal notification are attached, as well as the NIR.

If you have any questions, please do not hesitate to call me at (610) 265-1510 ex. 238.

Very truly yours,

RT ENVIRONMENTAL SERVICES, INC.

Walter H. Hungarter, III

General Manager

John Zaharchuk – Summit Realty Advisors, LLC C. Herr, G. Brown, K. Eden - RT

G:\RT Projects\70400 SERIES\70461-09\DEP NIR CLEAN UP PLAN NOTICE.doc



CC:

0 COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION COMMUNITY REVITALIZATION AND LOCAL GOVERNMENT SUPPORT

For DEP Use Only				
PF #				
Rem ID #				

NOTICE OF INTENT TO REMEDIATE

Act 1995-2 requires four general information items to be included in the NIR: the general location, listing of contaminants, intended use of property, and proposed remediation measures. In addition, indicate the standard(s) to be obtained (if known) and attach a scaled site map (if available).

Property Name Ambler Crossings - Bast Property							
Former Name(s) / AKA Portion of Former Nicolet Industries P	roperty						
Address / Location South Maple Way							
City Borough of Ambler	Zip Code 19002						
Municipality(s)							
Latitude 40 ° (deg). 09 ' (min) 1.8 " (sec) Longitude Horizontal Collection Method Google Earth	75 _ ° (deg). <u>13 _ ' (min) _25.7 " (sec)</u>						
Wish to participate in the DEP/EPA MOA. Contact Troy Conrad at tconrad@state.pa.us for details.							
EPA ID#, if known							
DEP ID#(s), if known	#, watershed permit, air quality permit #, etc.)						
Date Release Occurred (if known)							
Provide a brief description of the site contamination in plain languag area contamination), the names of any know primary contaminants the property.							
Notice is hereby given that Ambler Crossings Development Partner Pennsylvania Department of Environmental Protection a Notice of In (a portion of the former Nicolet Industries Property) located at Sou (the Site). The site has been found to contain historic fill impacted redeveloped as a multi-family residential development. Impacted risite. Institutional controls will be implemented upon redevelopment remediation measures proposed will attain compliance with the Site Land Recycling and Environmental Remediation Standards Act.	tent to Remediate (NIR) for the Bast Property of Maple Way, Ambler, Montgomery County of with asbestos and arsenic. The Site will be of materials will be consolidated and capped on of ent. The Developer has indicated that the						

Provide a general description of proposed remediation measures.

The Developer plans to use the site-specific standard at the site. The Act provides for a 30-day public comment period for site-specific standard remediation projects. The 30-day comment period is hereby initiated with the publication of this notice. During the 30 day comment period, the Borough of Ambler may submit a request to the Developer to be involved in the development of the remediation and reuse plans for the site. The Borough of Ambler may also submit a request to the Developer during this 30-day comment period to develop and implement a public involvement plan. Copies of these requests and of any comments should also be submitted to the Pennsylvania Department of Environmental Protection, Southeast Regional Office, Environmental Cleanup, 2 East Main Street, Norristown, PA 19401, Attention: Mr. Walter Payne

8000-FM-CRLG0010 Rev. 9/2010								
Remediation Standard(s) planned (if known at t	his time):							
☐ Unknown at this time ☐ Background Contaminants:	☐ Soil ☐ Soil	☐ Groundwater ☐ Groundwater						
Statewide Health - Residential Contaminants:	☐ Soil	☐ Groundwater						
Statewide Health – Non-Residential Contaminants:	☐ Soil	Groundwater						
☒ Site Specific Contaminants: Arsenic and Asbestos	∑ Soil	Groundwater						
☐ Special Industrial Area* Contaminants:	☐ Soil	Groundwater						
*NOTE: Specific standard or Special Industrial Area require a 30-day municipal comment period Remediator / Property Owner / Consultant. Complete the form below for <u>each</u> recipient obtaining a release of liability upon approval of the final report. Attach additional sheets as necessary.								
Remediator		004040						
Contact Person/Title John Zaharchuk - Pr	resident							
Relationship to Site Developer (e.g. owner, remediator, participant in cleanup, co	noultant ata\	Client Type* LP						
1 ' -		aharchuk@summitrealtyadvisors.com						
Phone Number 484-532-7830 x 10 Company Name Ambler Crossing Development P	Partners, LP EIN or Federal II							
Address (street, city, state, zip) _201 S. Maple								
Address (street, city, state, 21p)								
Property Owner								
		eFACTS Client ID*						
Relationship to Site	insultant etc.)	Client Type* LLP						
Phone Number 215.620.9768	Fmail Address	bobbast@catbow.com						
Company Name Maple Ave Park Partner	s, LLP EIN or Federal II	O#						
Address (street, city, state, zip) 110 Spruce La	ine, Ambler, PA 19002							
Consultant Contact Person/Title Walter H. Hungarter	III - General Manager	54070 OF LID\$						
· ·	, iii - Ochcrai Manager	eFACTS Client ID*						
Relationship to Site <u>Consultant</u> (e.g. owner, remediator, participant in cleanup, co	onsultant. etc.)	Client Type*						
Phone Number 610-265-1510 x 238	Email Address	whungarter@rtenv.com						
Company Name RT Environmental Serv	ices EIN or Federal II	23 253 4548						
Address (street, city, state, zip) 215 W. Church Road, King of Prussia, PA 19406								
*Include eFACTS Client ID (if known) "Client Ty Association/Organization	pes" below: Limited Liability company	Partnership-General						
	imited Liability Partnership	Partnership-Limited						
	Municipality Non-Pennsylvania Government	School District Sole Proprietorship						
Federal Agency	Other (Non-Government)	State Agency						
Individual	Pennsylvania Corporation							
Preparer of Notice of Intent to Remediate								
Name Ken S. Eden	Title	Project Manager						
Phone Number 610-265-1510 x 241	Email Address	keden@rtenv.com						
Company Name RT Environmental Services eFACTS Client ID								
Address (street, city, state, zip) 215 W. Church	ch Rd, King of Prussia, l	PA 19 40 6						

March 5, 2013

CERTIFIED MAIL

Mrs. Mary Aversa Borough Manager Borough of Ambler 122 East Butler Avenue Ambler, PA 19002 215-646-1000 x106

RE: NOTICE OF INTENT TO REMEDIATE FOR THE

BAST PROPERTY (A PORTION OF THE FORMER NICOLET

INDUSTRIES PROPERTY)

SOUTH MAPLE WAY, BOROUGH OF AMBLER MONTGOMERY COUNTY, PENNSYLVANIA

RT PROJECT #70461-09

Dear Mrs. Aversa:

RT Environmental Services, Inc. (RT) is pleased to submit this letter notifying you that the Notice of Intent to Remediate (NIR) for the above-referenced site is being submitted to the PA DEP. Act 2 provides that when a site is being remediated to a Site-Specific Standard, the municipality is afforded a 30-day comment period. In accordance with the provisions of the Act, we are formally notifying you of our intent to remediate the subject site. A copy of the NIR, which has been sent to the Department of Environmental Protection ("DEP"), is enclosed. This notice will be published in the <u>Pennsylvania Bulletin</u>, and a summary of the notice will appear in the <u>Ambler Gazette</u>, on Sunday, March 10, 2013.

Publication of this notice in a local newspaper initiates a 30-day public and municipal comment period. During this time, your municipality may request to become involved in the development of the remediation for the site. If the municipality wishes to become involved in this project, please forward your comments to me.

This notice is made under the provision of the Land Recycling and Environmental Standards Act, the Act of May 19, 1995, P.L. 4, No. 2.

Please feel free to contact me if you have any questions at 610/265-1510 ext.238.

Sincerely,

RT ENVIRONMENTAL SERVICES, INC.

ther Hungarter KSE

Walter H. Hungafter, III

General Manager

G:\RT Projects\70400 SERIES\70461-09\70461-09 Municipal NIR.docx

c: John Zaharchuk - Summit Realty Advisors, LLCC. Herr, G. Brown, K. Eden – RT



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All a george energy concession

March 15, 2013

Mr. Robert Bast Maple Avenue Park Partners, LLP 110 Spruce Lane Ambler, PA 19002

Re: ECP - Special Projects - Act 2

> Receipt of Background/SWHS NIR Ambler Crossing-Bast Property eFACTS No. 743384

South Maple Way Borough of Ambler Montgomery County Latitude: 40 09 1.8

Longitude: -75 13 25.7

Dear Mr. Bast:

This letter acknowledges receipt of your Notice of Intent to Remediate (NIR) on March 8, 2013, pertaining to the subject site and submitted in accordance with the Land Recycling and Environmental Remediation Standards Act (Act 2).

The procedures set forth in Act 2 must be followed in order for your site to qualify for the liability protection provided by the Act. Please ensure that proper municipal and public notifications of your NIR submission have been completed. If in the future you choose to utilize either the Site-Specific Standard or the special industrial area cleanup provisions, you will need to resubmit the NIR and follow the requirements relating to public involvement plan coordination with the local municipality. I will be happy to advise you on this issue.

The Department of Environmental Protection (Department) and the county conservation districts (CCD) have implemented a coordinated effort in their respective reviews of Act 2 Remediation and Erosion and Sedimentation (E&S) Plans to ensure compliance with Chapter 102, Post-Construction Stormwater Management (PCSM), and the National Pollutant Discharge Elimination System (NPDES) permitting requirements. Certain earthmoving activities associated with concurrent Act 2 remediation, demolition, and site redevelopment need to be regulated to ensure the prevention of sediment pollution and release of contaminants to area waterways. These activities include:

- Where earthmoving activities are less than 5,000 square feet, Best Management Practices will be followed.
- Earthmoving impacting less than one acre requires an approved E&S Plan meeting the requirements of Chapter 102 and the E&S Manual.
- Earthmoving impacting or disturbing more than one acre requires an NPDES Stormwater Permit and E&S Plan approvals.

NPDES permit applications for site remediation/redevelopment conducted under Act 2 are to be submitted to the respective CCD in which the site is located and copied to the Environmental Cleanup Program. Permit applications for sites located within the City of Philadelphia are to be submitted to Mr. Domenic Rocco, Chief, Stormwater Section, Southeast Regional Office. Plan reviews for Erosion Control and PCSM within the City of Philadelphia will also be coordinated with the Philadelphia Water Department (PWD). As a reminder, any project requiring a Department permit will need to go through a Pennsylvania Natural Diversity Index (PNDI) screening and have any potential conflicts with threatened and endangered species resolved prior to submitting an application.

Attach a copy of this letter to Plans/Permit applications being submitted to the Watershed Management Program or the CCD.

In addition to earthmoving activities, there are certain permits/approvals required for activities encroaching and impacting surface waters of the Commonwealth.

- Activities directly associated with Act 2 remediation do not require a Chapter 105 Water Obstruction and Encroachment Permit (WOEP). However, the substantive requirements contained in the Chapter 105 regulations must be met, including mitigation for impacts to regulated waters and wetlands.
- Activities associated with redevelopment or access to the remediation site requires a WOEP. Contact the Watershed Management Program, Dams and Waterways Section for information at 484.250.5970.
- The U.S. Army Corps of Engineers, Regulatory Branch, should be contacted at 215.656.6728 regarding Federal 404 authorization for filling waters of the United States.

Further guidance can be located on the program's website address located in the first page footer.

Upon completion of remediation, please submit your Final Report to the Department accompanied by the required fee and documentation verifying compliance with the public notification requirements.

I am the case manager assigned to your project and look forward to working with you towards the remediation of your site. I will be calling either you or your environmental consultant in the coming days to introduce myself, discuss your tentative schedule for this project, and to suggest a framework for providing advice, conducting intermediate project reviews, addressing problems that may occur, and assisting in the goal of making your project a success. In part, we measure our success as a public service agency on the ultimate success of projects such as yours. Our Department has resources to assist the remediator in financial, transactional, and intra and inter state agency coordination of activities related to your project. We encourage frequent contact between your representatives and our staff throughout this process. Please note the web address below, as a resource for technical and program information at

http://www.dep.state.pa.us/dep/deputate/airwaste/wm/landrecy/Vol_Clnup.htm . On this web page is a link to FORMS AND LISTS that includes a link to the online Final Report summary form, which we ask that you complete on-line at the time of your Final Report submittal. The forms and lists link also includes optional checklists helpful to assuring that your reports are complete before submittal. Whether or not you choose to use the checklists, our office will perform a technical completeness check (based on the checklists) when the Final Report is submitted.

If you have any questions or need further clarifications of our procedures, please contact me at the phone number located in the first page footer.

Sincerely,
The topher H. Falkler

Christopher H. Falkler

Soil Scientist 2

Environmental Cleanup and Brownfields

cc: Mr. Zaharchuk (Ambler Crossing Development Partner's LLP)

Mr. Hungarter, III (RT Environmental Services)

Mr. Eden (RT Environmental Services)

Dr. DiMino (Montgomery County Health Department)

Mr. Kadwill (Montgomery County Conservation District)

Mr. Patterson

Ms. Fries Mrs. Warren Mr. Payne Ms. Bass Re 30 (cb13ecb) 72.3

APPENDIX 2 AMBLER GAZETTE LEGAL NOTICE

Proof of Publication of Notice

THE AMBLER GAZETTE

State of Pennsylvania, County of Montgomery ss:

Bernard N. DeAngelis, Finance Director of MONTGOMERY NEWSPAPERS LLC, a corporation of the County and State aforesaid, being duly sworn, deposes and says that THE AMBLER GAZETTE is a weekly newspaper published at Ambler, County and State aforesaid, which was established in the year 1879, since which date said newspaper has been regularly issued in said County, and that a copy of the printed notice of publication is attached hereto exactly as the same was printed and published in the regular editions and issues of the said weekly newspaper on the following dates, viz:

NOTICE OF INTENT TO REMEDIATE TO AN ENVIRONMENTAL STANDARD

Notice is hereby given that Ambler Crossings Development Partners, EP (the Developer) has submitted to the Pennsyl-vania Department of Environmental Protection a Notice of Intent to Remediate (NIR) for the Bast Property (a portion of the former Nicolet Industries Property) located at South Maple Way, Ambler, Montgomery County (the Site). The site has been found to contain historic fill impacted with aspestos and arsenic. The Site will be redeveloped as a multi-family residential development. Impacted materials will be consolidated and capped on site. Institutional controls will be implemented upon redevelopment. The Developer has indicated that the remediation measures proposed will attain compliance with the Site Specific Standards established under the Land Recycling and Environmental Remediation Standards The Developer plans to use the

site-specific standard at the site. The Act provides for a 30day public comment period for sité-specific standard remediasite-specific standard refriedation projects. The 30-day comment period is hereby initiated with the publication of this notice. During the 30 day comment period, the Borough of Ambler may exhault a request to Ambler may submit a request to the Developer to be involved in the development of the remediation and reuse plans for the site. The Borough of Ambler may also submit a request to the Developer during this 30day comment period to develop and implement a public involvement plan. Copies of these requests and of any comments should also be submitted to the Pennsylvania Department of Protection, Environmental Southeast Regional Office, Environmental Cleanup, 2 East Main Street, Norristown, PA 19401, Attention: Mr. Walter Payne. This notice is made under the provisions of the Land Recycling and Environmental Remediation Standards Act, the Act of May 19, 1995, P.L. #4, No. 2. Gaz-Mar 10-1A and the 10th day of March A.D 2013

Affiant further deposes he is duly authorized by Montgomery Newspapers LLC, a corporation publisher of The Ambler Gazette, a weekly newspaper, to verify the foregoing statement under oath and also declares the affiant is not interested in the subject matter of the aforesaid notice or publication, and that all allegations in the foregoing statement as to time, place and character of publication are true.

Finance Director, Montgomery Newspapers LLC, a Corporation

Sworn to and subscribed by me this 20th day of March 2013

Notary Public

My Commission Expires: 3/31/2017

COMMONWEALTH OF PENNSYLVANIA

NOTARIAL SEAL MAUREEN SCHMID, Notary Public Upper Dublin Twp., Montgomery County My Commission Expires March 31, 2017

APPENDIX 3 BOROUGH OF AMBLER & AMBLER GAZETTE REPORT SUBMITTAL NOTICES

TEnvironmental Services, Inc.

April 30, 2013

CERTIFIED MAIL

Mrs. Mary Aversa Borough Manager Borough of Ambler 122 East Butler Avenue Ambler, PA 19002 215-646-1000 x106

RE: NOTICE OF CLEANUP PLAN REPORT SUBMITTAL FOR THE

BAST PROPERTY

(A PORTION OF THE FORMER NICOLET INDUSTRIES PROPERTY)

ACT 2 LAND RECYCLING PROJECT

SOUTH MAPLE WAY, BOROUGH OF AMBLER MONTGOMERY COUNTY, PENNSYLVANIA

RT PROJECT #70461-10

Dear Mrs. Aversa:

RT Environmental Services, Inc. (RT) is pleased to submit this letter notifying you that the Cleanup Plan Report for the above-referenced site is being submitted to the PA DEP. The previously PA DEP approved NIR was submitted and this report describes the remediation and cleanup steps for soils at the Site.

This notice is made under the provision of the Land Recycling and Environmental Standards Act, the Act of May 19, 1995, P.L. 4, No. 2.

Please feel free to contact me if you have any questions at 610/265-1510 ext.238.

Sincerely,

RT ENVIRONMENTAL SERVICES, INC.

Walter H. Hungarter, III

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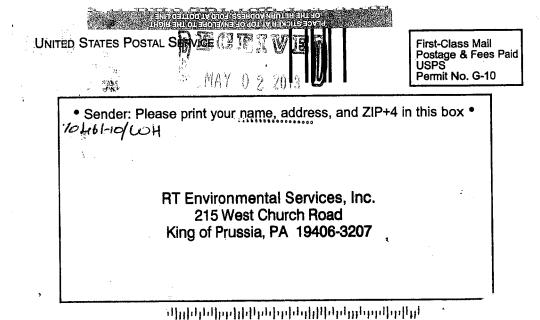
General Manager

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c: John Zaharchuk - Summit Realty Advisors, LLC K. Eden, C. Herr, G. Brown - RT



COMPLETE THIS SECTION ON DELIVERY ENDER: COMPLETE THIS SECTION ■ Complete items 1, 2, and 3. Also complete □ Agent item 4 if Restricted Delivery is desired. Print your name and address on the reverse □ Addresse so that we can return the card to you. C. Date of Delive B. Received by √Frinted Name) Attach this card to the back of the mailpiece, or on the front if space permits. ☐ Yes D. Is delivery address different from item 1? 1. Article Addressed to: If YES, enter delivery address below: Aversa Borough Manager Borough of Ambler 122 E. Butler Ave. 3. Service Type Certifled Mail ☐ Express Mail ☐ Registered Return Receipt for Merchandise ☐ Insured Mail ☐ C.O.D. 4. Restricted Delivery? (Extra Fee) ☐ Yes 2. Article Number 7009 1680 0000 8403 4967 (Transfer from service label) PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540



Proof of Publication of Notice

THE AMBLER GAZETTE

State of Pennsylvania, County of Montgomery ss:

Bernard N. DeAngelis, Finance Director of MONTGOMERY NEWSPAPERS LLC, a corporation of the County and State aforesaid, being duly sworn, deposes and says that THE AMBLER GAZETTE is a weekly newspaper published at Ambler, County and State aforesaid, which was established in the year 1879, since which date said newspaper has been regularly issued in said County, and that a copy of the printed notice of publication is attached hereto exactly as the same was printed and published in the regular editions and issues of the said weekly newspaper on the following dates, viz:

NOTICE OF REPORT SUBMITTAL

Notice is hereby given that Ambler Crossings Development Partners, LP (the Developer) has submitted to the Pennsylvania Department of Environmental Protection a Cleanup Plan for a site located at South Maple Way, Ambler, Montgomery County (the Site). The Site has been found to contain historic fill impacted with asbestos and arsenic. The Site will be redeveloped as a multi-family residential development. Impacted materials will be consolidated and capped on site. Institutional controls will be implemented upon redevelopment. The Developer has indicated that the remediation measures posed will attain compliance with the Site Specific Standards established under the Land Recycling and Environ-mental Remediation Standards This notice is made under the provision of the Land Recycling and Environmental Remedia-

tion Standards Act, the Act of May 19, 1995, P.L. #4, No.2.

Gaz-May 5-1A

and the 5th day of May A.D 2013

Affiant further deposes he is duly authorized by Montgomery
Newspapers LLC, a corporation publisher of The Ambler Gazette, a weekly newspaper, to verify the foregoing statement under oath and also declares the affiant is not interested in the subject matter of the aforesaid notice or publication, and that all allegations in the foregoing statement as to time, place and character of publication are true.

Finance Director, Montgomery Newspapers
LLC, a Corporation

Sworn to and subscribed by me this

Notary Public

My Commission Expires: 3/31/2017

COMMONWEALTH OF PENNSYLVANIA

NOTARIAL SEAL MAUREEN SCHMID, Notary Public Upper Dublin Twp., Montgomery County My Commission Expires March 31, 2017

APPENDIX 4 45-DAY NOTICE LETTER - DATED JULY 5, 2011

RT Environmental Services, Inc.

July 5, 2011

Ms. Fatima ElAbdaoui US EPA – Region 3 Asbestos NESHAP Coordinator (3WC32) 1650 Arch Street Philadelphia, PA 19103

Ms. Jillian Gallagher
PA Department of Environmental Protection
Southeast Regional Office
2 East Main Street | Norristown, PA 19401
Phone: 484.250.7503 | Fax: 484.250.5920

RE: NOTIFICATION UNDER 40 CFR 61.151(d)
BAST PROPERTY
MAPLE AVENUE

RT PROJECT #70461-07

Dear Ms. ElAbdaoui and Ms. Gallagher:

RT Environmental Services, Inc. (RT) is pleased to submit this notice in accordance with 40 CFR 61.151 (d) on behalf of our client Ambler BH Development Partners, LLC, for the Bast Property (Formerly Nicolet Industries Property) located on Maple Ave in Ambler, Pennsylvania. As you are aware Ambler BH Development Partners, LLC is proceeding with redevelopment work on the Ambler Boiler House located adjacent to the Bast Property. As part of the Boiler House redevelopment, several activities which involve earth movement will take place on the Bast Property. These activities are summarized herein.

Overview of Site Activities

Removal of a former rail spur embankment in the portion of the Bast Property which will be used as a future parking area for the redevelopment of the Boiler House. It is noted that a portion of the rail spur embankment is located on the Ambler BH Development Partners, LLC property as well as the Bast Property. The embankment removal will include removal of an elevated brick wall, asbestos abatement of transite piping located just below surface grade of the embankment. A portion of the embankment materials will be staged on the Bast Propert for future use as fill material and a portion will be used as fill material and capped within the Boiler House beneath a new floor slab. Brick, block and/or concrete from the wall removal will be staged on the Bast Property for future use as fill material. The project area is shown in Figure 1.

Task 1 Removal a portion of the brick wall to allow access for abatement of the traniste pipe located just below surface grade of the rail spur embankment. Abatement of ~250 LF of transite piping located along the rail spur embankment. To access the piping, hand shovels will be used to remove approximately 6" of overburden soil from the pipe. This material will be staged directly adjacent to the pipe. The transite piping will be broke at bushing locations taking care not to disturb asbestos containing material. Glovebag techniques will be used to abate friable asbestos located in the vicinity of the bushings within the transite piping. Steel pipes located within the transite piping will be cut following Glovebag removal work. The end sections of transite piping will be bagged,



labeled and placed into a lined rolloff for disposal. It is anticipated that some incidental soil will also be loaded into the lined rolloff container as well. A copy of the 10 day notification which was submitted for the abatement at each property is included in Attachment 1.

- Task 2 Following abatement of the transite piping, exploratory test pits will be installed throughout the rail spur embankment. The top of the former rail spur embankment will be cleared of vegetation and grubbed. Clearing and grubbing materials will be disposed offsite. The purpose of the test pits will be to determine if any additional traniste piping is present at depth throughout the rail spur embankment. A trac-hoe will be used to install test pits from on top of the rail spur embankment. Excavated materials will be staged adjacent to the test pit and will be used as back fill to bring the test pit back to its original grade.
- Task 3 Removal of brick, block and concrete from the rail spur embankment wall will commenced. Brick, block and concrete will be staged on the Bast Property for future use as fill. A trac-hoe will be used to break up the wall sections. A frontend loader and dump truck will be used to transport the brick, block and concrete to stockpile locations on the Bast Property for future use as fill.
- Task 4 A portion of the soil from the rail spur embankment will be moved into the Boiler House and used as fill material to establish a new floor slab grade and a portion will be staged at the Bast Propertyfor future use as fill. Soil from the rail spur embankment will be loaded into dump trucks, moved with bobcats and/or frontend loaders. `Following soil movement, Ambler BH Development Partners, LLC will implement the PA DEP Act 2 Clean-up Plan approved for the site and install the permanent cap (a new concrete floor slab).

Project Status

On June 7, 2011, a 10 day notification was submitted for the work related to abatement of the transite pipe discussed in Task 1 above. There was one notice for the Boiler House Property and a second notice for the vacant project adjacent to the Boiler House (Bast Property). On June 15, 2011, Marcor was informed by PA DEP that the Bast Property was classified as an inactive asbestos disposal facility. This information was immediately communicated to the Ambler BH Development Partners, LLC project team and all work on the Bast Property ceased.

RT met with PA DEP on the Bast Property on June 16, 2011 and completed an inspection of work which was implemented. As of June 16, 2011, the upper portion of the wall had been demolished to gain access to the transite pipe. The brick, block, and concrete from the wall was staged at the bottom of the wall. RT collected five soil samples in the vicinity of the transite pipe to determine if asbestos was present in soils from the former rail spur embankment which was disturbed. Four soil samples were collected from the former rail spur embankment and one soil sample was collected from a debris pile located near a concrete abutment along the wall. Soil samples were analyzed by EMSL Laboratories for asbestos content via EPA 600/R-93/116 Method with CARB 435 Prep. (milling) Level B for 0.1% Target Analytical Sensitivity. Laboratory results indicate that there was no detected asbestos in the former rail spur embankment soil samples, asbestos was detected in the debris pile at a concentration of 0.2%. Analytical results are included in Attachment 2.

As an additional task, Ambler BH Development Partners, LLC requested that RT collect four samples from brick, block and concrete which is proposed to be used on the Bast property as fill material. The purpose of the sampling was to document that the brick, block and concrete qualified as Clean Fill in accordance with the PA DEP Management of Fill Policy following the completion of asbestos abatement activities at the Boiler House. Four samples were collected and submitted to Test America Laboratories, Inc. Samples were analyzed for VOCs (8260B), SVOCs (8270C), pesticides (8081A), PCBs (8082) and RCRA -8 metals (6010B/7471A). Based on the analytical results, the brick, block and concrete from the Boiler House qualified as Clean Fill using the 75% 2x Rule. This material will be staged on the Bast property with the brick, block, concrete from the wall removal associated with the former rail spur embankment and used as Clean Fill on the Bast Property. It is noted that Ambler BH Development Partners, LLC is only staging material on the Bast Property and movement will be by others.

Planned work on the Bast Property will re-commence in accordance with the schedule indicated in this notification.

Procedures to Control Emissions

- 1. Visual inspection during excavation of materials will be completed during excavation work. The visual inspection will be used to determine if asbestos containing materials are present. Should asbestos be observed during excavation work, additional water will be used to control emissions. Should asbestos be observed, further investigation work will be completed to determine the extent. Once the extent is determined, asbestos impacted soils will be staged on plastic on the Bast site and covered for future management by the property owner.
- 2. During soil disturbance activities, care will be taken by the equipment operators to minimize the potential for dust generation during soil movements. Operators will control reduce the speed of activities where practical which will minimize the potential for dust generation. Operators will be given a daily briefing from the site superintendent prior to implementation of work on the Bast Property and review procedures to minimize dust generation during soil movements.
- 3. A water misting system will be employed during soil movement activities to reduce the potential for dust generation during soil movements. The number of misting systems will be sufficient to prevent dust generation without saturating the soil. During the soil movement activities, the inspector will observe soil transport locations for evidence of visual emissions of dust. Should visual emission of dust be observed, operations may be altered in the field to minimize emissions and/or additional misting system may be employed.
- 4. Additionally, air monitoring will be completed during the earth disturbance activities. The inspector will document the prevailing wind direction each day. The inspector will collect up to four air samples each day, an upgradient location (based on wind direction) and three downgradient locations. Air samples will be submitted to EMSL Laboratories for analysis. All air samples will be analyzed via transmission electron microscopy (TEM) via NIOSH method 7402. The TEM method allows for higher resolution and better identification of asbestos fibers. Analytical results will be turned around in 48 hours.

Schedule Update

Task 1 is planned to begin on July 25, 2011 and be completed on July 29, 2011. Task 2 is planned to begin on July 27, 2011 and be completed on August 5, 2011. Task 3 is planned to begin on August 8, 2011and be completed on August 11, 2011. Task 4 is planned to begin on August 11, 2011 and be completed on August 26, 2011.

