235 East 42nd Street New York, NY 10017-5755



October 19, 2000

Mr. Richard Gardineer, P.E. New York State Department of Environmental Conservation Region 2 Division of Hazardous Waste Remediation 47-40 21 Street Long Island City, New York 11101

Re: Supplemental Final Lingineering Report Organics/Suciae Block Pfizer Inc Brookiyn, New York Voluntary Cleanup Agreement D2-0001-97-02

Dear Mr. Gardineer:

Attached please find the Supplemental Final Engineering Report for the Organics/Suciac Block, Pfizer Inc (Pfizer), New York (Site). This Supplemental Final Engineering Report is being submitted in accordance with the September 1, 1999 Supplemental Investigation Work Plan. This report documents the additional investigation and remediation activities that Pfizer undertook to address the New York State Department of Environmental Conservation's (NYSDEC) concerns regarding potential petroleum issues at the Site. All requested additional work has been completed. No petroleum issues were found in the supplemental work, and one area where base/neutral compounds were found at levels of concern was fully excavated, with the removed soil disposed to approved facilities.

Since all work has been completed, Plizer requests that the NYSDEC provide to Pfizer a "Clean Site Notification" in accordance with the March 27, 1997 Voluntary Cleanup Agreement, Subparagraph I. G.

Please note that Pfizer intends to implement Task 6: Post-Work Plan Monitoring after Pfizer's receipt of the clean site notification as stated in the Supplemental Investigation Work Plan. This task entails quarterly free-product monitoring at the 11 monitoring wells at the Site. If measurable free product is encountered during a monitoring event, Pfizer will notify the NYSDEC of its findings and attempt to remove it using reasonable and appropriate technology. Further, if Pfizer encounters free product during a monitoring event, Pfizer will monitor such well until it is free of measurable free product for three quarters thereafter. We would appreciate your assistance in expediting this matter.

Sincerely,

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John S. Keith Vice President, Environment, Health and Safety Pfizer Global Manufacturing

cc. Mr. Mike Mahoney Mr. Tom Snee – Pfizer, Brooklyn Mr. Scott Glash – Roux Associates

# ORGANICS/SUCIAC BLOCK SUPPLEMENTAL FINAL ENGINEERING REPORT

Pfizer Inc Brooklyn, New York

October 19, 2000

Prepared for:

Pfizer Inc 630 Flushing Avenue Brooklyn, New York 11206

Prepared by:

ROUX ASSOCIATES, INC. 1377 Motor Parkway Islandia, New York 11749

and

**REMEDIAL ENGINEERING, P.C.** 

1377 Motor Parkway Islandia, New York 11749



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#### **1.0 INTRODUCTION**

On behalf of Pfizer Inc (Pfizer), Roux Associates, Inc. (Roux Associates), along with its associated engineering design firm, Remedial Engineering, P.C., have completed the Organics/Suciac Block Supplemental Investigation and Remediation (SIR) at the Pfizer facility in Brooklyn, New York (Site). The SIR was performed in accordance with the September 1, 1999 Supplemental Investigation Work Plan (SI Work Plan) prepared by Roux Associates, and approved by the New York State Department of Environmental Conservation (NYSDEC) in a letter dated September 8, 1999. The SIR was also implemented in accordance with the provisions of the Voluntary Cleanup Agreement (Index No. D2-0001-97-02) dated March 27, 1997 between the NYSDEC and Pfizer.

As stated in the SI Work Plan, "Pfizer has completed the response action required by the Voluntary Cleanup Agreement in compliance with the Work Plan [December 6, 1996], as that term is defined in the Voluntary Cleanup Agreement, and approved design. The NYSDEC has requested that Pfizer address additional petroleum-related issues at the Organics/Suciac Block, and the purpose of this Work Plan is to set forth the supplemental investigation activities that Pfizer will implement in order to respond to the NYSDEC's request." Therefore, this additional work requested by the NYSDEC is considered above and beyond the NYSDEC-approved Work Plan (December 6, 1996) for the Voluntary Cleanup Agreement between the NYSDEC and Pfizer.

To accomplish the SIR objective, the following scope of work tasks were performed:

- Soil Boring and Sampling;
- Monitoring Well Installation;
- Perched Groundwater Sampling;
- Free-Product Gauging; and
- Soil Excavation and Disposal.

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The SIR scope of work and results are provided in this Supplemental Final Engineering Report. Please note that the scope of work and results for the soil boring and sampling, monitoring well installation, perched groundwater sampling, and free-product gauging were previously submitted to the NYSDEC in a letter dated December 6, 1999.

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#### 2.0 BACKGROUND AND SETTING

The Organics/Suciac Block is located in the Williamsburg section of Brooklyn, New York (Figure 1). Gerry Street, Harrison Avenue, and Union Avenue border the Organics/Suciac Block to the south, east, and west, respectively, while Wallabout Street borders the Organics/Suciac Block to the north (Figure 2). The Organics/Suciac Block is situated within a high-density, mixed urban residential/commercial/industrial zone, approximately one mile east-southeast of the East River.

Pfizer has decommissioned the Organics/Suciac Block with the intent to utilize it for future redevelopment and/or beneficial use. As part of the decommissioning process, all Organics/Suciac Block buildings were demolished, with demolition activities being completed in March 1995. Presently, the reinforced-concrete slab foundations are the only aboveground remnant of the former buildings. The concrete slab is continuous throughout the Organics/Suciac Block, and varies in thickness between approximately 0.5 and 1.5 feet (ft). The entire Organics/Suciac Block is surrounded by a 10-ft high chain-link fence.

Pfizer completed the Organics/Suciac Block Interim Remedial Measure (IRM) between June 1997 and September 1997 in accordance with the Voluntary Cleanup Agreement. The results of the IRM were previously submitted to the NYSDEC in a report titled "Final Engineering Report Organics/Suciac Block," dated October 22, 1997. Even though Pfizer had completed all tasks specified in the NYSDEC-approved Work Plan (December 6, 1996), the NYSDEC requested that Pfizer perform activities to address additional petroleum-related issues at the Organics/Suciac Block.

### 3.0 ORGANICS/SUCIAC BLOCK SIR SCOPE OF WORK

The Organics/Suciac Block SIR was commenced on September 27, 1999 and has now been completed. It consisted of the following field tasks:

- Soil Boring and Sampling;
- Monitoring Well Installation;
- Perched Groundwater Sampling;
- Free-Product Gauging; and
- Soil