It is noted that should the start dates listed above need to be changed that an updated 10 day notice will be provide to the Administrator at least 10 working days before excavation work would commence. Further, work will not proceed prior to the dates listed above.

Future Anticipated Earth Disturbance Activities - Bast Property

As the Ambler BH Development Partners, LLC project continues, future anticipated earth disturbance activities will take place on the Bast Property. These activities will be related to installation of a paved parking lot and landscaping features. This work is the subject of a major modification to NPDES #PAI019607002 which is currently being revised by the applicant. It is noted that once schedules for these activities are firmed up, a new notification under 40 CFR 61.151(d) will be provided a minimum of 45 days prior to commencement of activities.

We appreciate your consideration in this matter and look forward to continuing to work with both the Agency and the Department to continue to implement the redevelopment of the Boiler House property. Should you have any questions, please contact me at (610) 265-1510 ext. 238.

Very truly yours,

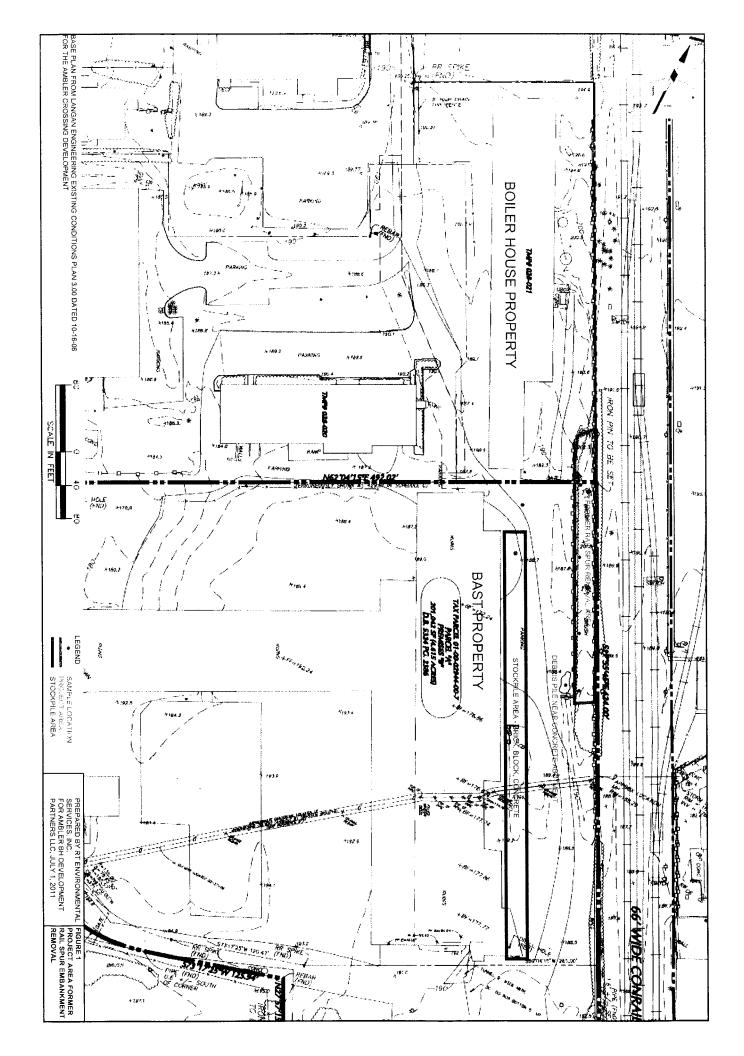
RT ENVIRONMENTAL SERVICES, INC.

Walter H. Hungarter, III General Manager

CC: Asbestos Notification (Overnight/Express Mail)
DEP Bureau of Air Quality
400 Market Street
Harrisburg, PA 17101

Gary R. Brown – RT
J. Zaharchuk – Ambler BH Development Partners, LLC
Brian Fecondo – Domus
Faye Leonard – Marcor

ATTACHMENT 1 – 10 Day Notification Forms Boiler House and Bast Properties ATTACHMENT 2 – Soil Sampling Results Former Rail Spur Embankment/Debris Pile ATTACHMENT 3 – Brick, Block, Concrete Analysis from Boiler House Materials



ATTACHMENT 1 10 DAY NOTIFICATION FORMS BOILER HOUSE AND BAST PROPERTIES



ASBESTOS ABATEMENT AND DEMOLITION/RENOVATION NOTIFICATION FORM

For Official Use Only	Date Received 1	Date Received 2
Postmark Date:		
Project ID#:		
Permit #:		
	j	
Other#:		
Inspector:		L
REFER TO THE ATTACHED INSTRUCTIONS FOR INFORM	IATION AND REQUIREMENTS.	
1. TYPE OF NOTIFICATION (check one):	☐ Initial	☐ Annual Notification
⊠ Revision (highlight here, and changes)	Phase of Annual Notificati	lon
☐ Postponement	☐ Cancellation	
Date of Initial Notification or, if previously revised, date	of last revision: 06/07/11	
2. PROJECT LOCATION (check one):		
☐ Allegheny County ☐ City of Philadelphia	Other Location in PA (spe	ecify county): Montgomery
3. For Allegheny County and City of Philadelphia proje	ects only:	
A. Does this project regulre a permit? Tyes No.	lo (If Yes is checked, a permit ap	oplication must be submitted along with this
notification and approved prior to the start of the pr	roject.)	
B. For City of Philadelphia projects requiring a permit: Asbestos project inspector:	Certific	cation#:
Company name:		
Address:		
City:	State: Zip:	Phone:
A MULL ALTERNATIVE METHODS TO ANY OF THE AP	PPLICABLE REGULATIONS BE U	USED? Yes No
(If Yes is checked, approval must be obtained prio office or local government agency (see reverse of instru	uction Sheet for contact list).	·
5. TYPE OF OPERATION (check one):	Abatement prior to	T For superior Depoyation
☐ Demolition ☐ Ordered Demolition	□ Renovation	☐ Emergency Renovation
6. FACILITY DESCRIPTION:		(see Instructions)
		(DA
City: Ambler 1		te: <u>PA</u> Zip Code: <u>19002</u>
Present use: Vacant Manufacturing		cturing
Will the facility be occupied during the abatement activi		A t
Facility size in square feet: <u>50,000+/-</u>	# of floors: 2	Age in years: 50+
7. ABATEMENT CONTRACTOR:		
Allegheny County or City of Philadelphia License # (if a	applicable):	
_		
Street/Rural/POB Address: 395 Turner Industrial Way	Υ	
Street/Rural/POB Address: 395 Turner Industrial Way City: Aston	y State: <u>PA</u>	

8.	DEMOLITION CONTRACTOR Company name: Geppert Bro		Transitiry (Control of the Control o	**************************************	AND THE PERSON NAMED AND THE P			
	Street/Rural/POB Address: 3		wn Road					
	City: Colmar			PA	The state of the s	Zip: 1891	5	
					No. (between 8:00			7900
9.	FACILITY OWNER: Owner name: Ambler BH Der Street/Rural/POB Address: 8							
	City: Blue Bell		State:	PA		Zip: 1942		whiteless - year
	Contact: John Zaharchuk			Telephone	No. (between 8:00	& 4:30):	302-740-6	3429
	FACILITY INSPECTION (requivalent pullding inspector: Anthony R Date of inspection: July 30, 2 Procedure, including analytical PLM 600 Method	R. Alessandrin 003	lls ar	ny material assu	med to be asbestos	s? 🛛] No
	☐ Building is ID and in danger	of collapse.	An asbestos investiga	ator will be on si	te during demolition	n. (Philade	Iphia only)
-	IS ANY TYPE OF ASBESTOS		⊠ Yes		Yes, please list in #		The only	/
	TYPE OF ACM, DESCRIPTIO FINAL AIR CLEARANCE MET PROVIDE INFORMATION IN SAME FORMAT.	HOD.	S BELOW, THEN CO	ONTINUE ON AI				
Code '	Description of material		Location of mate (room/floor/are		Amount of ACM	Code	Code ***	Code ****
NF2	Debris & Rubble	Throughout	t, Basement Vault		8000	CF	REM	РСМ
FRI	Roofing Debris	Pitched Roo	of	New Address of the Control of the Co	1200	SF	REM	PCM
NFI	Bullt Up Roof	Flat Garage	Roof		2100	SF	REM	PCM
FRI	Pipe Insulation	Throughout			290	LF	REM	PCM
NFII	Transite Panels	Top of Flat	Roof & Chute, Basem	nent Celling	750	SF	REM	PCM
FRI	Pipe insulation	at retaining	wall in soli		55	LF	REM	PCM
				reformación de la constantida como de francien				
Code *		de ** ts	Code *** Type of abatemen		de **** al Clearance		<u> </u>	
NF1 - C NF2 - C (Note:	Cat I nonfriable ACM SF	- Linear ft. - Square ft. - Cubic ft.	REM - Removal CAP - Encapsulati CLO - Enclosure NON - None		M - Phase contrast V - Transmission el			
1	s this project regulated by NES A project that includes the demoit when the amounts of friable ACM	tion of any defi	Yes No Ined "facility" is regulate may be rendered friable	ted by NESHAP.	A renovation project	t is also re or 35 CF.	gulated by	NESHAP

8.	DEMOLITION CONTRACTOR Company name: Geppert Bro	•						
	Street/Rural/POB Address: 3		vn Road				*****	
	04			PA		Zip: <u>1891</u>		***************************************
	Contact: Ed Burns	-		 -	 . (between 8:00			7900
9.	FACILITY OWNER:							
	Owner name: Ambler BH Dey	<u>relopment Par</u>	tners, L.P.					
	Street/Rural/POB Address: 8							
	City: Blue Bell			PA		Zip: <u>1942</u>	2	
	Contact: John Zaharchuk			Telephone No.	(between 8:00	& 4:30):	302-740-6	1429
10.	FACILITY INSPECTION (requ	ired for renov	ration and demolitio	n projects);				
	Bullding inspector: Anthony R	. Alessandrini			Certification	# 03643	34	····
	Date of inspection: July 30, 20	003	Is an	y material assumed	d to be asbesto	3? 🔯 `	Yes [] No
	Procedure, Including analytical	method, if ap	propriate, used to dete	ect the presence of	fasbestos mate	rial:		
	PLM 600 Method					***************************************		
	☐ Building is ID and in danger	of collapse.	An asbestos investiga	tor will be on site d	uring demolition	ı. (Philade	lphia only)
11.	IS ANY TYPE OF ASBESTOS	PRESENT	⊠ Yes	☐ No If Yes	, please list in #	12		
	TYPE OF ACM, DESCRIPTION FINAL AIR CLEARANCE MET		N OF MATERIAL, AF	PPROXIMATE AMO	OUNT OF ACM	TYPE OF	ABATEN	IENT AND
	PROVIDE INFORMATION IN SAME FORMAT.		BELOW, THEN CO	NTINUE ON ANO	THER SHEET,	IF NECES	SSARY, U	SING THE
Code	* Description of material		Location of mate		Amount of ACM	Code	Code	Code
NF2	Debris & Rubble	Throughout	Basement Vault	· · · · · · · · · · · · · · · · · · ·	8000	CF	REM	PCM
					·		ļ	ļ
FRI	Roofing Debris	Pitched Roc	of		1200	SF	REM	PCM
FRI	Roofing Debris	Pitched Roo			1200	SF	REM	PCM
NFI	Built Up Roof	Flat Garage			2100	SF	REM	PCM
NFI FRI	Built Up Roof Pipe Insulation	Flat Garage Throughout	Roof		2100	SF LF	REM REM	PCM PCM
NFI FRI NFII	Built Up Roof Pipe Insulation Transite Panels	Flat Garage Throughout Top of Flat I	Roof Roof & Chute, Basem	ent Celling	2100 290 750	SF LF SF	REM REM	PCM PCM
NFI FRI	Built Up Roof Pipe Insulation	Flat Garage Throughout	Roof Roof & Chute, Basem	ent Celling	2100	SF LF	REM REM	PCM PCM
NFI FRI NFII	Built Up Roof Pipe Insulation Transite Panels	Flat Garage Throughout Top of Flat I	Roof Roof & Chute, Basem	ent Celling	2100 290 750	SF LF SF	REM REM	PCM PCM
NFI FRI NFII	Built Up Roof Pipe Insulation Transite Panels	Flat Garage Throughout Top of Flat I	Roof Roof & Chute, Basem	ent Celling	2100 290 750	SF LF SF	REM REM	PCM PCM
NFI FRI NFII	Built Up Roof Pipe Insulation Transite Panels Pipe insulation	Flat Garage Throughout Top of Flat I at retaining	Roof Roof & Chute, Basem	ent Celling Code *	2100 290 750 55	SF LF SF	REM REM	PCM PCM
NFI FRI NFII FRI	Built Up Roof Pipe Insulation Transite Panels Pipe insulation Coc	Flat Garage Throughout Top of Flat I at retaining	Roof Roof & Chute, Basem wall in soli	Code *	2100 290 750 55	SF LF SF	REM REM	PCM PCM
NFI FRI NFII FRI Code* Type o FRI - F NF1 - (NF2 - ((Note: treats a	Built Up Roof Pipe Insulation Transite Panels Pipe insulation Coof ACM United Transite ACM Cat I nonfriable ACM SF	Flat Garage Throughout Top of Flat I at retaining Be ** S Linear ft, Square ft, Cubic ft,	Roof Roof & Chute, Basem wall in soil Code ***	Code * Final C PCM -	2100 290 750 55	SF LF SF LF	REM REM REM	PCM PCM

14.	OPE	RATION SCHEDULE(S) (as ap	plicable)							,
	A.	Asbestos abatement: Dally hours of operation: Days of week (check)	⊠ Mo	Start Date: <u>7:00</u> ⊠ Tu		am 🗌 pm	Cor to ⊠ Fr	npletion Date 5:00 Sa	e: <u>8/31/11</u> 	n
	B.	Demolition: Daily hours of operation: Days of week (check)	⊠ Mo	Start Date: <u>7:00</u> ⊠ Tu	~~~	am □ pm ⊠ Th	Con to ⊠ Fr	npletion Date 5:00 Sa	e: <u>08/31/11</u> 	n
	C.	Renovation: Daily hours of operation: Days of week (check)	□ Mo	Start Date:		am pm	Con to ☐ Fr	npletion Date	e: ☐ am ☐ pn ☐ Su	n
		MENTS: estos work remaining is limited t	o the pipe at	the top of the	e retaining	wall. That w	ork will co	mmence on	7/25/11.	
15.		CRIPTION OF PLANNED DEM ement Prior to Demolition. Aba					ining wall	demolition.	,	
16.	Wet of prior wrap retain	CRIPTION OF WORK PRACTIONS OF ASBESTOS AT THE methods for friable work and deto removal of segregation barriaped, and placed in a lined wastening wall: the soil will be moved oved from.	E DEMOLIT bris/soil movers. Glovebre transportat	TON AND RE rement, all wo ag method what lion container	NOVATIO ork in segre nere pipe in . **In the e	N SITE: egated areas nsulation is in vent that soil	, Industria itact. Pipe mùst be	il Hyglenist i will be remo	nspection & air test oved in sections, cess pipe at the	8
17.	WAS A.	TE TRANSPORTER(S) Transporter #1 name: Service Street/Rural Address: 58 Pyle City: New Castle	les Lane			DE			<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	
	В.	Transporter #2 name:			·····			: <u>877-999-</u> 9	9559	
		Street/Rural Address: City: Contact:			State:		·			

2700-FM-AQ0021 10/2002

18.	WAS	TE DISPOSAL SITE(S): (any asbestos containing Landfill name: Minerva Landfill	material)	DEP permit #: 15-1292
		Street/Rural Address: 9000 Minerva Rd.		
		City: Waynesboro		
		Contact:		
	₿.	Landfill name:		
		Street/Rural Address:		
		City:		
		Contact:		Telephone:
19.	AIR I	MONITORING FIRM(S)		
	A.	Company name/individual: RT Environmental Se		
		Street/Rural Address: 215 West Church Road		
		City: King of Prussia		
		Contact: Walter Hungarter III		Telephone: 610-265-1510 ext. 238
	В.	Final clearance firm: (if different than 19A) <u>Same</u> Street/Rural Address:		
		City:		
		Contact:		Telephone:
		Final clearance firm was hired by (check one) Other Explain	☐ Contractor	Owner
20.	AIR S	SAMPLE FIRM(S) (City of Philadelphia projects or	ן ly)	
	Α.	PCM company name/individual:	· · · · · · · · · · · · · · · · · · ·	Certification #:
		Street/Rural Address:		
		City:		
		Contact:		Telephone:
	В.	TEM company name:		Certification #:
		Street/Rural Address:		
		City:		
		Contact:		
21.	FOR	EMERGENCY RENOVATIONS:		
~	,	of emergency (mm/dd/yy):	Hour of emerge	ency: am pm
	Desc	ription of the sudden, unexpected event:		
		mation of how the event caused unsafe conditions o		demans or on unreasonable financial hurden as
	±xpla a con	ination of now the event caused unsafe conditions o isequence of complying with the 10 working day noti	r would cause equipment fication requirement:	t damage of all diffeasonable mariotal bardon as
	G 00/1		,	
				·

22.	FOR ORDERED DEMOLITIONS (attach copy of o	rder);	
22.	·	1007.	
	Name of Individual who ordered:		
		Date ordered to begin (mm/dd/yy):	
23.	PREVIOUSLY NONFRIABLE ASBESTOS MATER Stop work immediately, secure area, wet material, regulations. Perform air monitoring.	LOWED IN THE EVENT THAT UNEXPECTED ASBESTOS IS IAL BECOMES CRUMBLED, PULVERIZED, OR REDUCED TO Policy of the contract of the c	OWDER:
24.	PENNSYLVANIA CERTIFICATIONS/LICENSES:		
	Project designer:	Certification #:	
	Contractor (Individual): David Jungers		~
	Supervisor: TBD	Certification #:	
	Contractor (Firm) NCM Demoiltion and Remediate	on, LP Certification #: C0646A	
	BEEN ACCOMPLISHED BY THIS PERSON WILL	OR RENOVATION AND EVIDENCE THAT THE REQUIRED TRANSPER AVAILABLE FOR INSPECTION DURING ALL WORKING HE ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE ACCORDANCE WITH ALL APPLICABLE FEDERAL FEDERA	OURS, AND
26.	I HEREBY CERTIFY THAT THE FOREGOING STA FORM ARE TRUE. THIS CERTIFICATION IS N RELATING TO UNSWORN FALSIFICATION TO A	ATEMENTS AND THE INFORMATION CONTAINED IN THIS NO MADE SUBJECT TO THE PENALTIES SET FORTH IN 18 PAUTHORITIES. Dall 06/30/11	TIFICATION
	Printed Name of Owner/Operator: <u>Jack Bally</u>	Title: Project Manager	
	Printed Name of Owner/Operator, Jack Dany	Tide. I tolear Manager	
**************************************	FOR C	PFFICIAL USE ONLY	



ASBESTOS ABATEMENT AND DEMOLITION/RENOVATION NOTIFICATION FORM

For Official Use Only	Date Received 1 Date Received 2	!
Postmark Date:		
Project ID#:		
Permit #:		•
Other #:		
Inspector:		
		_
REFER TO THE ATTACHED INSTRUCTIONS FOR INFORMA	TION AND REQUIREMENTS.	
1. TYPE OF NOTIFICATION (check one):	☐ Initial ☐ Annual Notification	
☑ Revision (highlight here, and changes)	☐ Phase of Annual Notification	
☐ Postponement	☐ Cancellation	
Date of Initial Notification or, if previously revised, date of	last revision: <u>06/24/11</u>	
2. PROJECT LOCATION (check one): Allegheny County City of Philadelphia	☑ Other Location in PA (specify county): Montgomery	_
notification and approved prior to the start of the proje B. For City of Philadelphia projects requiring a permit: Asbestos project inspector: Company name:	(If Yes is checked, a permit application must be submitted along with the ect.) Certification #:	
Address:		_
	State: Zip: Phone:	
	to the start of the project. Please contact the appropriate DEP region	ıal
5. TYPE OF OPERATION (check one):	Abatement prior to Demolition	
☐ Demolition ☐ Ordered Demolition	⊠ Renovation ☐ Emergency Renovation	
6. FACILITY DESCRIPTION:	Job No.: (see instructions)	
	oler Boller House	
City Ambior	State; PA Zip Code: 19002	
•	Prior use: Part of Industrial Complex	
Will the facility be occupied during the abatement activity?		-
Facility size in square feet: N/A	# of floors: N/A Age in years:	~
7. ABATEMENT CONTRACTOR:		
Company name: MARCOR Environmental, LP		~~
	olicable):	
Street/Rural/POB Address: 395 Turner Industrial Way		
City: Aston	State: <u>PA</u> Zip: 19014	-
Contact: Jack Bally	Telephone No. (between 8:00 & 4:30): 484-480-8931	

8.	DEMOLITION CONTRACT	ror:					
	. ,						
	City:		•		•		
	Contact:			ohone No. (between 8:00	& 4:30):		
9.	FACILITY OWNER:						
			LLP				
			<u> </u>				
						2	
	Contact: Robert Bast			ohone No. (between 8:00	& 4:30):	215-793-6	000
10.	•	•	ation and demolition project				
			4				T No
			Is any materia			res L] No
	Assumed Assumed	rtical method, ir app	ropriate, used to detect the pr	esence of aspestos mate	niai.		
			n asbestos investigator will be		n (Philade	lohia only)
11.	IS ANY TYPE OF ASBEST					apino Vinj	
12.			N OF MATERIAL, APPROXIM	. ,		ABATEM	IENT AND
12.	FINAL AIR CLEARANCE		(0) (()) (2) (() (2)		•		
	PROVIDE INFORMATION SAME FORMAT.	I IN THE SPACES	BELOW, THEN CONTINUE	ON ANOTHER SHEET,	IF NECES	SSARY, U	SING THE
O I .			Location of material	Amount of ACM	Code	Code	Code
Code			(room/floor/area)				TEM
FRI	Transite Pipe with TSI within	Below Surfa	ce Soll in Retaining Wall	250	LF	REM	TEM
					 	· · · · · · · · · · · · · · · · · · ·	1
					 		
					ļ		
					<u> </u>		
•							
Code	<u> </u>	Code **	Code ***	Code ****	L	J	J
Туре		<u>Units</u>	Type of abatement	Final Clearance			
NF1 - NF2 - (Note:	riable ACM Cat I nonfriable ACM Cat II nonfriable ACM Allegheny County all ACM as friable)	LF - Linear ft. SF - Square ft. CF - Cubic ft.	REM - Removal CAP - Encapsulation CLO - Enclosure NON - None	PCM - Phase contras TEM - Transmission e			
13.	is this project regulated by	emolition of any defin	Yes	SHAP. A renovation proje follows: 260 LF or 160 SF	ot is also re or 35 CF.	ogulated by	NESHAP

14.	OP	ERATION SCHEDULE(S) (as ap	plicable)					NAME OF THE PARTY	
	Α.	Asbestos abatement: Daily hours of operation: Days of week (check)	⊠ Mo	Start Date: <u>7:00</u> ⊠ Tu		∄am	Con to ⊠ Fr	npletion Da 5:00 Sa	te: <u>08/31/11</u> □ am ⊠ pm □ Su
	8.	Demolition: Daily hours of operation: Days of week (check)	∐ Мо	Start Date:] am [] pm [] Th	Con to Fr	npletion Da	te: am
	C.	Renovation: Daily hours of operation: Days of week (check)	☐ Mo	Start Date:] am [] pm	Con to □ Fr	npletion Dat	te:
	Φ Δ1	•	Fr., 1910	L., 1 u	L. We	L., 111	£! F1	[] Oa	□ ou
		MMENTS:	'-1	4 et later an	r				
	ADa	tement of newly discovered mate	ariai outsioe	any bullaing	toot print.			· · · · · · · · · · · · · · · · · · ·	
15.	DES	SCRIPTION OF PLANNED DEM	OLITION OF	RENOVATI	ON WORK	·			
10.		nove asbestos transite w/ TSI wit		\ \CNOVATI	ON WORD	\.			
	• • • • • • • • • • • • • • • • • • • •		***************************************						
i I		· · · · · · · · · · · · · · · · · · ·			····	······································			
		***************************************			**************************************				
							***************************************	·····	·
16,	EMI	SCRIPTION OF WORK PRACTIC SSIONS OF ASBESTOS AT THI methods for friable work and del	E DEMOLIT	ION AND RE	IOITAVON	N SITE:			·
		to removal of segregation barrie						 	**************************************
•		oped, and placed in a lined wast	~~~~~~~~~			···			······································
		ning wall: the soil will be moved i			····				
		oved from.				······································	<u></u>		
	*********	**************************************		***************************************					
					 		·····		

17.	WAS A.	STE TRANSPORTER(S) Transporter #1 name: <u>Service</u>	e Transport						
	•	Street/Rural Address: 58 Pyle							
		City: New Castle							9720
		Contact: Randy Bridges						877-999-9	
	В.	Transporter #2 name: Same :		•					
		Street/Rural Address:							
		City:						Zip:	
		Contact:	·····			Te	elephone:		

2700-FM-AQ0021 10/2002

18.	WAS	TE DISPOSAL SITE(S): (any asbestos containing	material)	DEP permit #: 15-1292	
	A.	Landfill name: Minerva Landfill	<u></u>		
		Street/Rural Address: 9000 Minerva Rd.			
		City: Waynesboro			
		Contact:		•	
	В.	Landfill name:		-	
		Street/Rural Address:	Ot-1	7in:	
		City:			
		Contact:		Telephone.	
19.	AIR N	AONITORING FIRM(S)			
	A.	Company name/Individual: RT Environmental Ser			
		Street/Rural Address: 215 West Church Road			
		City: King of Prussia	State: PA	-	
		Contact: Walter Hungarter III			
	В.	Final clearance firm: (if different than 19A) <u>Same</u> Street/Rural Address:			
		City:			
		Contact:			
		Final clearance firm was hired by (check one) Other Explain	⊠ Contractor	Owner Owner	
20.	AIR S	SAMPLE FIRM(S) (City of Philadelphia projects or	nly)		
	A.	PCM company name/Individual:			
		Street/Rural Address:		TO DE LA CONTRACTOR DE	
		Clty:			
		Contact:		Telephone:	
	₿.	TEM company name:		Certification #:	
		Street/Rural Address:			
		City:	State:	Zip:	
		Contact:			
21,	FOR	EMERGENCY RENOVATIONS:			
		of emergency (mm/dd/yy):	Hour of eme	ergency: a	m 🗌 pm
	Desc	cription of the sudden, unexpected event:			
	*******				······································
1					
	Expl a co	anation of how the event caused unsafe conditions o nsequence of complying with the 10 working day not	or would cause equipr ification requirement:	nent damage or an unreasonable financ	

22.	FOR ORDERED DEMOLITIONS (attach copy of or		
	Government agency that ordered:		
	Name of Individual who ordered:	Date ordered to begin (mm/dd/yy):	
	Date of order (min/dwyy).	Date ordered to begin (minutaryy).	
23.	PREVIOUSLY NONFRIABLE ASBESTOS MATERIA	OWED IN THE EVENT THAT UNEXPECTED ASBE AL BECOMES CRUMBLED, PULVERIZED, OR REDUC otlfy regulatory agencies, cleanup in accordance with all	CED TO POWDER:
24.	PENNSYLVANIA CERTIFICATIONS/LICENSES:		
24.	Project designer:	Certification #:	
	Contractor (Individual): <u>David Jungers</u>	· · · · · · · · · · · · · · · · · · ·	044583
	Supervisor: TBD	0 110 11 1	
	Contractor (Firm) NCM Demolition and Remediation		C0646A
			· .
25.	WILL BE ON-SITE DURING THE DEMOLITION OF BEEN ACCOMPLISHED BY THIS PERSON WILL	NED IN THE PROVISIONS OF 40 CFR PART 61 SUBI OR RENOVATION AND EVIDENCE THAT THE REQU BE AVAILABLE FOR INSPECTION DURING ALL WO ACCORDANCE WITH ALL APPLICABLE FEDERAL 06/30/11 erator)	DRKING HOURS, AND
	Printed Name of Owner/Operator: Jack Bally	Title: Project Manager	
26.	I HEREBY CERTIFY THAT THE FOREGOING STA FORM ARE TRUE. THIS CERTIFICATION IS M RELATING TO UNSWORN FALSIFICATION TO A	ATEMENTS AND THE INFORMATION CONTAINED IN IADE SUBJECT TO THE PENALTIES SET FORTH UTHORITIES.	N THIS NOTIFICATION IN 18 PA C.S. §4904
		06/30/11	/D_1_)
	(Original Signature of Owner/Op	erator)	(Date)
	Printed Name of Owner/Operator: Jack Bally	Title: Project Manager	
	FOR C	OFFICIAL USE ONLY	

ATTACHMENT 2 SOIL SAMPLING RESULTS FORMER RAIL SPUR EMBANKMENT/DEBRIS PILE



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Fax: (856) 785-5974 Email: westmontasblab@EMSL.com

Attn: Walter Hungarter

RT Environmental Services, Inc.

215 West Church Road King of Prussia, PA 19406

Fax:

Project:

(610) 265-0687 AMBLER BH

Phone: (610) 265-151038

EMSL Proj:

EMSL Order:

Customer ID:

Customer PO:

Received:

Analysis Date:

6/17/2011

RTES49

70461-01

041115812

06/16/11 7:00 PM

Test Report: PLM Analysis of Bulk Samples for Asbestos via EPA 600/R-93/116 Method with CARB 435 Prep (Milling). Level B for 0.1% Target Analytical Sensitivity

		Non-Asbestos					<u>Asbestos</u>
Sample	Description	Appearance	%	Fibrous	%	Non-Fibrous	% Туре
PL (S-1) 041115812-0001	SOIL-PROPERTY LINE	Black Non-Fibrous Homogeneous			100.00%	Non-fibrous (other)	None Detected
S-2 041115812-0002	SOIL-75 FEET FROM PL	Black Non-Fibrous Homogeneous			100.00%	Non-fibrous (other)	None Detected
S-3 041115812-0003	SOIL-150 FEET FROM PL	Black Non-Fibrous Homogeneous			100.00%	Non-fibrous (other)	None Detected
S-4 041115812-0004	SOIL-CONCRETE END	Brown/Black Non-Fibrous Homogeneous			100.00%	Non-fibrous (other)	None Detected
FP (S-5) 041115812-0005	SOIL-FILL PILE CONCRETE END	Brown/Black Non-Fibrous Homogeneous	3.00% (Cellulose	96.80%	Non-fibrous (other)	0.20% Chrysotile

Initial report from 08/17/2011 18:30:44	
Analyst(s)	Style- Siegel
Garret Vliet (5)	Stephen Siegel, CIH, Laboratory Manager or other approved signatory

This report relates only to the samples itsted above and may not be reproduced except in full, without EMSL's written approval. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. EMSL is not responsible for sample collection activities or method limitations. Some samples may contain asbestos fibers below the resolution limit of PLM. EMSL recommends that samples reported as none detected or less then the limit of detection undergo additional anelysis via TEM. Samples received in good condition unless otherwise noted.

Samples enelyzed by EMSL Analytical, Inc. Cinnaminson, NJ Test Report PLMPTC-7.121.0 Printed: 6/17/2011 7:14:47 PM



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Fax: (856) 786-5974 Email: westmontasblab@EMSL.com

Attn: Walter Hungarter

RT Environmental Services, Inc.

215 West Church Road King of Prussia, PA 19406

Fax: Project:

(610) 265-0687 AMBLER BH

Phone: (610) 265-151038

EMSL Proj:

Received:

Analysis Date:

Customer ID:

Customer PO:

EMSL Order:

6/17/2011

RTES49

70461-01

041115812

06/16/11 7:00 PM

Test Report: PLM Analysis of Bulk Samples for Asbestos via EPA 600/R-93/116 Method with CARB 435 Prep (Milling). Level B for 0.1% Target Analytical Sensitivity

			Non-Asbestos		<u>Asbestos</u>		
Sample	Description	Appearance	%	Fibrous	%	Non-Fibrous	% Туре
PL (S-1) 041115812-0001	SOIL-PROPERTY LINE	Black Non-Fibrous Homogeneous			100.00%	Non-fibrous (other)	None Detected
S-2 041115812-0002	SOIL-75 FEET FROM PL	Black Non-Fibrous Homogeneous			100.00%	Non-fibrous (other)	None Detected
S-3 041115812-0003	SOIL-150 FEET FROM PL	Black Non-Fibrous Homogeneous			100.00%	Non-fibrous (other)	None Detected
S-4 041115812-0004	SOIL-CONCRETE END	Brown/Black Non-Fibrous Homogeneous			100.00%	Non-fibrous (other)	None Detected
FP (S-5) 041115812-0005	SOIL-FILL PILE CONCRETE END	Brown/Black Non-Fibrous Homogeneous	3.00% (Cellulose	96.80%	Non-fibrous (other)	0.20% Chrysotlie

HIJILIGH	report	HOH	UU/ I	1120	11	10.30.44
1						

Analyst(s)

Garret Vliet (5)

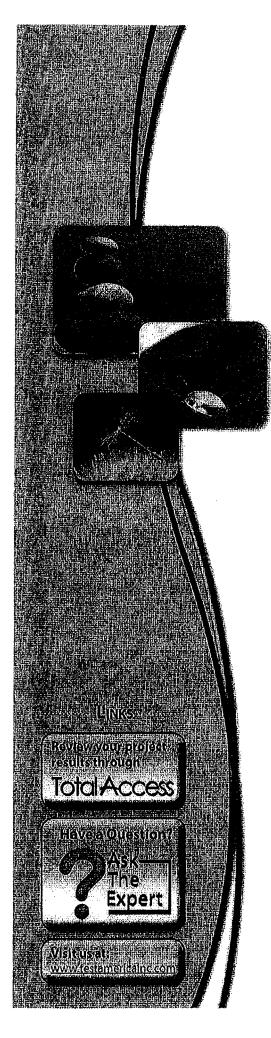
Stephen Siegel, CIH, Laboratory Manager or other approved signatory

This report relates only to the samples listed above and may not be reproduced except in full, without EMSL's written approval. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. EMSL is not responsible for sample collection activities or method limitations. Some asmples may contain asbestos fibers below the resolution limit of PLM. EMSL recommends that samples reported as none detected or less then the limit of detection undergo additional analysis via TEM. Samples received in good condition unless otherwise noted. Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ

Test Report PLMPTC-7.121.0 Printed: 6/17/2011 7:14:47 PM

THIS IS THE LAST PAGE OF THE REPORT.

ATTACHMENT 3
BRICK, BLOCK, CONCRETE ANALYSIS FROM BOILER HOUSE
MATERIALS



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc. TestAmerica King Of Prussia 1008 West Ninth Avenue King of Prussia, PA 19406 Tel: 610.337.9992

TestAmerica Job ID: KUF0338 Client Project/Site: 70461-07

Client Project Description: Ambler BH-CD

For:

RT ENVIRONMENTAL 215 West Church Road King of Prussia, PA 19406

Attn: Walter Hungarter

Controlle.

Authorized for release by: 06/23/2011 01:43:01 PM Crystal Pollock Lab Director crystal.pollock@testamericainc.com

Designee for

Jill Miller Project Manager

jill.miller@testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, this report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature. Page 1 of 26

06/23/2011

resimilarica 300 ib. No



Cover Page	1
Table of Contents	
Sample Summary	3
Definitions	
Client Sample Results	5
Chronicle	
Certification Summary	22
Chain of Custody	23

Sample Summary

Client: RT ENVIRONMENTAL

Project/Site: 70461-07

TestAmerica Job ID: KUF0338

Lab Sample ID	Client Sample ID	Matrix	Collected Re-	ceived
KUF0338-01	CD-1	Soil	06/15/11 11:45 06/15	/11 13:40
KUF0338-02	CD-2	Soil	06/15/11 11:55 08/15	/11 13:40
KUF0338-03	CD-3	Soll	08/15/11 12:00 06/15	/11 13:40
KUF0338-04	CD-4	Soil	06/15/11 12:10 08/15	/11 13:40











Definitions/Glossary

Client: RT ENVIRONMENTAL Project/Site: 70461-07

TestAmerica Job ID: KUF0338

100 N	
4	

Qualifiers

Semivolat	iles,	8270
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Qualifier	Qualifier Description
RL1	Reporting limit raised

Reporting limit raised due to sample matrix effects.

RL8 Reporting limit adjusted to reflect sample amount received and/or analyzed.

Semivolatiles, pest/pcb

Qualifier	Qualifier Description
C4	Calibration Verification recovery was below the method control limit for this analyte.
L1	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.
R1	The RPD between the primary and confirmatory analysis exceeded 40%. Per method 8000B, the higher value was reported.
RL7	Sample required dilution due to high concentrations of target analyte.
Z 5	Due to sample matrix effects, the surrogate recovery was outside acceptance limits. Secondary surrogate recovery was within the acceptance limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
₩	Listed under the "D" column to designate that the result is reported on a dry weight basis.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.

MDL Method Detection Limit
RL Reporting Limit

RE, RE1 (etc.) Indicates a Re-extraction or Reanalysis of the sample.

%R Percent Recovery
RPD Relative Percent D

Relative Percent Difference, a measure of the relative difference between two points.

Client: RT ENVIRONMENTAL

Client Sample ID: CD-1

Date Collected: 06/15/11 11:45 Date Received: 06/15/11 13:40

Project/Site: 70461-07

TestAmerica Job ID: KUF0338

Lab Sample ID: KUF0338-01

E. Carlon	Matrix: Soil
31	Percent Solids: 94.9

Method: EPA 8260B - Volatile Organic Compounds by EPA Method 5035/8260B										
Analyte	Result	Qualifier	RL	MDL	Unit	ם	Prepared	Analyzed	Dil Fac	
1,2,4-Trimethylbenzene	ND		0,0040		mg/kg dry	Ÿ	06/16/11 12:41	06/16/11 23:57	1.0	
1,3,5-Trimethylbenzene	ИD		0.0040		mg/kg dry	₽	06/16/11 12:41	06/16/11 23:57	- 1.0	

Surrogate % Reco	very Qualifier	Limits	Prepared Analyzed	Dil Fac
4-Bromofluorobenzene	97.3	83 - 122	06/16/11 12:41 06/16/11 23:57	1.0

Analyte	Result (Qualifler RL	MDL Unit	D	Prepared	Analyzed	Dit Fac
1,1,1-Trichloroethane	ND	0.0040	mg/kg dr	y 🛱	06/16/11 12:41	06/16/11 23:57	1.0
1,1,2,2-Tetrachloroethane	ND	0.0040	mg/kg dr	y 🌣	08/16/11 12:41	06/16/11 23:57	1.0
1,1,2-Trichloroethane	ND	0.0040	mg/kg dr	y 🌣	06/16/11 12:41	06/16/11 23:57	1.0
1,1-Dichloroethane	ND	0.0040	mg/kg dr	y ¤	08/16/11 12:41	06/16/11 23:57	1.0
1,1-Dichloroethene	ND	0.0040	mg/kg đr	y 🌣	06/16/11 12:41	06/16/11 23:57	1.0
1,2-Dichloroethane	ND	0.0040	mg/kg dry	, ‡	06/16/11 12:41	08/18/11 23:57	1.0
1,2-Dichloropropane	ND	0.0040	mg/kg dry	, ¢	06/16/11 12:41	06/16/11 23:57	1.0
2-Butenone	ND	0.10	mg/kg dry	, ¤	06/16/11 12:41	06/16/11 23:57	1.0
2-Hexanone	ND	0.010	mg/kg dr	/ ☆	06/16/11 12:41	06/16/11 23:57	1.0
4-Methyl-2-pentanone	ND	0.010	mg/kg dry	, ¤	06/16/11 12:41	06/16/11 23:57	1,0
Acetone	ND	0.10	mg/kg dry		06/16/11 12:41	06/16/11 23;57	1.0
Benzene	ND	0.0040	mg/kg dry	, ×	06/16/11 12:41	06/16/11 23:57	1.0
Bromodichloromethane	ФИ	0.0040	mg/kg dry	, ø	06/16/11 12:41	06/16/11 23:57	1.0
Bromoform	ND	0,0040	mg/kg dry	, p	06/16/11 12:41	06/16/11 23:57	1.0
Bromomethane	ДИ	0.0040	mg/kg dry	, \$	06/16/11 12:41	06/16/11 23:57	1.0
Carbon disulfide	ND	0.0040	mg/kg dry	, ¤	06/16/11 12:41	06/16/11 23:57	1,0
Carbon tetrachloride	ND	0.0040	mg/kg dry	, \$	06/16/11 12:41	06/16/11 23:57	1.0
Chlorobenzene	ND	0.0040	mg/kg dry	, Ç	06/16/11 12:41	06/16/11 23:57	1.0
Chlorodibromomethene	ND	0.0040	mg/kg dry	, ģ	06/16/11 12:41	06/18/11 23:57	1.0
Chloroethane	ND	0.0040	mg/kg dry	, p	06/16/11 12:41	06/16/11 23:57	1.0
Chloroform	ND	0.0040	mg/kg dry	, ¤	08/16/11 12:41	06/16/11 23:57	1.0
Chloromethane	ND	0.010	mg/kg dry	, ø	06/16/11 12:41	06/16/11 23:57	1.0
cis-1,2-Dichloroethene	ND	0.0040	mg/kg dry	, ,	06/16/11 12:41	06/16/11 23:57	1.0
cis-1,3-Dichloropropene	ND	0.0040	mg/kg dry	ф	06/16/11 12:41	06/16/11 23;57	1.0
Ethylbenzene	ND	0.0040	mg/kg dry	łD.	06/16/11 12:41	08/18/11 23:57	1.0
sopropylbenzene	ND	0.0040	mg/kg dry	ø	06/16/11 12:41	06/16/11 23:57	1.0
Methyl tert-butyl ether	ND	0.0040	mg/kg dry	Ф	06/16/11 12:41	06/16/11 23:57	1.0
Methylene chloride	. ND	0.0060	mg/kg dry	ø	08/16/11 12:41	08/16/11 23:57	1,0
Styrene	ND	0.0040	mg/kg dry	· ×	06/16/11 12:41	06/16/11 23:57	1.0
Tetrachioroethene	ND	0,0040	mg/kg dry	\$	06/18/11 12:41	06/16/11 23:57	1.0
Toluene	ND	0.0040	mg/kg dry	±Xi	06/16/11 12:41	06/16/11 23:57	1.0
frans-1,2-Dichloroethene	ND	0.0040	mg/kg đry		06/16/11 12:41	06/16/11 23:57	1.0
rans-1,3-Dichloropropene	ND	0.0040	mg/kg dry		08/18/11 12:41	06/16/11 23:57	1.0
Trichloroethene	ND	0.0040	mg/kg dry		08/18/11 12:41	06/16/11 23:57	1.0
Trichlorofluoromethane	ND	0.0040	mg/kg dry		08/18/11 12:41	06/16/11 23:57	1,0
Vinyl chloride	ND	0.0040	mg/kg dry		06/16/11 12:41	06/16/11 23:57	1.0
Kylenes (total)	ND	0.012	mg/kg dry		08/16/11 12:41	08/16/11 23:57	1.0
Surragete	% Passion. C	1 1-14-			<u>.</u> .		

. Surrogate	% Recovery	Qualifier I	Limits	Prepared	Analyzed	DII Fac
Dibromofluoromelhane	102		95 - 122	06/16/11 12:41	06/16/11 23:57	1.0
1,2-Dichloroethane-d4	108	8	35 _ 130	06/16/11 12:41	06/16/11 23:57	1.0
Toluene-d8	101	8	30 - 111	08/16/11 12:41	06/16/11 23:57	1.0
Toluene-d8	101	8	38 - 111	06/16/11 12:41	06/16/11 23:57	1.0

Limits

Method: EPA 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

% Recovery Qualifier

Client: RT ENVIRONMENTAL Project/Site: 70461-07

Client Sample ID: CD-1 Date Collected: 06/15/11 11:45

Surrogate

Date Received: 06/15/11 13:40

TestAmerica Job ID: KUF0338

Matrix: Soil

D/I Fac

Percent Solids: 94.9

Lab Sample ID: KUF0338-01

Analyzed

Prepared









Juliogate	% Recovery	Quanner	Limits			Fieparea	Anaryzeu	Di Pac
4-Bromofluorobenzene	97.3		83 - 122			06/16/11 12:41	08/16/11 23;57	1.0
∷ Method: EPA 8270C - Semivol	otilo Organia Cor	mnounda h	v EDA Mathad 82	700				
Analyte		npourios o Qualifier	Y EPA WEUTOG 62 RL	MDL Unit	D	Prepared	Analyzed	DII Fac
1,2,4-Trichlorobenzene	ND	RL1 RL8	2.4	mg/kg dry	<u> </u>	06/17/11 00:00	08/18/11 03:08	10
1,2-Dichlorobenzene	ND	RL1 RL8	2.4	mg/kg dry	¤	06/17/11 00:00	06/18/11 03:08	10
1,3-Dichlorobenzene	ND	RL1 RL8	2.4	mg/kg dry	¤	06/17/11 00:00	08/18/11 03:08	10
1,4-Dichlorobenzene	ND	RL1 RL8	2.4	mg/kg dry	ø	06/17/11 00:00	06/18/11 03:08	10
2,4,5-Trichlorophenol	ND	RL1 RL8	12	mg/kg dry	ø	06/17/11 00:00	06/18/11 03:08	10
2,4,6-Trichlorophenol	ND	RL1 RL8	2.4	mg/kg dry	¤	06/17/11 00:00	06/18/11 03:08	10
2,4-Dichlorophenol	ND	RL1 RL8	2.4	mg/kg dry	₿	06/17/11 00:00	08/18/11 03:08	10
2,4-Dimethylphenol	ND	RL1 RL8	2.4	mg/kg dry	ø	06/17/11 00:00	06/18/11 03:08	10
2,4-Dinitrophenol	ND	RL1 RL8	12	mg/kg dry	₽	06/17/11 00:00	08/18/11 03:08	10
2,4-Dinitrotoluene	ND	RL1 RL8	2.4	mg/kg dry	₿	06/17/11 00:00	08/18/11 03:08	10
2,6-Dinitrotoluene	ND	RL1 RL8	2.4	mg/kg dry	ø	06/17/11 00:00	06/18/11 03:08	10
2-Chloronaphthalene	ND	RL1 RL8	2.4	mg/kg dry	∌	06/17/11 00:00	06/18/11 03:08	10
2-Chlorophenol	ND	RL1 RL8	2.4	mg/kg dry	p.	06/17/11 00:00	06/18/11 03:08	10
2-Methylnaphthalene	ND	RL1 RL8	2.4	mg/kg dry	ø	06/17/11 00:00	06/18/11 03:08	10
2-Methylphenol	ND	RL1 RL8	2.4	mg/kg dry	ø	06/17/11 00:00	08/18/11 03:08	10
2-Nitroaniline	ND	RL1 RL8	12	mg/kg dry	ž	06/17/11 00:00	06/18/11 03:08	10
2-Nitrophenol	ND	RL1 RL8	2.4	mg/kg dry	₽	06/17/11 00:00	06/18/11 03:08	10
3&4-Methylphenol	ND	RL1 RL8	2.4	mg/kg dry	₽	06/17/11 00:00	06/18/11 03:08	10
3,3'-Dichlorobenzidine	ND	RL1 RL8	12	mg/kg dry	ø	06/17/11 00:00	06/18/11 03:08	10
3-Nitroaniline	ND	RL1 RL8	12	mg/kg dry	₩	06/17/11 00:00	06/18/11 03:08	10
4,6-Dinitro-2-methylphenol	ND	RL1 RL8	12	mg/kg dry	Ф	06/17/11 00:00	06/18/11 03:08	10
4-Bromophenyl-phenyl ether	ND	RL1 RL8	2.4	mg/kg dry	ņ	06/17/11 00:00	06/18/11 03:08	10
4-Chloro-3-methylphenol	ND	RL1 RL8	2.4	mg/kg dry	ø	06/17/11 00:00	06/18/11 03:08	10
4-Chlorogniline	ND	RL1 RL8	2.4	mg/kg dry	33	06/17/11 00:00	06/18/11 03:08	10
4-Chlorophenyl phenyl ether	ND	RL1 RL8	2.4	mg/kg dry	₩	06/17/11 00:00	06/18/11 03:08	10
4-Nitroaniline	ND	RL1 RL8	12	mg/kg dry	₩	08/17/11 00:00	06/18/11 03:08	10
4-Nitrophenol	ND	RL1 RL8	12-	mg/kg dry	Ķŧ	08/17/11 00:00	08/18/11 03:08	10
Acenaphthene	ND	RL1 RL8	2.4	mg/kg dry	Ď	06/17/11 00:00	06/18/11 03:08	10
Acenaphthylene	ND	RL1 RL8	2.4	mg/kg dry	ø	06/17/11 00:00	06/18/11 03:08	10
Aniline	ND	RL1 RL8	2.4	mg/kg dry	¤	06/17/11 00:00	06/18/11 03:08	10
Anthracene	ND	RL1 RL8	2.4	mg/kg dry	Ф	06/17/11 00:00	06/18/11 03:08	10
Benzo (a) anthracene	ND	RL1 RL8	2.4	mg/kg dry	ø	06/17/11 00:00	06/18/11 03:08	10
Benzo (a) pyrene	ND	RL1 RL8	2.4	mg/kg dry	₽	06/17/11 00:00	06/18/11 03:08	10
Benzo (b) fluoranthene	ND	RL1 RLB	2.4	mg/kg dry	Ď,	06/17/11 00:00	06/18/11 03:08	10
Benzo (g,h,i) perylene	ND	RL1 RL8	2.4	mg/kg dry	o	06/17/11 00:00	06/18/11 03:08	10
Benzo (k) fluoranthene	ND	RL1 RL8	2.4	mg/kg dry	ø	06/17/11 00:00	08/18/11 03:08	10
Benzoic acid		RL1 RL8	12	mg/kg dry	₿	06/17/11 00:00	06/18/11 03:08	10
Benzyl alcohol		RL1 RL8	2.4	mg/kg dry	×	06/17/11 00:00	06/18/11 03:08	10
Bis(2-chloroethoxy)methane		RL1 RL8	2.4	mg/kg dry	×	06/17/11 00:00	08/18/11 03:08	10
Bis(2-chloroethyl)ether	ND	RL1 RL8	1.2	mg/kg dry	ø	06/17/11 00:00	06/18/11 03:08	10
* * * * * * * * * * * * * * * * * * * *		RL1 RL8	2.4	mg/kg dry	ø	06/17/11 00:00	08/18/11 03:0B	10
Bis(2-chloroisopropyl)ether Bis(2-ethylhexyl)phthalate	ND ND	RL1 RL8	7.8	mg/kg dry	ø	06/17/11 00:00	06/18/11 03:08	10
		RL1 RL8	2.4	mg/kg dry	×	06/17/11 00:00	06/18/11 03:08	10
Butyl benzyl phthalate		RL1 RL8	2.4	mg/kg dry	ø	06/17/11 00:00	06/18/11 03:08	10
		I CLI I I LLO						
Chrysene Dibenz (a,h) anthracene		RL1 RL8	2.4	mg/kg dry	ø	06/17/11 00:00	06/18/11 03:08	10

Client: RT ENVIRONMENTAL Project/Site: 70461-07

Client Sample ID: CD-1

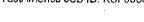
Date Collected: 06/15/11 11:45

Date Received: 06/15/11 13:40

Terphenyi-d14

TestAmerica Job ID: KUF0338

Matrix: Soil





Sample			
	ı	Vlatri	x: Soil

08/17/11 00:00 06/18/11 03:08

10

Lab



Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Diethyl phthalate	ND	RL1 RL8	2.4		mg/kg dry	<u> </u>	06/17/11 00:00	06/18/11 03:08	10
Dimethyl phthalate	ND	RL1 RL8	2.4		mg/kg dry	ø	06/17/11 00:00	08/18/11 03:08	10
Di-n-butyl phthalate	ND	RL1 RL8	7.8		mg/kg dry	₽	06/17/11 00:00	06/18/11 03:08	10
Di-n-octyl phthalate	ND	RL1 RL8	2.4		mg/kg dry	Ø	08/17/11 00:00	06/18/11 03:08	10
Diphenylamine	ND	RL1 RL8	2.4		mg/kg dry	ø	06/17/11 00:00	06/18/11 03:08	10
Fluoranthene	ND	RL1 RL8	2.4		mg/kg dry	ŧ)	06/17/11 00:00	08/18/11 03:08	10
Fluorene	ND	RL1 RL8	2.4		mg/kg dry	33	06/17/11 00:00	06/18/11 03:08	10
Hexachlorobenzene	ND	RL1 RL8	2.4		mg/kg dry	13	06/17/11 00:00	06/18/11 03:08	10
Hexachlorobutadiene	ND	RL1 RL8	2.4		mg/kg dry	Þ	08/17/11 00:00	06/18/11 03:08	10
Hexachlorocyclopentadiene	ND	RL1 RL8	2.4		mg/kg dry	₽	06/17/11 00:00	06/18/11 03:08	10
Hexachloroethane	ND	RL1 RL8	2.4		mg/kg dry	ø	06/17/11 00:00	06/18/11 03:08	10
Indeno (1,2,3-cd) pyrene	ND	RL1 RL8	2,4		mg/kg dry	₩.	06/17/11 00:00	06/18/11 03:08	10
Isophorone	ND	RL1 RL8	2.4		mg/kg dry	ø	06/17/11 00:00	06/18/11 03:08	10
Naphthalene	ND	RL1 RL8	2.4		mg/kg dry	ť	06/17/11 00:00	06/18/11 03:08	10
Nitrobenzene	ND	RL1 RL8	2.4		mg/kg dry	尊	06/17/11 00:00	06/18/11 03:08	10
N-Nitrosodi-n-propylamine	- ND	RL1 RL8	2,4		mg/kg dry	XX	08/17/11 00:00	08/18/11 03:08	10
Pentachlorophenol	ND	RL1 RL8	12		mg/kg dry	₿	06/17/11 00:00	06/18/11 03:08	10
Phenanthrene	ND	RL1 RL8	2.4		mg/kg dry	ņ	06/17/11 00:00	06/18/11 03:08	10
Phenol	ND	RL1 RL8	2.4		mg/kg dry	ø	06/17/11 00:00	06/18/11 03:08	10
Pyrene	ND	RL1 RL8	2.4		mg/kg dry	ø	08/17/11 00:00	06/18/11 03:08	10
Surrogate	% Recovery	Qualifier	Limits				Prepared	Anelyzed	DII Fac
2-Fluorophenol	85.6	RL1 RL8	36 - 111				06/17/11 00:00	06/18/11 03:08	10
Phenol-d6	88.4	RL1 RL8	48 - 106				06/17/11 00:00	06/18/11 03:08	10
Nitrobenzene-d5	95.1	RL1 RL8	47 - 106				06/17/11 00:00	06/18/11 03:08	10
2-Fluorobiphenyl	97.0	RL1 RL8	54 - 106				06/17/11 00:00	06/18/11 03:08	10
2,4,6-Tribromophenol	74.6	RL1 RL8	37 - 122				06/17/11 00:00	06/18/11 03:08	10

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND	C4	0.0010	mg/kg dry	<u>\$</u>	06/17/11 00:00	06/20/11 17:00	1.0
alpha-BHC	ND	C4	0.0010	mg/kg dry	₽	06/17/11 00:00	06/20/11 17:00	1.0
beta-BHC	ND	C4	0.0010	mg/kg dry	₩	08/17/11 00:00	06/20/11 17:00	1.0
delta-BHC	ND	C4	0.0010	mg/kg dry	¢	06/17/11 00:00	06/20/11 17:00	1.0
gamma-BHC (Lindane)	ND	C4	0.0010	mg/kg dry	₽	08/17/11 00:00	08/20/11 17:00	1.0
Chlordane (tech)	ND	C4	0.020	mg/kg dry	₽	06/17/11 00:00	06/20/11 17:00	1.0
alpha-Chlordane	ND	C4	0.0020	mg/kg dry	*	06/17/11 00:00	06/20/11 17:00	1.0
gamma-Chlordane	0.018	C4 R1	0.0020	mg/kg dry	₽	08/17/11 00:00	06/20/11 17:00	1,0
4,4′-DDD	ND	C4	0.0060	mg/kg dry	₽	06/17/11 00:00	08/20/11 17:00	1.0
4,4'-DDE	ND	C4	0.0020	mg/kg dry	i)	08/17/11 00:00	06/20/11 17:00	1.0
4,4'-DDT	0.042	C4	0.0060	mg/kg dry	**	08/17/11 00:00	06/20/11 17:00	1.0
Dieldrin	· ND	C4	0.0020	mg/kg dry	₽	06/17/11 00:00	08/20/11 17:00	1.0
Endosulfan I	ND	C4	0.0020	mg/kg dry	ø	08/17/11 00:00	06/20/11 17:00	1.0
Endosulfan II	ND	C4	0.0020	mg/kg dry	32	06/17/11 00:00	06/20/11 17:00	1.0
Endosulfan sulfate	ND	C4	0.0060	mg/kg dry	D	06/17/11 00:00	08/20/11 17:00	1.0
Endrin	0.0046	C4 R1	0.0020	mg/kg dry	₽	08/17/11 00:00	06/20/11 17:00	1.0
Endrin aldehyd e	ND	C4	0.0080	mg/kg dry	**	06/17/11 00:00	06/20/11 17:00	1.0
Endrin ketone	ND	C4	0.0060	mg/kg dry	£3	06/17/11 00:00	08/20/11 17:00	1.0
Heptachlor	ND	C4	0.0010	mg/kg dry	£¥	06/17/11 00:00	06/20/11 17:00	1.0
Heptachlor epoxide	ND	C4	0.0010	mg/kg dry	ø	06/17/11 00:00	06/20/11 17:00	1,0

64 - 118

95.1 RL1 RL8

Client; RT ENVIRONMENTAL

Client Sample ID: CD-1

Date Collected: 06/15/11 11:45

Date Received: 06/15/11 13:40

Project/Site: 70461-07

TestAmerica Job ID: KUF0338

Lab Sample ID: KUF0338-01

Matrix: Soil

Percent Solids: 94.9







Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dii Fac
Methoxychlor	ND	C4	0.020		mg/kg dry	Ø	06/17/11 00:00	08/20/11 17:00	1.0
Toxaphene	ND	Ć4	0.080		mg/kg dry	Ħ.	06/17/11 00:00	08/20/11 17:00	1.0
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	55,6	C4	33 - 111				06/17/11 00:00	06/20/11 17:00	1.0
Decachlorobiphenyl	17.1	C4 Z5	30 - 119				06/17/11 00:00	06/20/11 17:00	1.0
									-
PCB-1016	ND	Qualifier RL7 L1	0.50		Unit mg/kg dry	— <u>B</u>	Prepared 06/21/11 10:14	Analyzed 06/22/11 07:05	DII Fac
PCB-1221	ND	RL7	0.50	r	mg/kg dry	**	06/21/11 10:14	08/22/11 07:05	10
PCB-1232	ND	RL7	0.50		mg/kg dry	Ü	08/21/11 10:14	08/22/11 07:05	10
PCB-1242	· ND	RL7	0.50		mg/kg dry	ø	06/21/11 10:14	06/22/11 07:05	10
PCB-1248	ΝD	RL7	0.50		mg/kg dry	ø	06/21/11 10:14	06/22/11 07:05	10
PCB-1254	0.72	RL7	0.50		mg/kg dry	₽	06/21/11 10:14	06/22/11 07:05	10
PCB-1260	ND	RL7 L1	0.50		mg/kg dry	ij	08/21/11 10:14	08/22/11 07:05	10
Surrogate	% Recovery	Qualif/er	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	52.0	RL7	21 - 119				06/21/11 10:14	06/22/11 07:05	10
Dasaahlamhinhanul		O1 7	40 444						

Maratini	0.200	***************************************	0.100		maller day	- =	00/04/44 00:44	00/04/44 40:07	4.00
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Method: EPA 7471A - Total I	Wetals by EPA 6000	1/7000 Series	Methods						
Silver	ND		2.0		mg/kg dry	D	08/16/11 08:13	06/16/11 13:35	2.0
Selenium	ND		8.0		mg/kg dry	φ	06/16/11 08:13	08/16/11 13:35	2.0
Lead	480		2.0		mg/kg dry	¢	06/16/11 08:13	06/16/11 13:35	2.0
Chromlum	18		5.0		mg/kg dry	φ	06/16/11 08:13	06/16/11 13:35	2.0
Cadmlum	ND		2.0		mg/kg dry	ø	06/16/11 08:13	06/16/11 13:35	2.0
Barlum	99		1.0		mg/kg dry	ø	06/16/11 08:13	06/16/11 13:35	2.0
Arsenic	7.6		2,0		mg/kg dry	ø	06/16/11 08:13	06/16/11 13:35	2.0
Analyte	-	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dii Fac
Method: EPA 6010B - Total I	Metals by EPA 6000)/7000 Series	Methods						
Decachlorobiphenyl	48.0	RL7	10 - 144		*		06/21/11 10:14	06/22/11 07:05	. 10
Tetrachloro-meta-xylene	52.0		21 - 119				06/21/11 10:14	06/22/11 07:05	10

	Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
i	Mercury	0.300		0.100	mg/kg dry	Þ	06/21/11 08:11	08/21/11 13:37	1.00

Client Sample ID: CD-2 Date Collected: 06/15/11 11:55 Date Received: 06/15/11 13:40

Lab Sample ID: KUF0338-02 Matrix: Soil

Percent Solids: 94.4

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		0.0040	mg/kg dry	Ö	06/16/11 12:41	06/17/11 00:27	1.0
1,3,5-Trimethylbenzene	ND		0.0040	mg/kg dry	¢	06/16/11 12:41	08/17/11 00:27	1.0
Surrogate	% Recovery	Qual/fler	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97.0		83 - 122			06/16/11 12:41	06/17/11 00:27	1.0

	Method: EPA 8260B - Volatile Orga	anic Compou	nds by EPA	Method 826	0B					
l	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
ļ	1,1,1-Trichioroethane	ND		0.0040		mg/kg dry	数	06/16/11 12:41	06/17/11 00:27	1.0
	1,1,2,2-Tetrachloroethane	NĐ		0.0040		mg/kg dry	ņ	06/16/11 12:41	06/17/11 00:27	1.0
	1,1,2-Trichloroethane	ND		0.0040		mg/kg dry	ŭ	06/16/11 12:41	06/17/11 00:27	1.0

Client: RT ENVIRONMENTAL Project/Site: 70461-07

TestAmerica Job ID: KUF0338

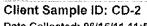












Date Collected: 06/15/11 11:55

Lab Sample ID: KUF0338-02 Matrix: Soll Date Received: 06/15/11 13:40 Percent Solids: 94.4

Analyte		Qualifier	RL	MDL Unit	_ D	Prepared	Analyzed	DII Fa
1,1-Dichloroethane	ND		0.0040	mg/kg dry	338	08/18/11 12:41	06/17/11 00:27	1.0
1,1-Dichloroethene	ND		0.0040	mg/kg dry	ņ	06/16/11 12:41	06/17/11 00:27	1.
1,2-Dichloroethane	ND		0.0040	mg/kg dry	ņ	06/16/11 12:41	06/17/1 1 00:27	1.0
1,2-Dichloropropane	ND		0.0040	mg/kg dry	Ħ	06/16/11 12:41	06/17/1 1 00:27	1.0
2-Butanone	ND		0.10	mg/kg dry	ţ)	06/16/11 12:41	08/17/11 00:27	1.0
2-Hexanone	ND		0.010	mg/kg dry	**	08/18/11 12:41	06/17/11 00:27	1.0
4-Methyl-2-pentanone	ND		0.010	mg/kg dry	₩	06/16/11 12:41	06/17/11 00:27	1.0
Acetone	ND		0.10	mg/kg dry	₿	06/16/11 12:41	08/17/11 00:27	1.0
Benzene	ND		0.0040	mg/kg dry	₽	06/16/11 12:41	08/17/11 00:27	1.0
Bromodichloromethane	ND		0.0040	mg/kg dry	φ	06/16/11 12:41	06/17/11 00:27	1.0
Bromoferm	ND		0.0040	mg/kg dry	₿	06/16/11 12:41	08/17/11 00:27	1.0
Bromomethane	ND		0.0040	mg/kg dry	₽	06/16/11 12:41	06/17/11 00:27	1.0
Carbon disulfide	ND		0.0040	mg/kg dry	Ķ)	06/16/11 12:41	08/17/11 00:27	1.0
Carbon tetrachloride	ND.		0.0040	mg/kg dry	X	06/16/11 12:41	08/17/11 00:27	1,0
Chlorobenzene	ND		0.0040	mg/kg dry	₽	06/16/11 12:41	06/17/11 00:27	1.0
Chlorodibromomethane	ND		0.0040	mg/kg dry	ø	08/18/11 12:41	06/17/11 00:27	1.6
Chloroethane	ND		0.0040	mg/kg dry	¢	06/16/11 12:41	08/17/11 00:27	1.0
Chloroform	ND		0.0040	mg/kg dry	Ď.	06/16/11 12:41	08/17/11 00:27	1.0
Chloromethane	ND		0.010	mg/kg dry	₽.	06/16/11 12:41	06/17/11 00:27	1.0
cis-1,2-Dichloroethene	ND		0.0040	mg/kg dry	ø	06/16/11 12:41	06/17/11 00:27	1.0
cis-1,3-Dichloropropene	ND		0.0040	mg/kg dry	ø	06/16/11 12:41	06/17/11 00:27	1.0
Ethylbenzene	ND		0.0040	mg/kg dry	ø	06/16/11 12:41	08/17/11 00:27	1.0
isopropylbenzene	NĐ		0.0040	mg/kg dry	Ķŧ	06/16/11 12:41	06/17/11 00:27	1.0
Methyl tert-butyl ether	ND		0.0040	mg/kg dry	13	06/16/11 12:41	06/17/11 00:27	1.0
Methylene chloride	ND		0.0080	mg/kg dry	ø	08/16/11 12:41	06/17/11 00:27	1.0
Styrene	ND		0.0040	mg/kg dry	ø	06/16/11 12:41	08/17/11 00:27	1.0
Tetrachloroethene	ND		0.0040	mg/kg dry	ø	06/16/11 12:41	06/17/11 00:27	1.0
Toluene	ND		0.0040	mg/kg dry	ÇE	08/18/11 12:41	06/17/11 00:27	1.0
trans-1,2-Dichloroethene	ND		0.0040	mg/kg dry	ņ	06/16/11 12:41	06/17/11 00:27	1.0
trans-1,3-Dichtoropropene	ND		0.0040	mg/kg dry	ø	08/16/11 12:41	08/17/11 00:2 7	1.0
Trichloroethene	ND		0.0040	mg/kg dry	₩.	06/16/11 12:41	08/17/11 00:27	1.0
Trichlorofluoromethane	ND		0.0040	mg/kg dry	ø	08/16/11 12:41	06/17/11 00:27	1.0
Vinyl chloride	, ND		0.0040	mg/kg dry	ņ	06/16/11 12:41	06/17/11 00:27	1.0
Xylenes (total)	ND		0.012	mg/kg dry	¢	06/16/11 12:41	06/17/11 00:27	1.0
Surrogate	% Recovery	Qualif/er	Limits			Prepared	Analyzed	Dii Fa
Dibromofluoromethane	103		85 - 122			06/16/11 12:41	06/17/11 00:27	1,0
1,2-Dichloroethane-d4	113		85 - 130			08/18/11 12:41	06/17/11 00:27	1.0
Taluene-d8	101		88 - 111			06/16/11 12:41	06/17/11 00:27	1.0
Toluene-d8	.101		88 - 111			06/16/11 12:41	06/17/11 00:27	1.0
4-Bromofluorobenzene	97.0		83 - 122			06/16/11 12:41	06/17/11 00:27	1.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
1,2,4-Trichlorobenzene	ND	RL1	1.0		mg/kg dry	ğ	06/17/11 00:00	08/18/11 03:35	10
1,2-Dichlorobenzene	ND	RL1	1.0		mg/kg dry	₩	06/17/11 00:00	06/18/11 03:35	10
1,3-Dichlorobenzene	ND	RL1	1.0		mg/kg dry	₿	06/17/11 00:00	08/18/11 03:35	10
1,4-Dichlorobenzene	ND	RL1	1.0		mg/kg dry	r)	06/17/11 00:00	06/18/11 03:35	10
2,4,5-Trichlorophenol	ND	RL1	5.0		mg/kg dry	¢	08/17/11 00:00	08/18/11 03:35	10
2,4,6-Trichlorophenol	ND	RL1	1.0		mg/kg dry	¤	06/17/11 00:00	08/18/11 03:35	10
2,4-Dichlorophenol	ND	RL1	1.0		mg/kg dry	ø	06/17/11 00:00	06/18/11 03:35	10

Client: RT ENVIRONMENTAL Project/Site: 70461-07

Client Sample ID: CD-2

Date Collected: 06/15/11 11:55

Date Received: 06/15/11 13:40

TestAmerica Job ID: KUF0338

Lab Sample ID: KUF0338-02 Matrix: Soil



		40	12031200
Percent	Solids:	94.4	

5

Method: EPA 8270C - Semiv Analyte		Qualifi			_	_		
2,4-Dimethylphenol	ND			MDL Unit	_ D	Prepared	Analyzed	Dil Fa
2,4-Dinitrophenol		RL1	1.0	mg/kg dry		08/17/11 00:00	06/18/11 03:35	1
2,4-Dinitrotoluene		RL1	5.0	mg/kg dry	ti L	06/17/11 00:00	06/18/11 03:35	1
2,6-Dinitrotoluene		RL1	1.0	mg/kg dry	ž.	06/17/11 00:00	06/18/11 03:35	1
2-Chloronaphthalene		RL1	1.0	mg/kg dry	ı.	08/17/11 00:00	06/18/11 03:35	1
2-Chlorophenol		RL1	1.0	mg/kg dry	Þ	06/17/11 00:00	06/18/11 03:35	1
2-Methylnaphthalene		RL1	1.0	mg/kg dry	**	06/17/11 00:00	08/18/11 03:35	10
2-Methylphenol			1.0	mg/kg dry	**	06/17/11 00:00	06/18/11 03:35	11
2-Nitroaniline		RL1	1.0	mg/kg dry	·	08/17/11 00:00	06/18/11 03:35	. 10
2-Nitrophenol	ND		5.0	mg/kg dry	*	06/17/11 00:00	06/18/11 03:35	10
3&4-Methylphenol	ND		1.0	mg/kg dry	#	06/17/11 00:00	06/18/11 03:35	10
3,3'-Dichlorobenzidine	er e	RL1	1.0	mg/kg dry		06/17/11 00:00	06/18/11 03:35	
3-Nitroaniline		RL1	5.0	mg/kg dry	٥	06/17/11 00:00	06/18/11 03:35	10
	ND		5.0	mg/kg dry	ņ	06/17/11 00:00	06/18/11 03:35	10
,6-Dinitro-2-methylphenol	ND	RL1	5.0	mg/kg dry	Ö	06/17/11 00:00	06/18/11 03:35	10
I-Bromophenyl-phenyl ether	ND	RL1	1.0	mg/kg dry	₽	06/17/11 00:00	06/18/11 03:35	10
l-Chloro-3-methylphenol	ND		1.0	mg/kg dry	ø	06/17/11 00:00	06/18/11 03:35	10
l-Chloroaniline		RL1	1.0	mg/kg dry	₿	08/17/11 00:00	08/18/11 03:35	10
-Chlorophenyl phenyl ether	ND		1.0	mg/kg dry	♡	08/17/11 00:00	06/18/11 03:35	10
-Nitroaniline		RL1	5.0	mg/kg dry	¤	06/17/11 00:00	06/18/11 03:35	10
-Nitrophenol		RL1	5.0	mg/kg dry	₽	06/17/11 00:00	06/18/11 03:35	10
cenaphthene		RL1	1.0	mg/kg dry	₽	06/17/11 00:00	06/18/11 03:35	10
cenaphthylene	ND	RL1	1.0	mg/kg dry	₽	08/17/11 00:00	06/18/11 03:35	10
ınlline	ND	RL1	1.0	mg/kg dry	Ф	06/17/11 00:00	06/18/11 03:35	10
nthracene	ND	RL1	1.0	mg/kg dry	**	08/17/11 00:00	08/18/11 03:35	10
lenzo (a) anthracene	1.1	RL1	1,0	mg/kg dry	₩	06/17/11 00:00	06/18/11 03:35	10
Benzo (a) pyrene	1.2	RL1	1.0	mg/kg dry	t)	08/17/11 00:00	06/18/11 03:35	10
lenzo (b) fluoranthene	1.7	RL1	1.0	mg/kg dry	₽	08/17/11 00:00	06/18/11 03:35	10
enzo (g,h,i) perylene	ND	RL1	1.0	mg/kg dry	Þ	06/17/11 00:00	06/18/11 03:35	10
enzo (k) fluoranthene	ND	RL1	1.0	mg/kg dry	7 ;\$	06/17/11 00:00	06/18/11 03:35	10
enzoic acid	ND	RL1	5.0	mg/kg dry	₽	08/17/11 00:00	06/18/11 03:35	10
enzyl alcohol	ND	RL1	1.0	mg/kg dry	₽	08/17/11 00:00	06/18/11 03:35	10
ls(2-chloroethoxy)methane	ND	RL1	1.0	mg/kg dry	ø	06/17/11 00:00	08/18/11 03:35	10
ls(2-chloroethyl)ether	ND	RL1	0.50	mg/kg dry	₽	08/17/11 00:00	06/18/11 03:35	10
is(2-chlorolsopropyl)ether	ND	RL1	1.0	mg/kg dry	₽	06/17/11 00:00	06/18/11 03:35	10
is(2-ethylhexyl)phthalate	ND	RL1	3.3	mg/kg dry	₽	06/17/11 00:00	08/18/11 03:35	10
ulyl benzyl phthalate	ND	RL1	1.0	mg/kg đry	₽	06/17/11 00:00	06/18/11 03:35	10
hrysene	1.4	RL1	1.0	mg/kg dry	n	06/17/11 00:00	08/18/11 03:35	10
ibenz (a,h) anthracene	ND	RL1	` 1.0	mg/kg dry	ø	06/17/11 00:00	06/18/11 03:35	10
ibenzofuran	NĎ	RL1	1.0	mg/kg dry	ø	06/17/11 00:00	08/18/11 03:35	10
iethyl phthalate	ND	RL1	1.0	mg/kg dry	¢	06/17/11 00:00	08/18/11 03:35	10
lmethyl phthalate	ND		1.0	mg/kg dry	φ	06/17/11 00:00	06/16/11 03:35	10
-n-butyl phthalate	ND		3.3	mg/kg dry		06/17/11 00:00	06/18/11 03:35	
-n-octyl phthalate		RL1	1.0	mg/kg dry	33	06/17/11 00:00		10
phenylamine		RL1	1,0	mg/kg dry	Þ	06/17/11 00:00	06/18/11 03:35	10
uoranthens		RL1	1.0	mg/kg dry	n		06/18/11 03:35	10
uorene	ND		1.0		 Φ	08/17/11 00:00	06/18/11 03:35	10
exachlorobenzene		RL1	1.0	mg/kg dry		06/17/11 00:00	06/18/11 03:35	10
exachlorobutadiene	ND			mg/kg dry	i)	06/17/11 00:00	06/18/11 03:35	10
exachlorocyclopentadiene	ND ND		1.0	mg/kg dry	Ģ.	06/17/11 00:00	08/18/11 03:35	10
	1417	INET	1,0	mg/kg dry	₽	06/17/11 00:00	06/18/11 03:35	10

Client: RT ENVIRONMENTAL Project/Site: 70461-07

TestAmerica Job ID: KUF0338

Client Sample ID: CD-2

2,4,6-Tribromophenol

Terphenyi-d14

Date Collected: 06/15/11 11:55 Date Received: 06/15/11 13:40 Lab Sample ID: KUF0338-02

Matrix: Soil

Percent Solids: 94.4

06/18/11 03:35

08/18/11 03:35

08/17/11 00:00

06/17/11 00:00

10

10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno (1,2,3-cd) pyrene	1.0	RL1	1.0		mg/kg dry	**	06/17/11 00:00	06/18/11 03:35	. 10
Isophorone	ND	RL1	1.0		mg/kg dry	₽	06/17/11 00:00	06/18/11 03:35	10
Naphthalene	ND	RL1	1.0		mg/kg dry	₽	06/17/11 00:00	06/18/11 03:35	10
Nitrobenzene	ND	Rl.1	1.0		mg/kg dry	¤	06/17/11 00:00	06/18/11 03:35	10
N-Nitrosodi-n-propylamine	ND	RL1	1.0		mg/kg dry	¤	06/17/11 00:00	06/18/11 03:35	10
Pentachlorophenol	ND	RL1	5.0		mg/kg dry	**	06/17/11 00:00	08/18/11 03:35	10
Phenanthrene	2.3	RL1	1.0		mg/kg dry	Đ.	06/17/11 00:00	06/18/11 03:35	10
Phenol	ND	RL1	1.0		mg/kg dry	a	06/17/11 00:00	08/18/11 03:35	10
Pyrene	2.4	RL1	1.0		mg/kg dry	ø	06/17/11 00:00	06/18/11 03:35	10
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorophenol	84.9	RL1	36 - 111				06/17/11 00:00	08/18/11 03:35	10
Phenol-d6	91.5	RL1	48 - 106				08/17/11 00:00	06/18/11 03:35	10
Nitrobenzene-d5	87.8	RL1	47 - 106		•		08/17/11 00:00	06/18/11 03:35	10
2-Fluorobiphenyi	94.2	RL1	54 ₋ 106				06/17/11 00:00	06/18/11 03:35	10

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	DII Fa
Aldrin	ND	C4	0.0010	mg/kg dry	_ ☆	06/17/11 00:00	08/20/11 17:15	1.0
alpha-8HC	ND	C4	0.0010	mg/kg dry	铁	06/17/11 00:00	06/20/11 17:15	1.0
beta-BHC	DN	C4	0.0010	mg/kg dry	\$	06/17/11 00:00	06/20/11 17:15	1.0
delta-BHC	ND	C4	0.0010	mg/kg dry	蚊	06/17/11 00:00	06/20/11 17:15	1.0
gamma-BHC (Lindane)	ND	C4	0.0010	mg/kg dry	13	06/17/11 00:00	08/20/11 17:15	1.0
Chlordane (tech)	ND	C4	0.020	mg/kg dry	₩	06/17/11 00:00	06/20/11 17:15	1.0
alpha-Chlordane	ND	C4	0.0020	mg/kg dry	₩	06/17/11 00:00	08/20/11 17:15	1,0
gamma-Chfordane	0.0057	C4 R1	0.0020	mg/kg dry	33	06/17/11 00:00	06/20/11 17:15	1.0
4,4′-DDD	ND	C4	0.0060	mg/kg dry	₩	08/17/11 00:00	06/20/11 17:15	1.0
4,4'-DDE	ND	C4	0.0020	mg/kg dry	¢	06/17/11 00:00	06/20/11 17:15	1.0
4,4´-DDT	0.057	C4	0.0080	mg/kg dry	ø	06/17/11 00:00	06/20/11 17:15	1.0
Dieldrin	ND	C4	0.0020	mg/kg dry	ø	06/17/11 00:00	06/20/11 17:15	1.0
Endosulfan I	ND	C4	0.0020	mg/kg dry	p	06/17/11 00:00	06/20/11 17:15	1,0
Endosulfan li	ND	C4	0.0020	mg/kg dry	¢	06/17/11 00:00	08/20/11 17:15	1.0
Endosulfan sulfate	ND	C4	0.0060	mg/kg dry	₽	06/17/11 00:00	06/20/11 17:15	1.0
Endrin	0.0047	C4 R1	0.0020	mg/kg dry	ø	08/17/11 00:00	06/20/11 17:15	1.0
Endrin aldehyde	ND	C4	0.0060	mg/kg dry	ĸ	06/17/11 00:00	08/20/11 17:15	1.0
Endrin ketone	ND	C4	0.0060	mg/kg dry	Ф	06/17/11 00:00	06/20/11 17:15	1.0
Heptachlor	ND	C4	0.0010	mg/kg dry	 Ø	08/17/11 00:00	08/20/11 17:15	1.0
Heptachlor epoxide	ND	C4	0.0010	mg/kg dry	₽	08/17/11 00:00	06/20/11 17:15	1.0
Methoxychlor	ND	C4	0.020	mg/kg dry	ø	08/17/11 00:00	06/20/11 17:15	1.0
Toxaphene	ND	C4	0.080	mg/kg dry	₩.	08/17/11 00:00	06/20/11 17:15	1.0
Surrogate	% Recovery	Qualifier	Llmits			Prepared	Analyzed	Dli Fac
Tetrachloro-meta-xylene	60.2	C4	33 - 111			06/17/11 00:00	06/20/11 17:15	1.0
Decachlorobiphenyl	14.6	C4 Z5	30 - 119			06/17/11 00:00	06/20/11 17:15	1.0

37 - 122

64 - 118

74.2 RL1

97.8 RL1

i	Method: EPA 8082 - Polychlorinated E	3iphenyls	by EPA M	ethod 8082 - F	RE1					
	Analyte	Result	Qualifier	RL	MDL	Unit	b	Prepared	Analyzed	DII Fac
	PCB-1016	ND	RL7 L1	0.50	· · · · · · · · · · · · · · · · · · ·	mg/kg dry	ø	06/21/11 10:14	06/22/11 07:31	10
	PCB-1221	ND	RL7	0.50		mg/kg dry	₽	06/21/11 10:14	06/22/11 07:31	10

Client: RT ENVIRONMENTAL

Project/Site: 70461-07

TestAmerica Job ID: KUF0338

Matrix: Soil

Percent Solids: 94.4

Lab Sample ID: KUF0338-02









Client Sample ID: CD-2

Date Collected: 06/15/11 11:55

Date Received: 06/15/11 13:40

Method: EPA 8082 - Polychlorinated Biphenyls by EPA Method 8082 - RE1 (Continued) Result Qualifier MDL Unit Prepared Analyzed DII Fac PCB-1232 0.50 mg/kg dry 06/21/11 10:14 06/22/11 07:31 ND RL7 10 PCB-1242 ND RL7 0.50 06/21/11 10:14 06/22/11 07:31 10 mg/kg dry PCB-1248 06/21/11 10:14 06/22/11 07:31 ND RL7 0.50 10 mg/kg dry 08/22/11 07:31 PCB-1254 0.50 06/21/11 10:14 10 1.2 RL7 mg/kg dry PCB-1260 ND RL7 L1 0.50 mg/kg dry 06/21/11 10:14 08/22/11 07:31 10 Surrogate % Recovery Qualifier Limits Dii Fac Prepared Analyzed 64.0 RL7 21 - 119 08/21/11 10:14 08/22/11 07:31 10 Tetrachioro-meta-xylene Decachlorobiphenyl 59.0 RL7 10 - 144 08/21/11 10:14 08/22/11 07:31 10

Method: EPA 6010B - Total Metals by EPA 6000/7000 Series Methods Analyte Result Qualifler MDL Unit Prepared Analyzed DII Fac Ö 2.0 Arsenic 6.7 mg/kg dry 06/16/11 08:13 06/16/11 13:38 2.0 Barlum 200 1.0 mg/kg dry 06/16/11 08:13 06/16/11 13:38 2.0 Cadmium ND 2.0 06/16/11 08:13 06/16/11 13:38 2.0 mg/kg dry Chromium 17 5.0 mg/kg dry 06/16/11 08:13 06/16/11 13:38 2.0 mg/kg dry 06/16/11 08:13 2.0 120 2.0 06/16/11 13:38 Lead ND 06/16/11 08:13 08/16/11 13:38 2.0 Selenium 8.0 mg/kg dry ND 06/16/11 08:13 Silver 06/16/11 13:38 2.0 mg/kg dry 2.0

Method: EPA 7471A - Total Metals by EPA 6000/7000 Series Methods Analyte Result Qualifler Unit Prepared Analyzed Dii Fac 06/21/11 08:11 06/21/11 13:38 Mercury 0.266 0.100 mg/kg dry

Client Sample ID: CD-3

Date Collected: 06/15/11 12:00

Date Received: 06/15/11 13:40

Lab Sample ID: KUF0338-03

Matrix: Soil

Percent Solids: 96.8

Method: EPA 8260B - Volati	ile Organic Compou	nds by EP	4 Method 5035/	8260B					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dll Fac
1,2,4-Trimethylbenzene	ND		0.0040		mg/kg dry	<u> </u>	06/16/11 12:41	08/17/11 00:58	1.0
1,3,5-Trimethylbenzene	ND		0.0040		mg/kg dry	¢	08/16/11 12:41	08/17/11 00:58	1.0
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dii Fac
4-Bromofluorobenzene	102		83 - 122				06/16/11 12:41	06/17/11 00:58	1.0

Analyte	Result Q	Qualifier RL	MDL	Unit	ם	Prepared	Analyzed	DII Fac
1,1,1-Trichloroethane	ND	0.0040		mg/kg dry	Q	06/16/11 12:41	08/17/11 00:58	1.0
1,1,2,2-Tetrachloroethane	ND	0.0040		mg/kg dry	₿	06/16/11 12:41	06/17/11 00:58	1.0
1,1,2-Trichloroethane	ND	0,0040		mg/kg dry	₽	06/16/11 12:41	06/17/11 00:58	1.0
1,1-Dichloroethane	ND	0.0040		mg/kg dry	¤	06/16/11 12:41	06/17/11 00:58	1.0
1,1-Dichtoroethene	ND	0.0040		mg/kg dry	₩	08/16/11 12:41	08/17/11 00:68	1.0
1,2-Dichloroethane	ND	0.0040		mg/kg dry	₩	06/16/11 12:41	06/17/11 00:58	1.0
1,2-Dichloropropane	ND	0.0040		mg/kg dry	₩	06/16/11 12:41	06/17/11 00:58	1.0
2-Butanone	ND	0.10		mg/kg dry	¤	06/18/11 12:41	08/17/11 00:58	1.0
2-Нехаполе	ND	0.010		mg/kg dry	ø	06/16/11 12:41	06/17/11 00:58	1.0
4-Methyl-2-pentanone	ND	0.010		mg/kg dry	ø	08/18/11 12:41	08/17/11 00:58	1.0
Acetona	ND	0.10		mg/kg dry	ø	08/16/11 12:41	06/17/11 00:58	1.0
Benzene	ND	0.0040		mg/kg dry	33	06/16/11 12:41	06/17/11 00:58	1.0
Bromodichloromethane	ND	0.0040		mg/kg dry	•	06/16/11 12:41	06/17/11 00:58	1.0

Client: RT ENVIRONMENTAL Project/Site: 70461-07

TestAmerica Job ID: KUF0338

Lab Sample ID: KUF0338-03

Matrix: Soil Percent Solids: 96.8









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Client Sample ID: (CD-3
Date Collected: 06/15/	11 12:00
Date Received: 06/15/1	1 13:40
Mothed: EDA 9000D	1/-1-4:1-

Analyte	Result	Qualifier	RL.	MDL	Unit	D	Prepared	Analyzed	DII Fac
Bromoform	ND		0.0040		mg/kg dry	₩	06/16/11 12:41	06/17/11 00:58	1.0
Bromomethane	ND		0.0040		mg/kg dry	ø	06/16/11 12:41	06/17/11 00:58	1.0
Carbon disulfide	ND		0.0040		mg/kg dry	Ϋ́.	06/16/11 12:41	06/17/11 00:58	1.0
Carbon tetrachloride	ND		0.0040		mg/kg dry	378	06/16/11 12:41	06/17/11 00:58	1.0
Chlorobenzene	ND		0.0040		mg/kg dry	ф	06/16/11 12:41	06/17/11 00:58	1.0
Chlorodibromomethane	ND		0.0040		mg/kg dry	13	08/18/11 12:41	06/17/11 00:58	1.0
Chtoroethane	ND		0.0040		mg/kg dry	₽	06/16/11 12:41	06/17/11 00:58	1.0
Chloroform	ND		0.0040		mg/kg dry	₽	06/16/11 12:41	08/17/11 00:58	1.0
Chloromethane	ND		0.010		mg/kg dry	i)	06/16/11 12:41	06/17/11 00:58	1.0
cis-1,2-Dichloroethene	ND		0.0040		mg/kg dry	₽	06/16/11 12:41	08/17/11 00:58	1.0
cis-1,3-Dichloropropene	ND		0.0040		mg/kg dry	₽	06/16/11 12:41	06/17/11 00;58	1.0
Ethylbenzene	ND		0.0040		mg/kg dry	ø	06/16/11 12:41	06/17/11 00:58	1.0
Isopropylbenzene	ND		0.0040		mg/kg dry	₩	08/16/11 12:41	06/17/11 00:58	1.0
Methyl tert-butyl ether	ND		0.0040		mg/kg dry	Ħ	06/16/11 12:41	06/17/11 00:58	1.0
Methylene chloride	ND		0.0080		mg/kg dry	ø	06/16/11 12:41	06/17/11 00:58	1.0
Styrene	ND		0.0040		mg/kg dry	¢	08/16/11 12:41	06/17/11 00:58	1.0
Tetrachloroethene	ND		0.0040		mg/kg dry	×	06/18/11 12:41	06/17/11 00:58	1.0
Toluene	ND		0.0040		mg/kg dry	₽	06/16/11 12:41	08/17/11 00:58	1.0
trans-1,2-Dichloroethene	ND		0.0040		mg/kg dry	¢	06/16/11 12:41	06/17/11 00:58	1.0
trans-1,3-Dichloropropene	ND		0.0040		mg/kg dry	₽	06/16/11 12:41	08/17/11 00:58	1.0
Trichloroethene	ND		0.0040		mg/kg dry	₩	06/16/11 12:41	08/17/11 00:58	1.0
Trichlorofluoromethane	ND		0.0040		mg/kg dry	ø	06/16/11 12:41	08/17/11 00:58	1.0
Vinyl chloride	ND		0.0040		mg/kg dry	#	06/16/11 12:41	06/17/11 00:58	1.0
Xylenes (total)	NĎ	•	0.012		mg/kg dry	ø	06/16/11 12:41	06/17/11 00:58	1.0
Surrogate	% Recovery	Qualifier	Lim/ts				Prepared	Analyzed	Dil Fac
Dibromofluoromethane	106		85 - 122				06/16/11 12:41	06/17/11 00:58	1.0

Surrogate	% Recovery Qualifier	Lim/ts	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	106	85 - 122	06/16/11 12:41	08/17/11 00:58	1.0
1,2-Dichloroethane-d4	118	85 - 130	06/1 6 /11 12:41	06/17/11 00:58	1.0
Toluene-d8	95.1	88 - 111	08/16/11 12:41	08/17/11 00:58	1.0
Toluene-d8	95.1	88 - 111	06/16/11 12:41	06/17/11 00:58	1.0
4-Bromofluorobenzene	102	83 - 122	06/1 6 /11 12:41	06/17/11 00:58	1.0

Analyte	Result	Qualifier	RL.	MOL	Unit	D	Prepared	Analyzed	Dii Fac
1,2,4-Trichlorobenzene	ND	RL1 RL8	2.1		mg/kg dry	₩	06/17/11 00:00	06/18/11 04:01	10
1,2-Dichlombenzene	ND	RL1 RL8	2.1		mg/kg đry	¢	06/17/11 00:00	06/18/11 04:01	10
1,3-Dichlorobenzene	ND	RL1 RL8	2.1		mg/kg đry	Ħ	06/17/11 00:00	06/18/11 04:01	10
1,4-Dichlorobenzene	ND	RL1 RL8	2.1		mg/kg dry	₽	08/17/11 00:00	06/18/11 04:01	10
2,4,5-Trichlorophenol	ND	RL1 RL8	10		mg/kg dry	₹\$	06/17/11 00:00	06/18/11 04:01	10
2,4,6-Trichiorophenol	ND	RL1 RL8	2.1		mg/kg dry	₽	06/17/11 00:00	06/18/11 04:01	`10
2,4-Dichlorophenol	ND	RL1 RL8	2.1		mg/kg dry	ø	08/17/11 00:00	06/18/11 04:01	10
2,4-Dimethylphenol	ND	RL1 RL8	2.1		mg/kg dry	ф	08/17/11 00:00	06/18/11 04:01	10
2,4-Dinitrophenol	ND	RL1 RL6	10		mg/kg dry	₽	06/17/11 00:00	08/18/11 04:01	10
2,4-Dinitrotoluene	ND	RL1 RL8	2,1		mg/kg dry	Ü	06/17/11 00:00	06/18/11 04:01	10
2,6-Dinitrotoluene	ND	RL1 RL8	2.1		mg/kg dry	ø	06/17/11 00:00	06/18/11 04:01	10
2-Chloronaphthalene	ND	RL1 RL8	2.1		mg/kg dry	۵	06/17/11 00:00	06/18/11 04:01	10
2-Chlorophenol	ND	RL1 RL8	2.1		mg/kg dry	₽	08/17/11 00:00	06/18/11 04:01	10
2-Methylnaphthalene	ND	RL1 RL8	2.1		mg/kg dry	٥	06/17/11 00:00	06/18/11 04:01	10
2-Methylphenol	ND	RL1 RL8	2.1		mg/kg dry	₽	06/17/11 00:00	08/18/11 04:01	10
2-Nitroanitine	ND	RL1 RL8	10		mg/kg dry	ø	08/17/11 00:00	06/18/11 04:01	10
2-Nitrophenol	ND	RL1 RL8	2.1		mg/kg dry	₿	08/17/11 00:00	06/18/11 04:01	10

Client: RT ENVIRONMENTAL Project/Site: 70461-07

Client Sample ID: CD-3

Hexachlorobutadiene

Hexachloroethane

Isophorone Naphthalene

Nitrobenzene

Phenanthrene

Phenol

Pyrene

Pentachlorophenol

Hexachlorocyclopentadiene

Indeno (1,2,3-cd) pyrene

N-Nitrosodi-n-propylamine

Date Collected: 06/15/11 12:00

Date Received: 06/15/11 13:40

TestAmerica Job ID: KUF0338

Matrix: Soil

Percent Solids: 96.8

Lab Sample ID: KUF0338-03











Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
3&4-Methylphenol	ND	RL1 RL8	2.1		mg/kg dry		06/17/11 00:00	06/18/11 04:01	
3,3'-Dichlorobenzidine	ND	RL1 RL8	10		mg/kg dry	×	06/17/11 00:00	06/18/11 04:01	
3-Nitroaniline	ИĎ	RL1 RL8	10		mg/kg dry	₩	06/17/11 00:00	08/18/11 04:01	
4,6-Dinitro-2-methylphenol	ND	RL1 RL8	10		mg/kg dry	尊	06/17/11 00:00	06/18/11 04:01	•
4-Bromophenyl-phenyl ether	ND	RL1 RL8	2.1		mg/kg dry	₩	06/17/11 00:00	06/18/11 04:01	•
4-Chloro-3-methylphenol	ND	RL1 RL8	2.1		mg/kg dry	₽	06/17/11 00:00	06/18/11 04:01	•
4-Chloroaniline	ND	RL1 RL8	2.1		mg/kg dry	₽	06/17/11 00:00	06/18/11 04:01	•
4-Chlorophenyl phenyl ether	ND	RL1 RL8	2.1		mg/kg dry	₩	06/17/11 00:00	08/18/11 04:01	•
4-Nitroaniline	ND	RL1 RL8	10		mg/kg dry	Ü	08/17/11 00:00	08/18/11 04:01	•
4-Nitrophenol	ND	RL1 RL8	10		mg/kg dry	Ü	06/17/11 00:00	06/18/11 04:01	•
Acenaphthene	ND	RL1 RL8	2.1		mg/kg dry	ø	08/17/11 00:00	06/18/11 04:01	•
Acenaphthylene	ND	RL1 RL8	2.1		mg/kg dry	ņ	08/17/11 00:00	06/18/11 04:01	•
Anlline	ND	RL1 RL8	2.1		mg/kg dry	ø	06/17/11 00:00	08/18/11 04:01	
Anthracene	ND	RL1 RL8	2.1		mg/kg dry	33	06/17/11 00:00	06/18/11 04:01	•
Benzo (a) anthracene	ND	RL1 RL8	2.1		mg/kg dry	₽	06/17/11 00:00	06/18/11 04:01	•
Benzo (a) pyrene	ND	RL1 RL8	2.1		mg/kg dry	ø	06/17/11 00:00	06/18/11 04:01	
Benzo (b) fluoranthene	ND	RL1 RL8	2.1		mg/kg dry	Ø	06/17/11 00:00	06/18/11 04:01	
Benzo (g,h,i) perylene	ND	RL1 RL8	2.1		mg/kg dry	ø	06/17/11 00:00	06/18/11 04:01	•
Benzo (k) fluoranthene	ND	RL1 RL8	2.1		mg/kg dry	£‡	06/17/11 00:00	06/18/11 04:01	
Benzoic acid	ND	RL1 RL8	10		mg/kg dry	131	08/17/11 00:00	08/18/11 04:01	
Benzyl alcohol	ND	RL1 RL8	2.1		mg/kg dry	ø	08/17/11 00:00	06/18/11 04:01	
Bis(2-chloroethoxy)methane	ND	RL1 RL8	2.1		mg/kg dry	ņ	08/17/11 00:00	06/18/11 04:01	
Bis(2-chloroethyl)ether	ND	RL1 RL8	1.0		mg/kg dry	33	06/17/11 00:00	06/18/11 04:01	
Bis(2-chloroisopropyl)ether	ND	RL1 RL8	2.1		mg/kg dry	₿	06/17/11 00:00	06/18/11 04:01	•
Bis(2-ethylhexyl)phthalate	ND	RL1 RL8	6.9		mg/kg dry	*	06/17/11 00:00	08/18/11 04:01	•
Butyl benzyl phthalate	ND	RL1 RL8	2.1		mg/kg dry	ø	06/17/11 00:00	08/18/11 04:01	
Chrysene	ND	RL1 RL8	2.1		mg/kg dry	ņ	06/17/11 00:00	08/18/11 04:01	•
Dibenz (a,h) anthracene	ND	RL1 RL8	2.1		mg/kg dry	ø	06/17/11 00:00	06/18/11 04:01	
Dibenzofuran	ND	RL1 RL8	2.1		mg/kg dry	₽	08/17/11 00:00	06/18/11 04:01	
Diethyl phthalate	ND	RL1 RL8	2.1		mg/kg dry	₩	08/17/11 00:00	06/18/11 04:01	
Dimethyl phthalate	ND	RL1 RL8	2.1		mg/kg dry	ø	06/17/11 00:00	08/18/11 04:01	
Di-n-butyl phthalate	ND	RL1 RL8	6.9		mg/kg dry	φ	08/17/11 00:00	06/18/11 04:01	
Di-n-octyl phthalate	ND	RL1 RL8	2.1		mg/kg dry	₩	06/17/11 00:00	06/18/11 04:01	
Diphenylamine	ND	RL1 RL8	2.1		mg/kg dry	₽	06/17/11 00:00	06/18/11 04:01	
Fluoranthene	ND	RL1 RL8	2.1		mg/kg dry	ø	06/17/11 00:00	08/18/11 04:01	
Fluorene	ND	RL1 RL8	2.1		mg/kg dry	₽	06/17/11 00:00	06/18/11 04:01	
Hexachlorobenzene	NΩ	RL1 RL8	2.1		mg/kg dry	£‡	06/17/11 00:00	06/18/11 04:01	

06/18/11 04:01

06/18/11 04:01

06/18/11 04:01

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mg/kg dry

ND RL1 RL8

ND RL1 RL8

ND RL1 RL8

NO RL1 RL8

ND RL1 RL8

RL1 RL8

ND

Client: RT ENVIRONMENTAL Project/Site: 70461-07

TestAmerica Job ID: KUF0338

Lab Sample ID: KUF0338-03

Matrix: Soll

Percent Solids: 96.8













Client Sample ID: CD-3 Date Collected: 06/15/11 12:00 Date Received: 06/15/11 13:40

Surrogate % Recovery Qualifier Limits Prepared Analyzed DII Fac 2-Fluorophenol 83.4 RL1 RL8 36 - 111 06/17/11 00:00 05/18/11 04:01 10 Phenol-d6 85.7 RL1 RL8 48 - 108 06/17/11 00:00 06/18/11 04:01 10 Nitrobenzene-d5 89.5 RL1 RL8 47 - 108 06/17/11 00:00 06/18/11 04:01 10 2-Fluorobiphenyl 90.7 RL1 RL8 54-106 06/17/11 00:00 06/18/11 04:01 10 2,4,6-Tribromophenol 53.3 RL1 RL8 37 - 122 08/17/11 00:00 06/18/11 04:01 10

Terphenyl-d14	91.6	RL1 RL8	64 - 118			06/17/11 00:00	06/18/11 04:01	10
Method: EPA 8081A - C	Organochlorine Pesticid	es by EPA I	Method 8081A					
Analyte		Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dll Fac
Aldrin	ND	C4	0.0010	mg/kg dry	<u> </u>	06/17/11 00:00	08/20/11 17:31	1.0
alpha-BHC	ND	C4 R1	0.0010	mg/kg dry	Ф	06/17/11 00:00	06/20/11 17:31	1.0
beta-BHC	ND	C4	0.0010	mg/kg dry	Ф	06/17/11 00:00	08/20/11 17:31	1.0
delta-BHC	ND	C4	0.0010	mg/kg dry	ø	06/17/11 00:00	06/20/11 17:31	1.0
gamma-BHC (Lindane)	ND	C4	0.0010	mg/kg dry	₽	06/17/11 00:00	08/20/11 17:31	1.0
Chlordane (tech)	ND	C4	0.020	mg/kg dry	Ф	06/17/11 00:00	06/20/11 17:31	1.0
alpha-Chlordane	ND	C4	0.0020	mg/kg dry	\$	06/17/11 00:00	08/20/11 17:31	1.0
gamma-Chlordane	0.0072	C4	0.0020	mg/kg dry	₽	06/17/11 00:00	08/20/11 17:31	1.0
4,4'-DDD	ND	C4	0.0060	mg/kg dry	Þ	06/17/11 00:00	08/20/11 17:31	1.0
4,4'-DDE	ND	C4	0.0020	mg/kg dry	₽	06/17/11 00:00	06/20/11 17;31	1.0
4,4'-DDT	0.023	C4	0.0060	mg/kg dry	Ü	06/17/11 00:00	06/20/11 17:31	1.0
Dieldrin	ДN	C4	0.0020	mg/kg dry	33	06/17/11 00:00	06/20/11 17:31	1.0
Endosulfan I	ND	C4	0.0020	mg/kg dry	ø	06/17/11 00:00	06/20/11 17:31	1.0
Endosulfan II	ND	C4	0.0020	mg/kg dry	*	08/17/11 00;00	06/20/11 17:31	1.0
Endosulfan sulfate	ND	Ç4	0.0060	mg/kg dry	Ф	06/17/11 00:00	06/20/11 17:31	1.0
Endrin	0.0026	C4 R1	0.0020	mg/kg dry	₩	06/17/11 00:00	06/20/11 17:31	1.0
Endrin aldehyde	ND	C4	0.0080	mg/kg dry	₩	08/17/11 00:00	06/20/11 17:31	1.0
Endrin ketone	ND	C4	0.0060	mg/kg dry	17	06/17/11 00:00	06/20/11 17:31	1.0
Heptachlor	ND	Ç4	0.0010	mg/kg dry	***	06/17/11 00:00	08/20/11 17:31	1.0
Heptachlor epoxide	ND	C4	0.0010	mg/kg dry	13	06/17/11 00:00	06/20/11 17:31	1.0
Methoxychlor	ND	C4	0.020	mg/kg dry	Ф	06/17/11 00:00	06/20/11 17:31	1.0
Toxaphene	ND	C4	0.080	mg/kg dry	Ü	08/17/11 00:00	06/20/11 17:31	1.0
Surrogate	% Recovery	Qualifier	Limits			Prepared	Analyzed	Dii Fac
Tetrachloro-meta-xylene	67.7	C4	33 - 111			06/17/11 00:00	06/20/11 17:31	1.0
Decachlorobiphenyl	15.9	C4 Z5	30 - 119			06/17/11 00:00	08/20/11 17:31	1.0

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	DII Fac
PCB-1016	ND	RL7 L1	0.50	mg/kg c	iry 🌣	06/21/11 10:14	06/22/11 07:56	10
PCB-1221	ND	RL7	0.50	mg/kg c	iry 🌼	08/21/11 10:14	08/22/11 07:58	10
PCB-1232	ND	RL7	0.50	mg/kg d	iry 🌣	06/21/11 10:14	06/22/11 07:56	10
PCB-1242	ND	RL7	0.50	mg/kg c	iry 🌣	06/21/11 10:14	06/22/11 07:58	10
PCB-1248	ND	RL7	0.50	mg/kg c	iry ¤	08/21/11 10:14	08/22/11 07:58	10
PCB-1264	0.52	RL7	0,50	mg/kg d	iry ‡	06/21/11 10:14	08/22/11 07:58	10
PCB-1260	ND	RL7 L1	0.50	mg/kg c	iry p	08/21/11 10:14	08/22/11 07:58	10
Surrogate	% Recovery	Qualifier	Limits			Prepared	Analyzed	Dli Fac
Tetrachioro-meta-xylene	81.0	RL7	21 - 119			06/21/11 10:14	08/22/11 07:58	10
Decachlorobiphenyl	72.0	RL7	10 - 144			08/21/11 10:14	06/22/11 07:58	10

Client: RT ENVIRONMENTAL Project/Site: 70461-07

TestAmerica Job ID: KUF0338

Client Sample ID: CD-3

Date Collected: 06/15/11 12:00 Date Received: 06/15/11 13:40

Lab Sample ID: KUF0338-03

Matrix: Soil Percent Solids: 96.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Arsenic	10		2.0		mg/kg dry	<u> </u>	06/16/11 08:13	06/16/11 13:41	2.0
Barlum	130		1.0		mg/kg dry	₽	06/16/11 08:13	08/18/11 13:41	2.0
Cadmium	ND		2.0		mg/kg dry	₽	06/16/11 08:13	06/16/11 13:41	2.0
Chromlum	24		5.0		mg/kg dry	ń	06/16/11 08:13	06/16/11 13:41	2.0
Lead	310		2.0		mg/kg dry	ø	06/16/11 08:13	06/18/11 13:41	2.0
Selenium	ND		8.0		ma/ka drv	₽	08/16/11 08:13	06/16/11 13:41	2.0

lon.					· - ·				
Method: EPA 7471A - Total Metals	by EPA 6000)/7000 Serie	s Methods						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.410		0.100		mg/kg dry	₽	06/21/11 08:11	06/21/11 13:40	1.00

2.0

mg/kg dry

ND

Client Sample ID: CD-4

Silver

Date Collected: 06/15/11 12:10 Date Received: 06/15/11 13:40

Lab Sample ID: KUF0338-04

06/16/11 13:41

© 06/16/11 08:13

Matrix: Soil

Percent Solids: 95.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
1,2,4-Trimethylbenzene	ND	*.*	0.0040		mg/kg dry	¤	06/16/11 12:41	06/17/11 01:29	1.0
1,3,5-Trimethylbenzene	ND		0.0040		mg/kg dry	ø	06/16/11 12:41	08/17/11 01:29	1.0
Surrogate	% Recovery	Qualifler	Limits				Prepared	Analyzed	DII Fac
4-Bromofluorobenzene	96.5		83 - 122				08/16/11 12:41	06/17/11 01:29	1.0

Analyte	Result	Qualifler	RL	MDL	Unit	ä	Prepared	Analyzed	DII Fac
1,1,1-Trichloroethane	ND		0.0040		mg/kg dry	10	06/16/11 12:41	06/17/11 01:29	1.0
1,1,2,2-Tetrachloroethane	ND		0.0040		mg/kg dry	ø	06/16/11 12:41	06/17/11 01:29	1.0
1,1,2-Trichloroethane	ND		0.0040		mg/kg dry	33	06/16/11 12:41	06/17/11 01:29	1.0
1,1-Dichloroethane	ND		0.0040		mg/kg dry	*	08/16/11 12:41	08/17/11 01;29	1.0
1,1-Dichloroethene	ND		0.0040		mg/kg dry	₽	08/18/11 12:41	06/17/11 01:29	1.0
1,2-Dichloroethane	ИD		0.0040		mg/kg dry	₽	06/16/11 12:41	06/17/11 01:29	1.0
1,2-Dichloropropane	ND		0.0040		mg/kg dry	ø	06/16/11 12:41	06/17/11 01:29	1.0
2-Butanone	ND		0.10		mg/kg dry	£7	06/16/11 12:41	06/17/11 01:29	1.0
2-Hexanone	ND		0.010		mg/kg dry	ø	06/16/11 12:41	08/17/11 01:29	1.0
4-Methyl-2-pantanone	ND		0.010		mg/kg dry	₽	06/16/11 12:41	06/17/11 01:29	1.0
Acetone	ND		0.10		mg/kg dry	₽	08/16/11 12:41	06/17/11 01:29	1.0
Benzene	ND		0.0040		mg/kg dry	¢	06/16/11 12:41	06/17/11 01:29	1.0
Bromodichloromethane	ND		0.0040		mg/kg dry	13	06/16/11 12:41	06/17/11 01:29	1.0
Bromoform	ND		0.0040		mg/kg dry	. #	06/16/11 12:41	06/17/11 01:29	1.0
Bromomethane	ND		0.0040		mg/kg dry	₽	06/16/11 12:41	06/17/11 01:29	1.0
Carbon disulfide	ND		0.0040		mg/kg dry	₩	06/16/11 12:41	06/17/11 01:29	1.0
Carbon tetrachloride	ND		0.0040		mg/kg dry	₽	06/16/11 12:41	08/17/11 01:29	1.0
Chlorobenzene	ND		0.0040		mg/kg dry	₽	06/16/11 12:41	06/17/11 01:29	1.0
Chlorodibromomethane	ND		0.0040		mg/kg dry	₽	06/16/11 12:41	06/17/11 01:29	1.0
Chloroethane	ND		0.0040		mg/kg dry	₿	06/16/11 12:41	06/17/11 01:29	1.0
Chloroform	ND		0.0040		mg/kg dry	۵	06/16/11 12:41	06/17/11 01:29	1.0
Chloromethane	ND		0.010		mg/kg dry	₩	06/16/11 12:41	06/17/11 01:29	1.0
cls-1,2-Dichloroethene	ND		0.0040		mg/kg dry	Ð	06/16/11 12:41	08/17/11 01:29	1.0
cis-1,3-Dichloropropene	ND		0.0040		mg/kg dry	ø	06/18/11 12:41	08/17/11 01:29	1.0
Ethylbenzene	ND		0.0040		mg/kg dry	K F	08/18/11 12:41	06/17/11 01:29	1.0













Client: RT ENVIRONMENTAL Project/Site: 70461-07

TestAmerica Job ID: KUF0338

Client Sample ID: CD-4

Date Collected: 06/15/11 12:10 Date Received: 06/15/11 13:40 Lab Sample ID: KUF0338-04

Matrix: Soil

Percent Solids: 95.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dii Fac
Isopropylbenzene	ND		0.0040		mg/kg dry	10	08/16/11 12:41	08/17/11 01:29	1.0
Methyl tert-butyl ether	ND		0.0040		mg/kg dry	欺	08/16/11 12:41	08/17/11 01:29	1.0
Methylene chloride	ND		0.0080		mg/kg dry	Φ	06/16/11 12:41	06/17/11 01:29	1.0
Styrene	ND		0.0040		mg/kg dry	₽	06/16/11 12:41	06/17/11 01:29	1.0
Tetrachloroethene	ND		0.0040		mg/kg dry	₽	06/16/11 12:41	06/17/11 01:29	1.0
Toluene	ND		0.0040		mg/kg dry	ø	06/16/11 12:41	06/17/11 01:29	1.0
trans-1,2-Dichloroethene	ND		0.0040		mg/kg dry	¤	06/16/11 12:41	06/17/11 01:29	1.0
trans-1,3-Dichloropropene	ND		0.0040		mg/kg dry	ø	06/16/11 12:41	06/17/11 01:29	1.0
Trichloroethene	ND		0.0040		mg/kg dry	ø	06/16/11 12:41	06/17/11 01:29	1.0
Trichlorofluoromethane	ND		0.0040		mg/kg dry	ø	06/16/11 12:41	06/17/11 01:29	1.0
Vinyl chloride	DN		0.0040		mg/kg dry	33	06/16/11 12:41	06/17/11 01:29	1.0
Xylenes (total)	ND		0.012		mg/kg dry	ø	08/18/11 12:41	06/17/11 01:29	1.0
Surrogate	% Recovery	Qualif/er	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane	107		85 - 122				06/16/11 12:41	06/17/11 01:29	1.0
1,2-Dichloroethane-d4	122		85 - 130				06/18/11 12:41	06/17/11 01:29	1.0
Toluene-d8	97.5		88 - 111				08/16/11 12:41	06/17/11 01:29	1.0
Toluene-d8	97.5		88.111				06/16/11 12:41	06/17/11 01:29	1.0
4-Bromofluorobenzene	96.5		83 - 122				06/16/11 12:41	08/17/11 01:29	1.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dll Fac
1,2,4-Trichlorobenzene	ND	RL1 RL8	1.7		mg/kg dry	372	06/17/11 00:00	06/18/11 04:27	10
1,2-Dichlorobenzene	ND	RL1 RL8	1.7		mg/kg dry	££	06/17/11 00:00	06/18/11 04:27	10
1,3-Dichlorobenzene	ND	RL1 RL8	1.7		mg/kg dry	ţţ.	06/17/11 00:00	06/18/11 04:27	10
1,4-Dichlorobenzene	ND	RL1 RL8	1.7		mg/kg dry	₽	06/17/11 00:00	06/18/11 04:27	10
2,4,5-Trichlorophenol	ND	RL1 RL8	8.5		mg/kg dry	₩	06/17/11 00:00	06/18/11 04:27	10
2,4,6-Trichlorophenol	ND	RL1 RL8	1.7		mg/kg dry	ø	06/17/11 00:00	06/18/11 04:27	10
2,4-Dichlorophenol	ND	RL1 RL8	1.7		mg/kg dry	ø	06/17/11 00:00	06/18/11 04:27	10
2,4-Dimethylphenol	ND	RL1 RL8	1.7		mg/kg dry	Ø	08/17/11 00:00	08/18/11 04:27	10
2,4-Dinitrophenol	ND	RL1 RL8	8.5		mg/kg dry	₽	06/17/11 00:00	06/18/11 04:27	10
2,4-Dinitrotoluene	ND	RL1 RL8	1.7		mg/kg dry	₽	06/17/11 00:00	06/18/11 04:27	10
2,6-Dinitrotoluene	NĐ	RL1 RL8	1.7		mg/kg dry	Φ	06/17/11 00:00	06/18/11 04:27	10
2-Chloronaphthalene	DИ	RL1 RL8	1.7		mg/kg dry	i)	06/17/11 00:00	06/18/11 04:27	10.
2-Chlorophenol	ND	RL1 RL8	1.7		mg/kg dry	*	08/17/11 00:00	08/18/11 04:27	10
2-Methylnaphthalene	ND	RL1 RL8	1.7		mg/kg dry	i)	06/17/11 00:00	08/18/11 04:27	10
2-Methylphenol	ND	RL1 RL8	1.7		mg/kg dry	₽	06/17/11 00:00	06/18/11 04:27	10
2-Nitroanlline	ND	RL1 RL8	6.5		mg/kg dry	¤	08/17/11 00:00	08/18/11 04:27	10
2-Nitrophenol	ND	RL1 RL8	1.7		mg/kg dry	ø	08/17/11 00:00	06/18/11 04:27	10
3&4-Methylphenol	· ND	RL1 RL8	1.7		mg/kg dry	ø	08/17/11 00:00	08/18/11 04:27	10
3,3'-Dichlorobenzidine	ND	RL1 RL8	8.5	•	mg/kg dry	×	08/17/11 00:00	0B/18/11 04:27	10
3-Nitroaniline	ND	RL1 RL8	8.5		mg/kg dry	ø	06/17/11 00:00	06/18/11 04:27	10
4,6-Dinitro-2-methylphenol	ND	RL1 RL8	8.5		mg/kg dry	ø	06/17/11 00:00	08/18/11 04:27	10
4-Bromophenyl-phenyl ether	ND	RL1 RL8	1.7		mg/kg dry	₽	08/17/11 00:00	06/18/11 04:27	10
4-Chloro-3-methylphenol	ND	RL1 RL8	1.7		mg/kg dry	₽	06/17/11 00:00	06/18/11 04:27	10
4-Chtoroaniline	ND	RL1 RL8	1.7		mg/kg dry	¤	08/17/11 00:00	08/18/11 04:27	10
4-Chlorophenyi phenyi ether	ND	RL1 RL8	1.7		mg/kg dry	₽	06/17/11 00:00	06/18/11 04:27	10
4-Nitroanilin o	ND	RL1 RL8	8.5		mg/kg dry	XX.	06/17/11 00:00	08/18/11 04:27	10
4-Nitrophenol	ND	RL1 RL8	8.5		mg/kg dry	ø	06/17/11 00:00	08/18/11 04:27	10
Acenaphthene	ND	RL1 RL8	1.7		mg/kg dry	ø	06/17/11 00:00	06/18/11 04:27	10
Acenaphthylene	ND	RL1 RL8	1,7		mg/kg dry	ø	06/17/11 00:00	08/18/11 04:27	10













Client: RT ENVIRONMENTAL Project/Site: 70461-07

Client Sample ID: CD-4

Date Collected: 06/15/11 12:10

Date Received: 06/15/11 13:40

Aldrin

alpha-BHC

beta-BHC

TestAmerica Job ID: KUF0338

Matrix: Soll

Percent Solids: 95.5

Lab Sample ID: KUF0338-04















Analyte	Result	Qualifier	RL.	MDL Unit	D	Prepared	Analyzed	DII Fac
Aniline	ND	RL1 RL8	1.7	mg/kg dry	***	06/17/11 00:00	06/18/11 04:27	10
Anthracene	ND	RL1 RL8	1.7	mg/kg dry	Þ	06/17/11 00:00	06/18/11 04:27	10
Benzo (a) anthracene	ND	RL1 RL8	1.7	mg/kg dry	₿	08/17/11 00:00	08/18/11 04:27	10
Benzo (a) pyrene	ND	RL1 RL8	1.7	mg/kg dry	₿	08/17/11 00:00	06/18/11 04:27	10
Benzo (b) fluoranthene	ND	RL1 RL8	1.7	mg/kg dry	¢	06/17/11 00:00	06/18/11 04:27	10
Benzo (g,h,i) perylene	ND	RL1 RL8	1.7	mg/kg dry	. 10	08/17/11 00:00	06/18/11 04:27	10
Benzo (k) fluoranthene	ND	RL1 RL8	1.7	mg/kg dry	Ħ	06/17/11 00:00	06/18/11 04:27	10
Benzoic acid	ND	RL1 RL8	8.5	mg/kg dry	XI.	08/17/11 00:00	06/18/11 04:27	10
Benzyl alcohol	ND	RL1 RL8	1.7	mg/kg dry	Ä	06/17/11 00:00	06/18/11 04:27	10
Bis(2-chloroethoxy)methane	ND	RL1 RL8	1.7	mg/kg dry	Þ	06/17/11 00:00	06/18/11 04:27	10
Bis(2-chloroethyl)ether	ND	RL1 RL8	0.85	mg/kg dry	D	06/17/11 00:00	06/18/11 04:27	10
Bis(2-chloroisopropyl)ether	ND	RL1 RL8	1.7	mg/kg dry	₿	06/17/11 00:00	08/18/11 04:27	10
Bis(2-ethylhexyl)phthalate	ND	RL1 RL8	5.6	mg/kg dry	₽	06/17/11 00:00	08/18/11 04:27	10
Butyl benzyl phthalate	NĎ	RL1 RL8	1.7	mg/kg dry	ø	06/17/11 00:00	08/18/11 04:27	10
Сhrysene	ND	RL1 RL8	1.7	mg/kg dry	33	06/17/11 00:00	08/16/11 04:27	10
Dibenz (a,h) anthracene	ND	RL1 RL8	1.7	mg/kg dry	₽	06/17/11 00:00	06/18/11 04:27	10
Dibenzofuran	ND	RL1 RL8	1.7	mg/kg dry	O	06/17/11 00:00	06/18/11 04:27	10
Diethyl phthalate	ND	RL1 RL8	1.7	mg/kg dry	×	06/17/11 00:00	06/18/11 04:27	10
Dimethyl phthalate	ND	RL1 RL8	1.7	mg/kg dry	**	06/17/11 00:00	06/18/11 04:27	10
Di-n-butyl phthalate	ND	RL1 RL8	5.6	mg/kg dry	₽	06/17/11 00:00	08/18/11 04:27	10
Di-n-octyl phthalate	ND	RL1 RL8	1.7	mg/kg dry	₽	06/17/11 00:00	06/18/11 04:27	10
Diphenylamine	ND	RL1 RL8	1.7	mg/kg dry	₽	06/17/11 00:00	08/18/11 04:27	10
Fluoranthene	ND	RL1 RL6	1.7	mg/kg dry	***	06/17/11 00:00	08/18/11 04:27	10
Fluorene	ND	RL1 RL8	1.7	mg/kg dry	₩	06/17/11 00:00	06/16/11 04:27	10
Hexachlorobenzene	ND	RL1 RL8	1.7	mg/kg dry	₽	06/17/11 00:00	06/18/11 04:27	10
Hexachlorobutadiene	ND	RL1 RL8	1.7	mg/kg dry	₿	06/17/11 00:00	06/18/11 04:27	10
Hexachlorocyclopentadiene	ND	RL1 RL8	1.7	mg/kg dry	₩	06/17/11 00:00	06/18/11 04:27	10
Hexachloroethane	ND	RL1 RL8	1.7	mg/kg dry	ø	06/17/11 00:00	06/18/11 04:27	10
Indeno (1,2,3-cd) pyrene	ND	RL1 RL8	1.7	mg/kg dry	₽.	06/17/11 00:00	06/18/11 04:27	10
Isophorone	ND	RL1 RL8	1.7	mg/kg dry	₽	06/17/11 00:00	06/18/11 04:27	10
Naphthalene	ND	RL1 RL8	1.7	mg/kg dry	¤	06/17/11 00:00	06/18/11 04:27	10
Nitrobenzene	ND	RL1 RL8	1.7	mg/kg dry	¤	08/17/11 00:00	06/18/11 04:27	10
N-Nitrosodi-n-propylamine	ND	RL1 RL8	1.7	mg/kg dry	₿	08/17/11 00:00	06/18/11 04:27	10
Pentachlorophenol	ND	RL1 RL8	8.5	mg/kg dry	*	06/17/11 00:00	06/18/11 04:27	10
Phenanthrene	ND	RL1 RL8	1.7	mg/kg dry	₿	06/17/11 00:00	06/18/11 04:27	10
Phenol	ND	RL1 RL8	1.7	mg/kg dry	¤	06/17/11 00:00	06/18/11 04:27	10
Pyrene	ND	RL1 RL8	1.7	mg/kg dry	ţţ	06/17/11 00:00	08/18/11 04:27	10
Surrogate	% Recovery	Qualifier	Limits			Prepared	Analyzed	Dii Fac
2-Fluorophenol	77.9	RL1 RL8	36 - 111			06/17/11 00:00	06/18/11 04:27	10
Phenol-d6	79,0	RL1 RL8	48 - 106			06/17/11 00:00	06/18/11 04:27	10
Nitrobenzene-d5	79.6	RL1 RL8	47 - 108			06/17/11 00:00	08/18/11 04:27	10
2-Fluorobiphenyl	83,3	RL1 RL8	54 - 106			06/17/11 00:00	06/18/11 04:27	10
2,4,6-Tribromophenoi	57.1	RL1 RL8	37 - 122			06/17/11 00:00	06/18/11 04:27	10
Terphenyl-d14	83.3	RL1 RL8	64 - 118			06/17/11 00:00	06/18/11 04:27	10
 Method: EPA 8081A - Organoo	chiorine Pesticide	s by EPA i	Nethod 8081A					
Analyte		Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dli Fac

08/20/11 17:46

08/20/11 17:46

08/20/11 17:46

1.0

1,0

1.0

06/17/11 00:00

08/17/11 00:00

06/17/11 00:00

ø

mg/kg dry

mg/kg dry

mg/kg dry

0,0010

0.0010

0.0010

ND C4

ND C4

ND C4

Client: RT ENVIRONMENTAL Project/Site: 70461-07

TestAmerica Job ID: KUF0338

Lab Sample ID: KUF0338-04

Matrix: Soil .5



100	
182	RESTRICTE
	5





Client Sample ID: CD-4
Date Collected: 06/15/11 12:10
Date Received: 06/15/11 13:40
1

Mercury

Date Received: 06/15/11 13:4	0							Percent Sol	ids; 95.£
Method: EPA 8081A - Organ	nochlorine Pesticid	es by EPA	Method 8081A (Continue	ed)				
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
delta-BHC	ND	C4 R1	0.0010		mg/kg dry	1¢	06/17/11 00:00	06/20/11 17:46	1.0
gamma-BHC (Lindane)	ND	C4	0.0010		mg/kg dry	**	08/17/11 00:00	06/20/11 17:46	1.0
Chlordane (tech)	ND	C4	0.020		mg/kg dry	ņ	06/17/11 00:00	06/20/11 17:46	1.0
alpha-Chlordane	ND	C4	0.0020		mg/kg dry	蚊	06/17/11 00:00	06/20/11 17:48	1.0
gamma-Chlordane	ND	C4	0.0020		mg/kg dry	n	06/17/11 00:00	06/20/11 17:48	1.0
4,4'-DDD	ND	C4	0.0060		mg/kg dry	ņ	06/17/11 00:00	08/20/11 17:46	1.0
4,4'-DDE	ND	C4	0.0020		mg/kg dry	¤	08/17/11 00:00	06/20/11 17:48	1.0
4,4'-DDT	0.025	C4	0.0060		mg/kg dry	₩	06/17/11 00:00	06/20/11 17:46	1.0
Dieldrin	ND	C4	0.0020		mg/kg dry	*	06/17/11 00:00	08/20/11 17:46	1.0
Endosulfan I	ND	C4	0.0020		mg/kg dry	₽	06/17/11 00:00	08/20/11 17:46	1.0
Endosulfan II	ND	C4	0.0020		mg/kg dry	×	06/17/11 00:00	06/20/11 17:46	1.0
Endosulfan sulfate	ND	C4	0.0060		mg/kg dry	¤	06/17/11 00:00	06/20/11 17:48	1.0
Endrin	ND	C4 R1	0.0020		mg/kg dry	₽	08/17/11 00:00	08/20/11 17:46	1.0
Endrin aldehyde	NO	C4	0.0060		mg/kg dry	ø	08/17/11 00:00	08/20/11 17:46	1.0
Endrin ketone	ND	C4	0.0060		mg/kg dry	₽	06/17/11 00:00	08/20/11 17:46	1.0
Heptachlor	ND	C4	0.0010		mg/kg dry	ņ	06/17/11 00:00	08/20/11 17:46	1.0
Heptachlor epoxide	ND	C4	0.0010		mg/kg dry	Þ	06/17/11 00:00	06/20/11 17:46	1.0
Methoxychlor	ND	C4	0.020		mg/kg dry	13	06/17/11 00:00	06/20/11 17:46	1.0
Toxaphene	ND	C4	0.080		mg/kg dry	ø	06/17/11 00:00	06/20/11 17:46	1.0
Surrogate	% Recavery	Qualifier	Limits				Prepared	Analyzed	Dii Fac
Tetrachloro-meta-xylene	59.1	C4	33 - 111				08/17/11 00:00	08/20/11 17:46	1.0
Decachlorobiphenyl	12.3	C4 Z5	30 - 119				08/17/11 00:00	06/20/11 17:46	1.0
Method: EPA 8082 - Polychi	orinated Biphenyls	by EPA Me	thod 8082 - RE	1					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
PCB-1016	ND	RL7 L1	0.20		mg/kg dry	ŭ	06/21/11 10:14	06/22/11 08:24	4.0
PCB-1221	ND	RL7	0.20		mg/kg dry	ø	06/21/11 10:14	08/22/11 08:24	4.0
PCB-1232	ND	RL7	0.20		mg/kg dry	₽	06/21/11 10:14	06/22/11 08:24	4.0
PCB-1242	ND	RL7	0.20		mg/kg dry	₿	08/21/11 10:14	06/22/11 08:24	4.0
PCB-1248	ND	RL7	0.20		mg/kg dry	₽	06/21/11 10:14	08/22/11 08:24	4.0
PCB-1264	0.50	RL7	0.20		mg/kg dry	₩	06/21/11 10:14	08/22/11 08:24	4.0
PCB-1260	ND	RL7 L1	0.20		mg/kg dry	33	06/21/11 10:14	06/22/11 08:24	4.0
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	DII Fac
Tetrachioro-meta-xylene	77.2	RL7	21 - 119				06/21/11 10:14	06/22/11 08:24	4.0
Decachlorobiphenyl	64.4	RL7	10 - 144				08/21/11 10:14	06/22/11 08:24	4.0
Method: EPA 6010B - Total I	Metals by EPA 6000	/7000 Serie	s Methods						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.1		2.0		mg/kg dry	**	06/16/11 08:13	06/16/11 13:43	2.0
Barlum	82		1.0		mg/kg dry	33	06/16/11 08:13	06/16/11 13:43	2.0
Cadmium	ND		2.0		mg/kg dry	₿	06/16/11 08:13	06/16/11 13:43	2.0
Chromlum	17		5.0		mg/kg dry	₽3	08/16/11 08:13	06/16/11 13:43	2.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.1		2.0		mg/kg dry	33	06/16/11 08:13	06/16/11 13:43	2.0
Barlum	82		1.0		mg/kg dry	33	08/16/11 08:13	06/16/11 13:43	2.0
Cadmium	ND		2.0		mg/kg dry	Þ	06/16/11 08:13	06/16/11 13:43	2.0
Chromlum	17		5.0		mg/kg dry	tò.	08/16/11 08:13	06/16/11 13:43	2.0
Lead	170		2.0		mg/kg dry	ជា	06/16/11 08:13	06/16/11 13:43	2.0
Selenium	ND		8.0		mg/kg dry	171	08/18/11 08:13	06/16/11 13:43	2.0
Silver	ND		2.0		mg/kg dry	ø	06/16/11 08:13	06/16/11 13:43	2.0
Method: EPA 7471A - Tot	al Motale by EDA 6000	/7000 Sorios 8	fothode.						
Analyte	•	Qualifler	RL	MDL	Unit	а	Prepared	Analyzed	Dil Fac

06/21/11 08:11 06/21/11 13:45

0.100

mg/kg dry

0.427

Lab Chronicle

Client: RT ENVIRONMENTAL Project/Site: 70461-07

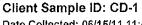
TestAmerica Job ID: KUF0338

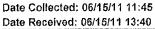
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Lab Sample ID: KUF0338-01

Matrix: Soil

Percent Solids: 94.9





	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Турв	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B (P/T)		0.99	11F0370_P	06/16/11 12:41	JAD	TAL KOP
Total	Analysis	EPA 8260B		1.0	U001202	06/16/11 23:57	JAD	TAL KOP
Total	Prep	EPA 3550B		2.4	11F0374_P	08/17/11 00:00	JLE	TAL KOP
Total	Analysis	EPA 8270C		10	11F0374	08/18/11 03:08	ADO	TAL KOP
Total	Prep	EPA 3560B		0,99	11F0375_P	06/17/11 00:00	JLE	TAL KOP
Total	Analysis	EPA 8081A		1.0	11F0375	08/20/11 17:00	GMA	TAL KOP
Total	Prep	EPA 3550B	RE1	0.99	11F0456_P	06/21/11 10:14	MS	TAL KOP
Total	Analysis	EPA 8082	RE1	10	11F0458	08/22/11 07:05	MS	TAL KOP
Total	Prep	EPA 7471A		1.00	11F0450_P	06/21/11 08:11	PAM	TAL KOP
Total	Analysis	EPA 7471A		1.00	U001246	06/21/11 13:37	MR	TAL KOP
Total	Ргер	EPA 3050B Soil		0.92	11F0359_P	08/16/11 08:13	PAM	TAL KOP
Total	Analysis	EPA 6010B		2,0	U001206	06/16/11 13:35	MKR	TAL KOP
Total	Prep	General Prep WC		1.00	11F0458_P	06/21/11 10:54	DRH	TAL KOP
Total	Analysis	EPA 160.3		1.00	11F0458	06/21/11 11:11	DRH	TAL KOP

Client Sample ID: CD-2

Date Collected: 06/15/11 11:55 Date Received: 06/15/11 13:40 Lab Sample ID: KUF0338-02

Matrix: Soil Percent Solids: 94.4

*	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B (P/T)		0.88	11F0370_P	06/16/11 12:41	JAD	TAL KOP
Total .	Analysis	EPA 8260B		1.0	U001202	06/17/11 00:27	JAD	TAL KOF
Total	Prep	EPA 3550B		1.0	11F0374_P	06/17/11 00:00	JLE	TAL KOF
Total	Analysis	EPA 8270C		10	11F0374	06/18/11 03:35	ADO	TAL KÖ
Total	Prep	EPA 3550B		0.99	11F0375_P	06/17/11 00:00	JLE	TAL KOI
Total	Analysis	EPA 8081A		1.0	11F0375	06/20/11 17:15	GMA	TAL KO
Total	Prep	EPA 3550B	RE1	0.99	11F0458_P	06/21/11 10:14	MS	TAL KO
Total	Analysis	EPA 8082	RE1	10	11F0456	06/22/11 07:31	MS	TAL KO
Total	Prep	EPA 7471A		1.00	11F0450_P	08/21/11 08:11	PAM	TAL KO
Total	Analysis	EPA 7471A		1.00	U001246	06/21/11 13:38	MR	TAL KO
Total	Prep	EPA 3050B Soil		1.1	11F0359_P	06/16/11 08:13	PAM	TAL KOI
Total	Anatysis	EPA 6010B		2.0	U001208	06/16/11 13:38	MKR	TAL KO
Total	Prep	General Prep WC		1.00	11F0458_P	06/21/11 10:54	DRH	TAL KO
Total	Analysis	EPA 160.3		1.00	11F0458	06/21/11 11:11	DRH	TAL KO

Client Sample ID: CD-3

Date Collected: 06/15/11 12:00 Date Received: 06/15/11 13:40 Lab Sample ID: KUF0338-03

Matrix: Soil Percent Solids: 96.8

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B (P/T)		1.0	11F0370_P	06/16/11 12:41	JAD	TAL KOP
Total	Analysis	EPA 8260B		1.0	U001202	06/17/11 00:58	JAD	TAL KOP
Total	Prep	EPA 3550B		2.1	11F0374_P	06/17/11 00:00	JLE	TAL KOP
Total	Analysis	EPA 8270C		10	11F0374	06/18/11 04:01	ADO	TAL KOP
Total	Prep	EPA 3550B		1.0	11F0375_P	06/17/11 00:00	JLE	TAL KOP

Lab Chronicle

Client: RT ENVIRONMENTAL Project/Site: 70461-07

Client Sample ID: CD-3

Date Collected: 06/15/11 12:00

Date Received: 06/15/11 13:40

TestAmerica Job ID: KUF0338

Lab Sample ID: KUF0338-03

Matrix: Soll Percent Solids: 96.8



	Batch	Batch		Dilution	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
Total	Analysis	EPA 8081A		1.0	11F0375	06/20/11 17:31	GMA	TAL KOP
Total	Prep	EPA 3550B	RE1	1.0	11F0456_P	06/21/11 10:14	MS	TAL KOP
Total	Analysis	EPA 8082	RE1	10	11F0456	06/22/11 07:58	MS	TAL KOP
Total	Prep	EPA 7471A		1.00	11F0450_P	08/21/11 08:11	PAM	TAL KOP
Total	Analysis	EPA 7471A		1.00	U001246	06/21/11 13:40	MR	TAL KOP
Total	Prep	EPA 3050B Soil		1.1	11F0359_P	06/16/11 08:13	PAM	TAL KOP
Total	Analysis	EPA 6010B		2.0	U001206	06/16/11 13:41	MKR	TAL KOP
Total	Prep	General Prep WC		1.00	11F0464_P	06/21/11 14:50	DRH	TAL KOP
Total	Analysis	EPA 160,3		1.00	11F0464	06/21/11 15;13	DRH	TAL KOP

Client Sample ID: CD-4 Date Collected: 06/15/11 12:10 Lab Sample ID: KUF0338-04

Matrix: Soll Percent Solids: 95.5

Date Received: 06/15/11 13:40

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B (P/T)		0.93	11F0370_P	06/16/11 12:41	JAD	TAL KOP
Total	Analysis	EPA 8260B		1.0	U001202	06/17/11 01:29	JAD	TAL KOP
Total	Prep	EPA 3550B		1,7	11F0374_P	06/17/11 00:00	JLE	TAL KOP
Total	Analysis	EPA 8270C		10	11F0374	08/18/11 04:27	ADO	TAL KOP
Total	Prep	EPA 3550B		0.99	11F0375_P	08/17/11 00:00	JLE	TAL KOP
Total	Analysis	EPA 8081A		1,0	11F0375	06/20/11 17:46	GMA	TAL KOP
Total	Prep	EPA 3550B	RE1	0.99	11F0456_P	06/21/11 10:14	MS	TAL KOP
Total	Analysis	EPA 8082	RE1	4.0	1 1F 0456	06/22/11 08:24	MS	TAL KOP
Total	Prep	EPA 7471A		1,00	11F0450_P	06/21/11 08:11	PAM	TAL KOP
Total	Analysis	EPA 7471A		1.00	U001246	06/21/11 13:45	MR	TAL KOP
Total	Prep	EPA 3050B Soil		1.0	11F0359_P	06/16/11 08:13	PAM	TAL KOP
Total	Analysis	EPA 6010B		2.0	U001206	06/16/11 13:43	MKR	TAL KOP
Total	Prep	General Prep WC		1.00	11F0458_P	06/21/11 10:54	DRH	TAL KOP
Total	Analysis	EPA 160.3		1.00	11F0458	06/21/11 11:11	DRH	TAL KOP

Laboratory References:

TAL KOP = TestAmerica King Of Prussia, 1008 West Ninth Avenue, King of Prussia, PA 19406, TEL 610.337.9992

Certification Summary

Client: RT ENVIRONMENTAL

Project/Site: 70461-07

TestAmerica Job ID: KUF0338

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Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica King Of Prussia	Maryland	State Program	3	253
TestAmerica King Of Prussia	New Jersey	NELAC	2	PA004
TestAmerica King Of Prussla	Pennsylvania	NELAC	3	46-00505
TestAmerica King Of Prussia	USDA	USDA		P330-10-00327

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.









Testamerica
THE LEADER IN ENVIRONMENTAL TESTING







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CHAIN OF CUSTODY REPORT

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XE		ANALYSIS	E BOTT ES ROPLIFERED	# of Bottles Preservative Used	Tr.	, K	104M-07	Project #/PO#: 7046
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Temp. Upon Receipt: 7.3°C	le Package: □ YES		Terms: Net 30 days			D// C	A 19406	Reporting: //ussics/
WIE WESTILL MEEDE	ice ambient	Received			Address:	ord	W. Church Rose	Address: 215 W
2 DAY 1 DAY 24 HRS.	SDAY 4 DAY 3 DAY	TAT: STD.		Spins	Face Bill To:	Service In		Client: & CAU, worker to
				,		•	`	- - -

1008 W. Ninth Avenue King of Prussia, PA 19406 (610) 337-9992 FAX (610) 337-9939

Revision:5

Effective: 6/2/11

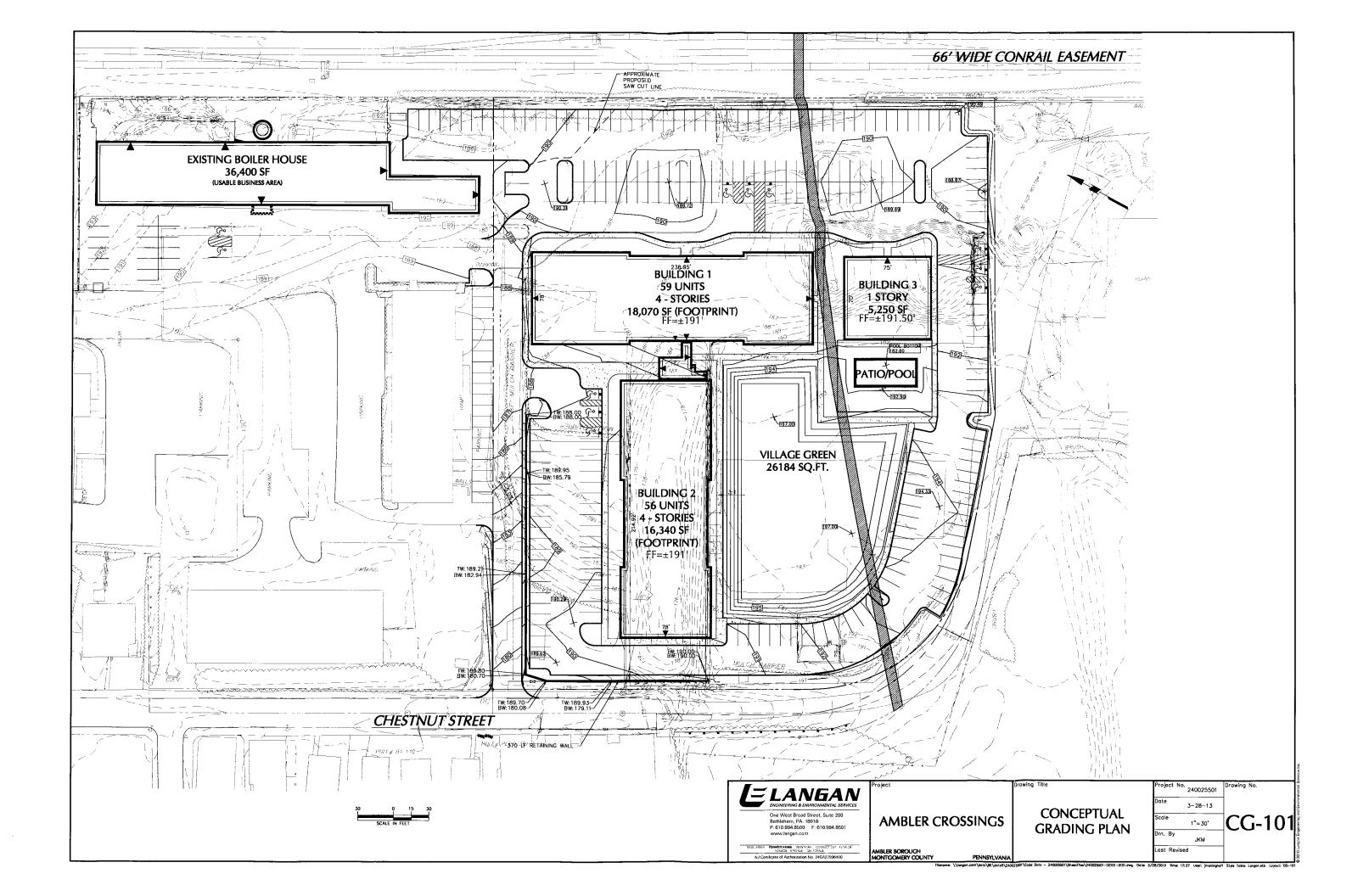
Cooler Receipt Form

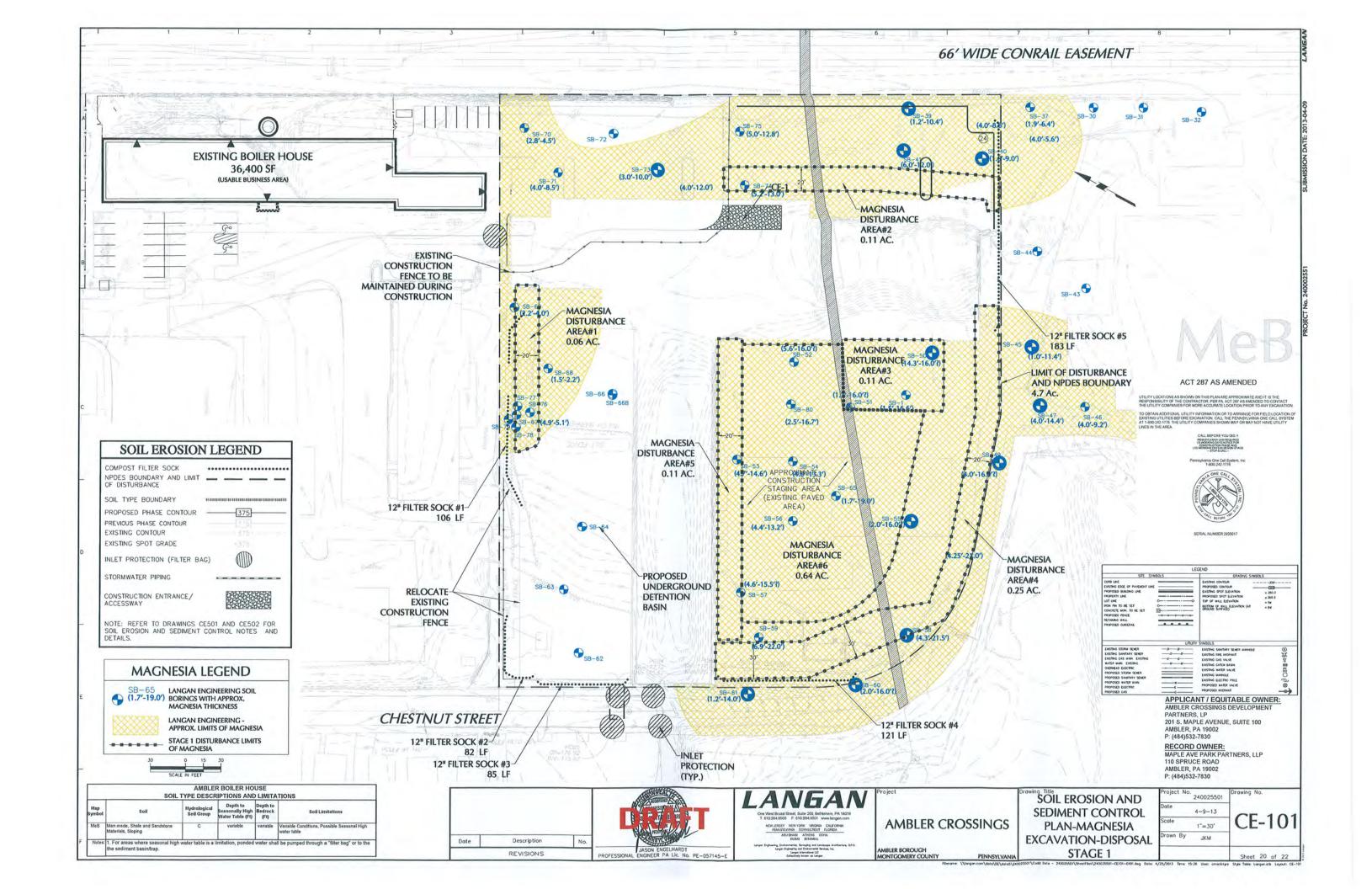
0001	A LACOCIDE I OTHE
WORK ORDER #: K	VF0338
, , , , , , , , , , , , , , , , , , , ,	Ambler BH-CD
Temperature Upon Receipt by IR: 7.3 °C Cooler received from: TA Courier Client FedEx UPS O	ther:
	dy Seals Intact? Y'N ng Material: Bubble Wrap Other None
For Samples to be Subcontracted after reciept only: ALL preserved containers (except VOA) checked for corre If Samples need preservation: Preservative/lot#:	ot pH and are acceptable? Y: N: N/A
Ensure that Preservation Stickers are affixed to each conta Residual Chlorine checks done on each container that nee	1
	ample Containers labeled YN ontainer labels match COC Y N
Review COC against Sample Acceptance Checklist: 1. Client Name & Address present 2. Project Name and/or Number included 3. Field Sampler Name listed 4. Field ID - one sample per line 5. Date collected (for each sample) 6. Time collected (for each sample)	Ves No Ves No Ves No Ves No Ves No No No No No
7. Matrix (for each sample) 3. Number & Types of bottles per sample (and preservation). Analysis Requested 10. Sign & Date in the Relinquished Box Discrepancies:	(res No
Sample Location (State): PANJ DE Other State Listed on COC or Ongoing Project D PM or Client contacted? Y N N/A Spec Sheet/CAR#: Signature: When her the	Date/Time: <u>6-15-11</u>

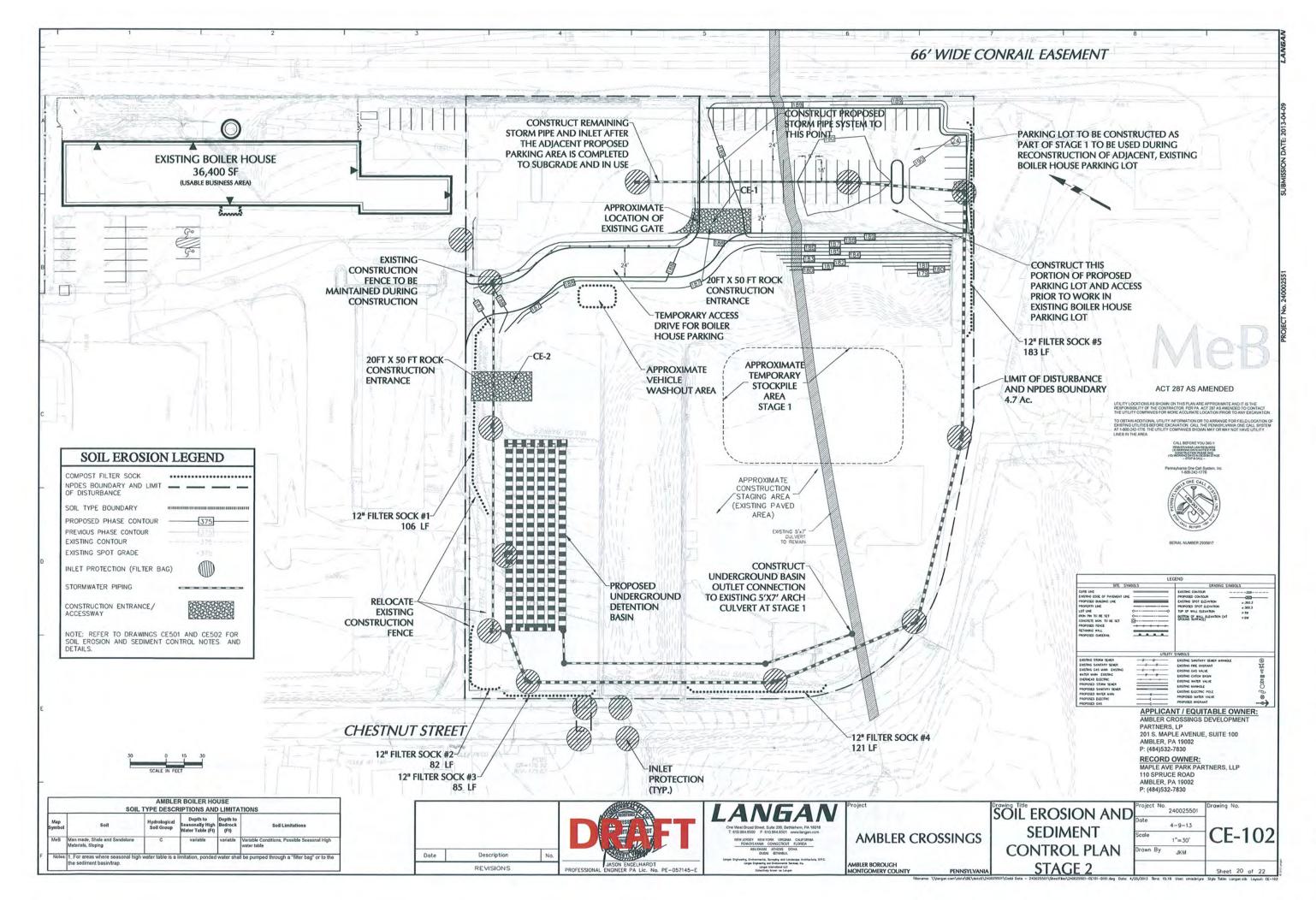
Property of TestAmerica King of Prussia

APPENDIX 5

GRADING PLAN / E & S CONTROL PLAN (LANGAN)





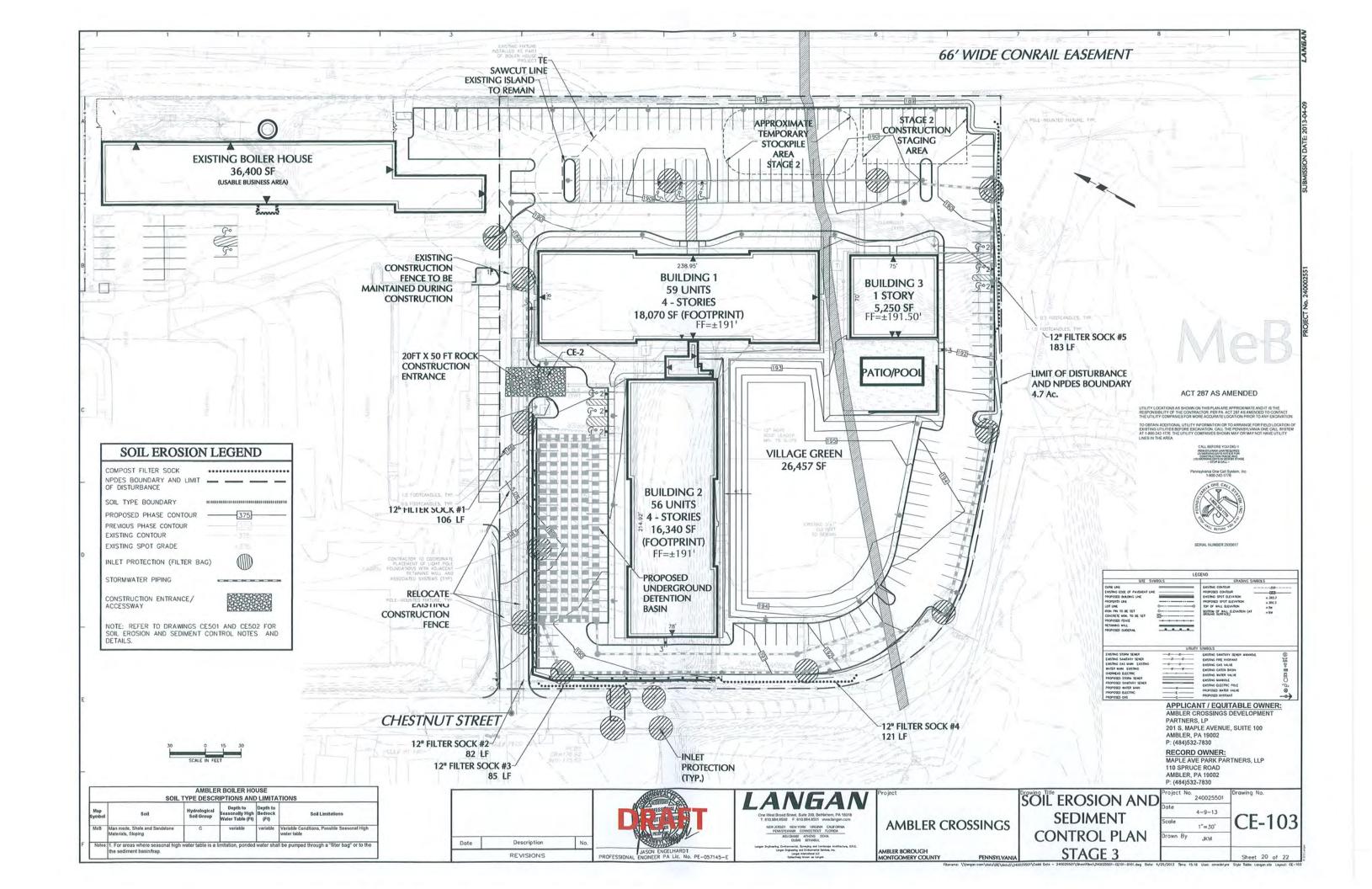


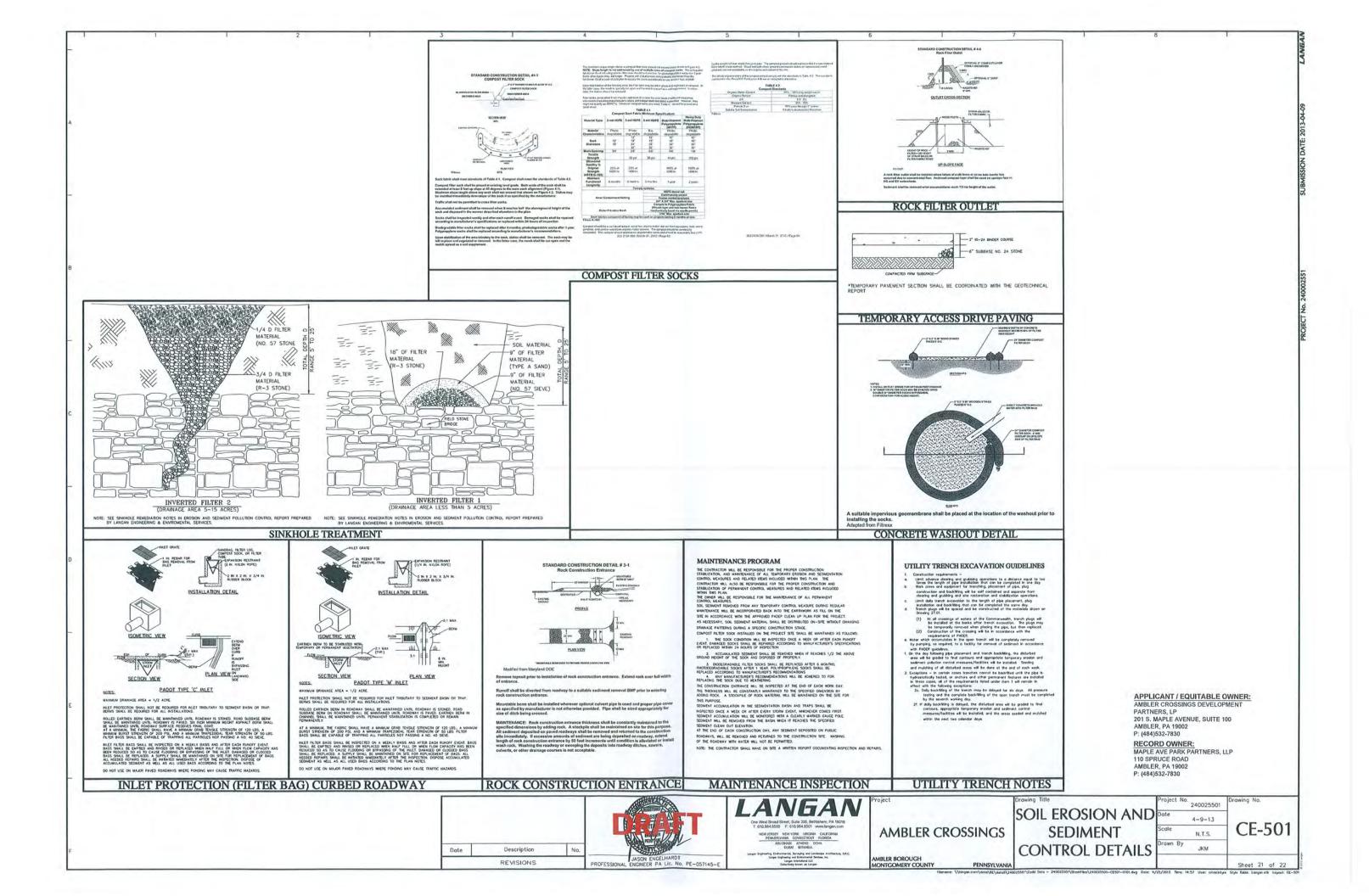
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Sequence of Construction

- Each stage of the sequence of construction must be completed prior to initiation of the next stage of the sequence of construction. Construction activities within each stage may overlap provided that work within each area is carried out in sequence. The Mortgomery County Soil Conservation District must be notified by the contractor in writing 27 hours prior to any land disturbances. A pre-construction meeding is to be held with the fact, on site, prior to disturbance. An owner representative, the site contractor representative, project engineer, and any other pertinent personnel should attend. The borough
- The "Ambler Grossings" project shall be constructed in accordance with plans approved by the Borough of Ambler, erosion and sediment pollution or plans approved by the Montgomery County Conservation District and the PADEP approved Clean Up Plan under the Land Recycling Act 2 Program
- All blastling activity, if required, should be done in accordance with the local, state and federal regulations. Contractor should notify Owner and all regulatory agencies in writing prior and obtain any necessary permits prior to any blastling activities.

- Install a gravel buffer of AASHTO No. 1 rock; 8 inches deep at the construction entrance (CE-1) immediately before initial disturbances as per standards on drawings. Gravel buffer to be underfain by filter fabric as indicated on the detail plans. All construction traffic should use only this area for ingress and egress. As conditions warrant, these becations may be modified with the prior approval from the Medignergy County Soll Conservation district.
- Install construction entrance, compost filter socks and adjust existing perimeter fence as indicated on Drawing CE-102.8 CE-103. Method of installation maintenance in accordance with PADEP requirements and as indicated on the detail plans. The installation of the construction entrances, compost filte socks, and existing perimeter fence relocations at the indicated location should be done prior to any other earth disturbances.
- 3. Excavate and dispose of material in the magnesia disturbance areas, delineated on sheet CE-101, in accordance with the PADEP approved Clean Up Plan.

STAGE 2

- Clear and grub area of proposed disturbance.
- 2. Crush concrete rubble onsite and stockpile where indicated on Drawing CE-102.
- 4. Install the remaining storm sewer system from the most downstream manhole at the proposed underground detention basin to the fence line at the existing Boiler House parking lot as shown on drawing CE-102, Install the underground detention basin. Install permanent storm sewer pipes and associated drawings extructures at the Ambello Crossings site. The storm sewer systems shall be installed from downstream to upstream. As catch basins are constructed, place inlet protection filter bags inside and maintain as indicated on Drawing CE-102.
- Install a gravel buffer of AASHTO No. 1 rock, 8 inches deep at the construction entrance (CE-2). Gravel buffer to be underfain by filter fabric as indicated on
 the detail plans. All construction traffic should use only this area for ingress and egress. As conditions warrant, these locations may be modified with the prior
 approval from the Mortigomery County Scal Conservation distinct. Remove construction entrance CE-1.
- Construct permanent northeast parking area to subbase elevation to be utilized for temporary Boiler House parking. Construct temporary access to new parking area. Place topsoil and excess fill material in areas designated on the plan and in accordance with the PADEP approved Clean Up Plan.
- Install remaining section of storm pipe and structure. Place inlet filter bag in catch basin. Rebuild remaining section of Boiler House parking to propose

STAGE 3

- 1. Remove temporary access drive after Boiler House parking is rebuilt and connected to new northeast parking area.
- 2. Construct retaining wall at eastern corner of site and along Chestnut Street
- 3. Excavate for building foundations, remove or dispose of material in accordance with PADEP approved Clean Up Plan.
- 4. Begin construction of on-site utilities including roof leaders. On site subsurface utilities shall consist of gas, electric, telephone, cable, water, and sant sewers. Advance tench excavation shall be limited to the length of pipe that can be completed in the same day. On the day following utility installab tench are shall be graded to subspade elevation. Hydroseeding andof injudi mutaking of all disturbed areas shall be completed at the end of each day. All water, sewer, gas mains and other underground facilities shall be installed prior to paving.
- 5. Construct curbing along paved areas and roadways as indicated on Drawing CS-101.
- 7. Place gravel subbase and bituminous subbase course in areas of proposed pavement
- 8. Commence vertical construction of proposed buildings and pool. Schedule determined by Constructors
- 9. Complete final site grading and landscape of all appropriate areas. Stabilize with permanent seed and mulch.
- 10. Complete final surface course paving.
- Construction entrances, compost filter socks, perimeter fence, and inlet protection shall be maintained until all improvements to the site are completed, road
 and parking areas are paved, and 70% uniform permanent vegetative coverage has been established.

PROPERTY	TEST METHOD	MINIMUM STANDARS
AVG. MICE WIDTH STRENGTH	ASTM D-4884	60 LB/N
CRAB TENSEE	ASTN D-4632	205 LB
PUNCTURE	ASTN 0-4833	110 LB
MULLEN BURST	ASTM 0-3786	350 PSI
UV RESISTANCE	ASTM D-4355	70%
AOS % RETAINED	ASTM D=4751	80 SIEVE

A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES SHALL BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 1/2 FULL OF SEDIMENT. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED. BAGS SHALL BE PLACED ON STRAPS TO FACULTATE REMOVAL UNLESS BAGS COME WITH LIFTING STRAPS ALREADY ATTACHED.

BAGS SHALL BE LOCATED IN WELL-VECETATED (GRASSY) AREA, AND DISCHARGE ONTO STABLE, EROSION RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GODTEXTIBLE UNDERLAWMENT AND FLOW PART SHALL BE PROVIDED. BAGS MAY BE PLACED ON FILTER STONE TO INCREASE DISCHARGE CAPACITY, BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 5%. FOR SLOPES EXCEEDING 5%, CLEAN ROCK OR OTHER NON-ERODIBLE AND NON-POLLUTING MATERIAL MAY BE PLACED UNDER THE BAG TO REDUCE SLOPE STEEPNESS.

THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED. A PIECE OF PVC PIPE IS RECOMMENDED FOR THIS PURPOSE.

THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHALL BE FLOATING AND SCREENED.

FILTER BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.

Plant Tolerances of Soil Limitation Factors

				Tolerates		Minimum Seed Specifications				
Species	Growth Habit ¹	Wer Soll	Dry Site	Low Fertility	Acid Soil (Ph 5-5.5) ²	Parity (%)	Ready Germ (%)	Hard Seed (%)	Total Germ (%)	Seeds/lb (1,000s)
Warm-Season Grass	es									
Decrtongue Weeping lovegrass	bunch bunch	yes no	yes yes	yes yes) es	95 97	75 75		75 75	1,500
Switchgrass* Big bluestem	hunch bunch	yes no	yes yes	yes yes	yes 363			PLS) PLS)		390 150
Cool-Season Grasses										
Tall Fescue Redtop	bunch sed	yes yes	no yes	yes yes	363	95 92	80 80		30 30	227 5,000
Fine fescues Perennial ryegrass	sed bunch	no yes	no no	yes no	no no	95 95	80 85		80 85	400 - 227
Annual ryegrass Kentucky bluegrass	bunch sed	yes no	100	yes no	no no	95 85	85 75		85 75	227
Reed conarygrass Orchardgrass	sod bunch	yes yes	yes yes	305	no yes	95 95	70 80		70 80	520 654
Timothy Smooth bromograss	bunch sod	yes no	no yes	yes yes	yes- no	95 95	80 80		80 80	1,230 136
Legumes ⁵										
Crownvetch Birdsfoot trefoil*	sod bunch	no yes	yes no	yes yes	353	98 98	40 60	30 20	65 80	120 400
Flatpea Serecia lespedeza	sod bunch	no no	no yes	yes yes)es	98 98	55 60	20 20	75 80	10 335
Cereals	277									
Winter wheat Winter tye	bunch bunch	no to	no no	tio yes	no yes	98 98	85 85		85 85	15 18
Spring outs Sundangrass	bunch bunch	50 ·	no yes	100	B0 B0	98 98	85 85		85 85	13 55
Japanese millet	bunch	yes	150	yes	365	98	80		- 80	155

- Growth habit refers to the ability of the species to either form a dense sod by vegetative means (stolons, thizomes, or roots) or remain in a bunch or single plant form. If seeded heavily enough, even bunch formers can preduce a very de stand. This is ometimes called a sod, but not in the sense of a sof formed by vegetative means.
- Once established, plants may grow at a somewhat lower Ph, but cover generally is only adequate at Ph 6.0 or above
- Aliminum seculous are truly minimum, and seculius to be tossel for revergentation purposes should equal are exceed these stoudards. Thus, decrinage grass should germinate 75% or better. Crownwesh should have at least 40% readily gennianable seed and 50% hand seed. Commonly, seedilost are available that equal or exceed minimum specifications. Remember that disturbed sites are abeverse for plant establishment. Ready gennianation refers to seed that germinates during the period of the germination and the seed of the gennianation of the gennianation and the seed of the gennianation of the gennianation and the seed of the gennianation is domnated seed, if conditions are favorable, to gennianate when planted. The opposite of ready gennianation is domnate seed, of which hard seed is one type.
- Switchgrass seed is sold only on the basis of pure live seed (PLS).
- Need specific legume inoculant. Inoculant suitable for garden peas and sweetpeas usually is satisfactory for flatpea
- Birdsfoot trefoil is adapted over the entire state, except in the extreme southeast where crown and root rots may injure

Penn State, "Erosion Control & Conservation Plantings on Noncr

TABLE 11.6 Mulch Application Rates

	Application Rate (Min.)				
Mulch Type	Per Acre	Per 1,000 sq. ft.	Per 1,000 sq. yd.	Notes	
Straw	3 tons	140 lb.	1,240 lb.	Either wheat or oat straw, free of weeds, not chopped or finely broken	
Нау	3 tons	140 lb.	1,240 lb.	Timothy, mixed clover and timothy or other native forage grasses	
Wood Chips	4 - 6 tons	185 – 275 lb.	1,650 - 2,500 lb.	May prevent germination of grasses and legumes	
Hydromulch	1 ton	47 lb.	415	See limitations above	

TABLE 4.2

COMPO	ST STANDARDS
Organic Matter Content	25% - 100% (dry weight basis)
Organic Portion	Fibrous and elongated
pH	5.5 - 8.5
Moisture Content	30% - 60%
Particle Size	30% - 50% pass through 3/8" sieve
Soluble Salt Concentration	5.0 dS/m (mmhos/cm) Maximum

Slopes and Banks (not mowed) Well-drained 1 plus 3, 5, 8, or 12¹ 1 plus 3 or 7 Variable drainage Slopes and Banks (mowed) Well-drained I plus 2 or 10 Slopes and Banks (grazed/hay) Well-drained Gullies and Eroded Areas Erosion Control Facilities (BMPs) Sod waterways, spillways, frequent o Drainage ditches Shallow, less than 3 feet deep 1 plus 2, 3, or 4 2, 3, or 4 5 or 7 Shallow, Jess than 3 recenses. Deep, not innoved Pend banks, dikes, levees, dame, diversion channels, And occasional water flow areas: Mowed areas Non-moved areas For hay or aflage on diversion channels and occa Highways. You-mowed areas Non-mowed areas 5 or 6 5, 7, 8, 9, or 10 3 or 7 3 or 4 2, 3, or 10 Variable drained Poorly drained I plus I plus I plus I plus I plus 5, 8, or 12⁴ 3 or 7 3 or 4 3, 5, 7, 11¹, or 12¹

TABLE 11.5

Recommended Seed Mixtures for Stabilizing Disturbed Areas

- ripanines.
 Spolls, mine wastes, fly sub, slag, sertling besin
 Spolls, mine wastes, fly sub, slag, sertling besin
 Spolls, mine wastes, fly sub, slag, sertling besin
 Spolls, fly sub, slag, 1. For see mixtures 11 and 12, only use spring oats or weeping lovegrass (included in mix) as nurse crop
- Contact the Pennsylvania Department of Transportation district roadside specialist for specific suggestin techniques and management practices.
- Seed mixtures containing crown vetch should not be used in areas adjacent to wetlands or stream channels due to the invasive nature of this species.

3, 4, 5, 7, 8, 9, 11¹, or 12¹

Depth (in)	Per 1,000 Square Feet	Per Acre
1	3.1	134
2	6.2	268
3	9.3	403
4	12.4	537
5	15.5	672
6	18.6	806
7	21.7	940
8	24.8	1,074

TABLE 11.2 at Application Rate Equivalent

	Peru			
Soil Amendment	Per Acre	Per 1,000 sq. ft.	Per 1,000 sq. yd.	Notes
Agricultural lime	6 tons	240 lb.	2,480 lb.	Or as per soil test; may not be required in agricultural fields
10-10-20 fertilizer	1,000 lb.	25 lb.	210 lb.	Or as per soil test; may not be required in agricultural fields
	Tem	porary Seeding Appli	cation Rate	
Agricultural lime	1 ton	40 lb.	410 lb.	Typically not required for topsoil stockpiles
10-10-10 fertilizer	500 lb.	12.5 lb.	100 lb.	Typically not required for topsoil stockpiles

NOTE: A compost blanket which meets the standards of this chapter may be substituted for the soil amendments shown in Table 11.2.

. WATER TO BE PUMPED IN ACCORDANCE WITH THE PADEP APPROVED CLEAN UP PLAN.

STABILIZATION METHODS AND STANDARDS

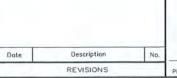
SEDIMENT FILTER BAG FOR PUMPED WATER

APPLICANT / EQUITABLE OWNER:

PARTNERS, LP 201 S. MAPLE AVENUE, SUITE 100 AMBLER, PA 19002 P: (484)532-7830

RECORD OWNER

MAPLE AVE PARK PARTNERS, LLP 110 SPRUCE ROAD AMBLER, PA 19002 P: (484)532-7830





Species
Spring oats (spring), or
Annual ryegrass (spring or fall), or
Winter wheet (fall) or
Winter ryo (fall)
Tall fescue, or
Fine lessue.

Tall fescue Birdsfoot trefoil, plus

Annual ryegrass Birdsfoot trefoil, plur

Perennial ryegrass Serecia lespedeza, plus

Pean State, "Errosian Control and Conservation Plastings on Noncrephed"

P. P.S is the product of the percentage of pure seed times percentage permission divided by 100. For example, to secure the actual planting rate for switchprass, divide 12 pounds P.S. shown on the seed tag. Thus, if the P.S. content of a given seed bit is 35%, vidice 12 pounds p.S. shown on the seed tag. Thus, if the P.S. content of a given seed bit is 35%, vidice 12 p.S. or 35 to obtain 34.3 pounds of seed required to plant one acre. All mixtures in this table are shown in terms of P.S. It high-quality seed is used, for most dates seed spring oats and rate of 2 bushbar per acre, whiter wheat at support the seed of the production of the percentage of the production of the percentage of

PLAN VIEW

ELEVATION VIEW

HEAVY DUTY LIFTING STRAPS

Tall fescue, plus Redtop⁴ Tall fescue, plus Fine fescue Deertongue, plus

58

658

70

94

10

121

13

AMBLER CROSSINGS

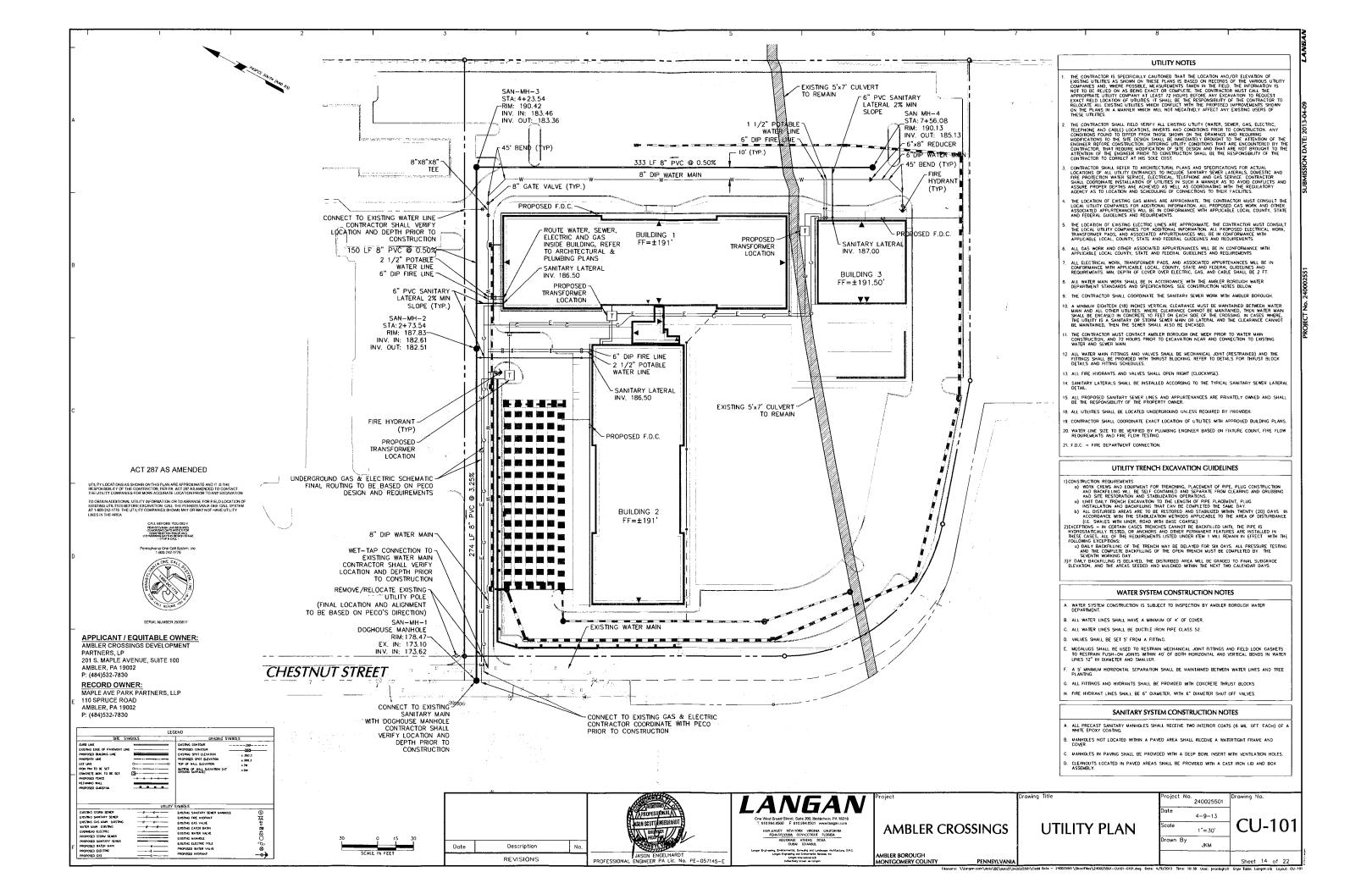
AMBLER BOROUGH

prowing inte	Linject
SOIL EROSION AND	Date
SEDIMENT	Scale
CONTROL DETAILS	Drawn
	ı

	Project No. 24002550	Drawing No.
NID		
ND	Date 4-9-13	
	Scale N.T.S.	CE-502
IIS	Drown By JKM	
LU		

PENNSYLVANIA MONTGOMERY COUNTY

APPENDIX 6 UTILITY CORRIDOR LAYOUT



APPENDIX 7 CLEAN FILL CERTIFICATION

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF WASTE MANAGEMENT

FORM FP-001 - CERTIFICATION OF CLEAN FILL

Prior to completing this form and signing this certification, please review the entire Management of Fill policy (#258-2182-773), including the certification requirements. Please note that historic fill, as defined in the Management of Fill policy, may meet the definition of clean fill if the material is limited to uncontaminated soil, rock, stone, dredged material, used asphalt, and brick, block or concrete from construction and demolition activities that is separate from other waste and recognizable as such.

Instructions: Sections 1 and 2 of this form must be completed by the person making the determination of clean fill at the site of origin. Section 3 must be completed by the person using the material as clean fill. Both the person determining clean fill and the user of the clean fill are responsible for maintaining copies of this completed form on site for a period of five (5) years for Department inspection.

Section 1: Person Determining Clean	Fill		
Name (Print):	Title:		Date:
Company Name:			
Street Address:	City:	State:	Zip Code:
Telephone Number:	E-mail Add	lress:	
Clean Fill Material originated on the fo	ollowing property:		
Site Name:			
Street Address:	City:	State:	Zip Code:
Section 2: Site Characterization			
Check the following that applies:			
A. IF the site of origin for the pursuant to a local state or fe following information along withe material to be used as cle	deral regulatory progra vith a copy of the entire	am that requires site cl	haracterization, provide the
Name of local, state, or federal agency:			
Identification number assigned to the pro	oject:		
Name of the local, state, or federal conta	act person:		
Telephone Number:	E-mail Ad	dress:	
Name of the Laboratory that conducted	the analysis:		
Laboratory Accreditation	n Number:		
B. IF the material proposed to be other procedure identified i Management of Fill policy, pro	in the definition of " ovide or attach the foll	environmental due di owing:	ligence" contained in the
Copies of ALL lab analytical te Fill policy, #258-2182-773).	sting performed as part	of environmental due di	iligence (see Management of
Name of the Laboratory that conducted	the analysis:		
Laboratory Accreditation	n Number:		

		ras subject to environmental due diligence other than those listed in A and B, describe
		.A. §4904) that the information provided in by knowledge, information and belief.
Signature:		
Section 3: Person Receiving o	r Placing Clean Fill	
Name and address of person c	ompleting this form:	
Name (Print):		Date:
		State: Zip Code:
Telephone Number:	E-mail Addre	ess:
Property Address:	truction purposes: City:	placed on the following property solely for State: Zip Code:
		3:
The quantity of clean fill to be	placed on the property is:	
<3,000 cubic yards	☐ 3,000 cubic yards to 20,000 c	cubic yards ☐ >20,000 cubic yards
I, the undersigned, certify undercorrect to the best of my know		904) that the information provided is true and
Signature:		
	* * * *	
provide a copy of this cor the county in which the I	mpleted form and attachmer	e property receiving fill material shall nts to the DEP Regional Office serving a property receives fill from multiple source.

APPENDIX 8 HEALTH & SAFETY PLAN



SITE SPECIFIC HEALTH AND SAFETY PLAN

BAST PROPERTY MAPLE AVENUE AMBLER, PA 19002

RT PROJECT # 70461-09

PREPARED FOR:

AMBLER CROSSING DEVELOPMENT PARTNERS, LP 210 S. MAPLE AVENUE, SUITE 100 AMBLER, PA 19002

SUBMITTED BY:

RT ENVIRONMENTAL SERVICES, INC. 510 HERON DRIVE, SUITE 306 P.O. BOX 521 BRIDGEPORT, NEW JERSEY 08014

FEBRUARY 2013

RT Environmental Services, Inc.

TABLE OF CONTENTS

1. 0	WORI	C DESCRIPTION	1
	1.1	GENERAL HEALTH & SAFETY PRACTICES	1
	1.2	SAFETY RULES & POLICY STATEMENT	6
	1.3	EXCAVATED FILL MANAGEMENT	10
	1.4	SITE CONTROL PROGRAM	10
2.0		NTIAL HAZARDS	
3.0	HAZA	RD ANALYSIS	.12
4.0	LEVE	L OF PROTECTION	13
5.0	MONI	TORING EQUIPMENT	13
6.0	EMER	GENCY CONTACTS	14

TABLES

TABLE 1 - ACKNOWLEDGMENT OF HEALTH & SAFETY PLAN REVIEW

ATTACHMENTS

ATTACHMENT A - HOSPITAL MAP ATTACHMENT B - KEY CONTACTS

1.0 WORK DESCRIPTION

This Site Specific Health and Safety Plan (HASP) has been prepared for remedial investigation (RI) and design activities at the Bast Property located on Maple Avenue in Ambler, Pennsylvania. Site activities include the advancement of soil borings throughout the site. The purpose of this Health & Safety (H&S) Plan is to provide health and safety information for site workers during RI activities.

If other potential environmental, health and/or safety issues are discovered during field activities at the site that are not covered in this HASP, work should cease until the issues are evaluated and incorporated into this HASP, as deemed necessary.

1.1 GENERAL HEALTH & SAFETY PRACTICES

Section A - General

It is the intent of RT to establish and implement a Health and Safety Program for its employees and any subcontractors as part of its commitment to providing safe working conditions in general and at this site particularly. This program conforms with Federal and State Statutes including 29 CFR 1910.120, 40 CFR 265.16, 34 PA Code Chapter 303, 29 CFR 1910.1200.

Section B - RCRA Training and Compliance

(NOT USED)

Section C - OSHA Training and Compliance for Hazardous Waste Operations

In accordance with 29 CFR 1910.120 the following Health and Safety Program shall be in effect at this site, whether they be in the investigative or construction phase.

1) Site Characterization and Analysis

The site has been extensively studied as related to historic operations and disposal of asbestos containing soils. The site is designed by EPA and DEP as an in-active asbestos disposal site. RT has prepared on behalf of the developer the proper notifications to EPA and DEP prior to implementation of the RI investigation field activities (45 day notice). In that notice, we have documented the historic information developed for the site related to the asbestos containing soil in the 0 to 2' below ground surface (bgs), the 2' to 10' bgs and >10' bgs. The RI investigation field activities will consist of installation of soil borings at specific locations throughout the site. Soil generated during the investigation will be returned to the borehole.

A total of twelve borings will be completed for this investigation to evaluate the subsurface conditions at the site. Four borings are proposed in the vicinity of proposed Building 1, four borings in the vicinity of proposed Building 2, one boring in the vicinity of proposed Building 3, one boring in the proposed patio area and two borings in potential retaining wall areas. The borings will be drilled to a depth to adequately characterize the subsurface conditions for various foundation alternatives. An average drill depth of twenty five feet has been assumed for this subsurface investigation. Samples of the soil will be recovered and the Standard Penetration Resistance Test (SPT) values will be recorded at suitable intervals. Groundwater elevations will be recorded at each boring location, together with the date and hour that the measurement was taken. Supervision and monitoring of the test boring operations will be performed by a qualified geotechnical representative. The geotechnical representatives will be on-site full time throughout the field operation to efficiently manage the project scope and to document the field operations. All test borings will be advanced to depths required to adequately analyze the subsurface strata.

Following sample collected, any remaining excavated soils will be used to backfill the test borings.

Between each boring the augers will be washed down to remove particulate matter. The decontamination water will be infiltrated to the ground to prevent the transportation between locations. All vehicles which enter the site will be required to

wash off particulates prior to leaving the property. This decontamination will include at a minimum the tires and wheel wells of the vehicle, but will also include any visible mud/soil from the vehicles.

The activities proposed for this investigation have limited potential to generate dust impacted with asbestos due to the type of drilling to be implemented. However, the following procedures will be implemented to control potential emissions during the work.

- Visual inspection during subsurface investigation work will be completed.
 Should dust be observed during drilling, water will be used to control emissions.
- 2. During drilling activities, care will be taken by the equipment operators to minimize the potential for dust generation during the work. Operators will control dust by reducing speed of vehicles where practical which will minimize the potential for dust generation. Operators will be given a daily briefing from the site superintendent prior to implementation of work on the Site and review procedures to minimize dust generation during drilling activities.
- 3. Air monitoring will be completed during the earth disturbance activities. The inspector will document the prevailing wind direction each day. The inspector will collect up to three air samples each day, an upgradient location (based on wind direction) and two downgradient locations. Air samples will be submitted to EMSL Laboratories for analysis. All air samples will be analyzed via transmission electron microscopy (TEM) via NIOSH method 7402. The TEM method allows for higher resolution and better identification of asbestos fibers. Analytical results will be turned around in 48 hours.

2) Site Controls

A site control program to prevent the spread of soil boring cuttings on-site shall be implemented. Drill cuttings will be place back into the borehole following completion of investigation activities. All personnel protection equipment will be removed.

containerized prior to personnel leaving the site to prevent potential spread of asbestos containing soils.

3) Training

All staff who will be involved with excavation work or sub-surface investigations at this site will have received training prior to working in restricted areas. The training will consist of a review of this Health and Safety Plan, 40-hr HAZWOPER and attend a 2-hour asbestos awareness course.

A review of the HASP each day prior to the start of work will be completed, including the basic concepts of time, distance, contamination control and avoidance, and how to properly handle asbestos contaminated soil.

4) Engineering Controls, Work Practices, PPE

Staff shall be made familiar with and have an understanding of the Engineering Controls, Safe Work Practices, Standard Operation Procedures, and personal protective equipment selection and use, to minimize or reduce personal exposure to permissible levels. The training required to achieve these objectives is included in the HASP. Training requirements shall be reviewed whenever site operations change significantly.

5) Monitoring

Site monitoring will consist of a visual inspection to verify that impacted soil is not being tracked off-site and minimal dust is generated during RI activities. An asbestos inspector will collect 3 air samples each day, an upgradient location (based on wind direction) and two downgradient locations. Air samples will be submitted to EMSL Laboratories for analysis. All air samples will be analyzed via transmission electron microscopy (TEM) via NIOSH method 7402.

6) Information

RT, contractors and subcontractors shall be informed as to the nature of the hazards

present at the work site. Contractors and subcontractors will be responsible to supply their employees with the proper personal protective equipment. No personnel may enter the site without executing the form shown in **Table 1**.

7) <u>Decontamination</u>

Between each boring the augers will be washed down to remove particulate matter. The decontamination water will be infiltrated to the ground to prevent the transportation between locations. All vehicles which enter the site will be required to wash off particulates prior to leaving the property. This decontamination will include at a minimum the tires and wheel wells of the vehicle, but will also include any visible mud/soil from the vehicles.

8) <u>Emergency Response</u>

A plan to deal with emergencies at this site has been developed and incorporated into the site Health and Safety Plan (HASP). The HASP Plan includes all local emergency phone numbers (Police, Fire, Emergency Response, Hospital), safety meetings and plan modification procedures.

A copy of the HASP will be given to all contractors and subcontractors. Those contractors and subcontractors will be responsible for their employee's compliance with the Plans when the employees are assigned to excavation and/or intrusive activities; these personnel will sign off that they have read and understood the Plans (See **Table 1**). The asbestos inspector will monitor contractor and subcontractor conformance routinely.

Contractors and subcontractors will be responsible for their employees' training. Any contractor or subcontractor by receiving the HASP and supplying workers to RT for work site activities thereby certifies that their personnel are in full compliance with all federal, state and local statutes regarding such activities.

1.2 SAFETY RULES AND POLICY STATEMENT

Safe work habits prevent serious injuries that are painful and costly. Keep your mind on the job. Lack of attention is a major cause of accidents, do your part in preventing them by learning, observing and practicing these safety rules and regulations.

- Report all accidents, injuries and unsafe or unsanitary conditions and practices to your supervisor. Supervisors must insure that all injuries are reported immediately, and in turn report them to the Health and Safety Director.
- 2) Whenever working with impacted material, the proper procedures outlined at the site by the supervisor, or specified in the Health and Safety Plan, must be followed.
- 3) Wash hands and clean thoroughly under fingernails before handling food or drink when working with impacted material.
- 4) Do not drink water from any source that has not been designated as "Potable Water".
- 5) Dress safely for the job, otherwise you may be in danger. Do not wear loose clothing. Shirt and long pants are required.
- 6) Watches and bracelets shall not be worn around moving machinery. It is urged that rings be removed to prevent serious injury. Medallions and necklaces must be worn inside clothing.
- 7) All employees are held responsible for the cleanliness of their work areas and are expected to cooperate in maintaining the orderliness of sites and work areas. No food is allowed in the immediate work areas.
- 8) Safety hard hats shall be worn when the extent of the hazard warrants their use. Hard hats areas are identified to employees by respective supervisors. Hard hat use is mandatory during all drilling and test pit (excavation) activities.
- 9) All individuals who work in the field must wear a minimum of coveralls and a dust filtering respirator to protect the site workers from asbestos exposure at all times

when work is in progress.

- 10) All individuals who work in the field must wear safety shoes (steel-toed boots) at all times when work is in progress.
- No employee may enter a confined space or trench greater than four feet deep without a Confined Space work permit. Permits must be in writing and may be issued only by the Health and Safety Director or Director's designee(s). Confined spaces include tanks, pits, manholes, catch basins, piping tunnels, and deep holes. Confined space can be devoid of oxygen and entry without proper precaution can result in death. Entering deep trenches which are not properly shored or supported can result in serious injury or death due to collapse of trench walls. Work permits issued for confined space and trench entry shall contain pre-entry test methods and inspection criteria, as well as safe work practices, during the entry.
- 12) Always use pedestrian walkways when available. Watch out for moving vehicles. Pedestrians have the right-of-way, but not the right to tempt accidents.
 - Individuals moving heavy equipment shall be given the right-of-way and adequate clearance to insure personnel safety in the event of possible mishap.
- Only trained and authorized employees shall be permitted to operate any power vehicle. Passengers may not ride on vehicles unless proper seating is provided.
- Only qualified employees are permitted to repair, enter or operate electrical equipment of any kind.
- 15) Safeguards must be in place before starting equipment. Never remove a guard except for necessary repairs.
- No employee is permitted to operate any piece of machinery or equipment unless authorized by the supervisor of the department.
- Use tools and equipment properly and only for the job they were made to perform.Never use broken or dangerously worn tools or equipment.

- 18) Before using ladders or scaffolding, make sure they are in safe condition and firmly in place. Ladders must be equipped with safety shoes and must be of nonconductive construction. Both hands should be free to go up and down. Use of buckets, pouches, rope, etc. is required for moving materials to the work location on the ladder or scaffold.
- 19) All employees are required to observe regulations pertaining to smoking.
- 20) Welding and burning must be done with proper supervision and fire precautions. No welding or burning may be performed without a written Hot Work permit for areas restricting these activities as designated by the Site Supervisor.

SAFETY POLICY

RT considers its employees and contractors and subcontractors to be its most important asset. The safety of every employee is responsibility of all supervisors, a responsibility for which they are directly accountable.

RT has an obligation to provide safe working conditions, to implement safe work practices, and to prepare employees to work safely.

It is the responsibility of every employee, contractor and subcontractor to follow safe practices, including the use of protective equipment as designated. Adherence to established safe work practices is a condition of employment, and unsafe conduct is cause for discipline.

RT believes that maximum productivity should never be at the expense of personal safety, but instead should result from safe performance.

All employees regardless of level have the responsibility to be aware of health and safety hazards. In the event of a situation where personal injury or death may result, work should safely cease and the Site Supervisor immediately notified.

1.3 EXCAVATED SOILS MANAGEMENT

This HASP assumes that soil from soil borings will be placed back into soil borings onsite upon completion of each soil boring activity. Groundwater is anticipated to be discovered during RI activities; however, is not planned to be managed during the RI field activities.

1.4 Site Control Program

Odor & Gas Control

No odor or gas controls are anticipated to be required; however, if odor or gas is discovered, the RI area should be evacuated and the Health and Safety Director or Director's designee(s) should be immediately notified.

Rodent, Insect, Fire, Dust and Litter Controls

Rodent, insect, fire, dust and litter are not anticipated to be of issue during the RI activities. If warranted, rodent, insect, fire, dust and litter controls may be considered based on field observations of the soil material.

2.0 POTENTIAL HAZARDS

A. Chemical Hazards:

The site is designed by EPA and DEP as an in-active asbestos disposal site. RT has prepared on behalf of the developer the proper notifications to EPA and DEP prior to implementation of the RI investigation field activities (45 day notice). In that notice, we have documented the historic information developed for the site related to the asbestos containing soil in the 0 to 2' below ground surface (bgs), the 2' to 10' bgs and >10' bgs. Additionally, magnesia materials may be encountered in site soils related to historic operations at the site prior to asbestos operations.

B. <u>Physical Hazards:</u>

The excavation activities pose a physical hazard, and also a slip, trip and fall hazard.

The use of excavating equipment poses a physical hazard to workers in the work area. The limited visibility of the equipment operator should be taken into account by all workers near the work area.

Potential noise hazards exist in the work area due to the use of heavy equipment during excavation and drilling work.

3. <u>Biological Hazards:</u>

At the time of the preparation of the Health and Safety Plan, no biological hazards had/have been identified. If biological hazards are identified prior or during the excavation activities, the hazard must be identified in this Health and Safety Plan and each employee working under this Health and Safety Plan must be informed of the hazard.

3.0 HAZARD ANALYSIS

1. Chemical Hazards – Asbestos containing soils; magnesia containing soils

1. Routes of Exposure

Ingestion - from smoking, eating or drinking without washing Inhalation - if high airborne levels (dust) are generated

2. Hazard Elimination

Personnel Protection Equipment will be primary protection. Workers shall be prepared to begin work with Level C protection including:

Hard hats

Long sleeves

Coveralls (disposable tyvek suites)

Gloves (disposable)

Steel tipped safety shoes

Dust filtering respirator

2. Physical Hazards - Slip, Trip and Fall

1. Routes of Exposure

Slip, trip and fall due to the excavation and drilling work and the topography of the Site. Miscellaneous debris and construction equipment may be present around work areas and cause and/or add to any slip, trip and fall hazards.

2. Hazard Elimination

All personnel involved with excavation and/or drilling work shall wear steel tipped safety shoes with sufficient treads and hard hats.

All personnel must use caution around any excavation perimeters during

working hours.

Workers shall also be aware of heavy equipment used in the drilling activities.

3. Physical Hazard - Weather Conditions

1. Routes of Exposure

Working in weather conditions for extended periods

2. Hazard Elimination

All personnel will dress appropriately for work in various weather conditions.

All personnel to be aware of indications of weather hazards (i.e. a sunburn or frostbite)

4.0 LEVEL OF PROTECTION

1. Soil Investigation

Hard hats

Long sleeves

Coveralls (disposable tyvek suites)

Gloves (disposable)

Steel tipped safety shoes

Dust filtering respirator

5.0 MONITORING EQUIPMENT

1. Air Sampling

A Gillian BDX-II abatement air sampler pump will be utilized to collect asbestos air samples. Air samples will be collected at 3 liter per minute (lpm) during the duration

of the drilling each shift. TEM cassette media will be utilized to collect the air samples to submit to an approved laboratory via NIOSH method 7402.

6.0 EMERGENCY CONTACTS

1. <u>Emergency Information</u>:

Dial 911 to report all emergencies

LOCAL HOSPITAL NAME AND ADDRESS:

North Penn Hospital 1 North Street Ambler, PA 19002 215-361-4659

See driving directions provided as Attachment A

NEAREST TELEPHONE: Cellular phones are available.

2. Key Contacts:

Refer to the Key Contacts listed in Attachment B.

ATTACHMENT A
HOSPITAL MAP



Trip to:

1 North St

Ambler, PA 19002-4625
0.96 miles / 3 minutes

Notes

North Penn Hospital 1 North St Ambler, PA 19002 (215) 361-4659

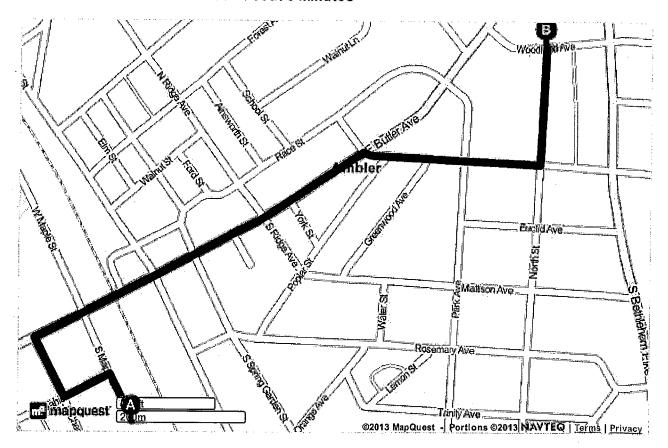
4

298 S Maple St, Ambler, PA 1900240.151371, -75.224335 (Address is approximate)

	(Address is approximate)	
•	1. Start out going northwest on S Maple St toward Wissahickon Ave. Map	0.06 Mi
4	2. Take the 1st left onto Wissahickon Ave. Map	0.06 Mi
•	3. Take the 1st right onto S Chestnut St. Map	0.07 Mi
Þ	4. Turn right onto W Butler Ave. Map	0.4 Mi
7	5. Turn slight right onto Lindenwold Ave. Map	0.2 Mi
4	6. Take the 2nd left onto North St. Map	0.1 Mi
	7.1 NORTH ST is on the right. Map	

1 North St, Ambler, PA 19002-4625

Total Travel Estimate: 0.96 miles - about 3 minutes



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ATTACHMENT B

KEY CONTACTS

KEY CONTACT LIST

SITE NAME: BAST PROPERTY

Onsite Emergency Contact	
Mr. Tony Alessandrini	(484) 680-1389
Alternate Emergency Contact	
Mr. Walter Hungarter	(610) 952-8824
Mr. Glenn Graham	(610) 316-6025
Emergency Response	
Fire / Ambulance / Police:	911
Hospital	
North Penn Hospital	215.361.4650

TABLE 1

ACKNOWLEDGMENT OF HEALTH AND SAFETY PLAN REVIEW

THIS IS TO CONFIRM THAT I HAVE READ AND UNDERSTAND:

Health and Safety Plan for:
Bast Property
Maple Ave
Ambler, PA 19002
February, 2013

DATE	
TIME	
Print Name	
SIGNATURE	
EMPLOYER	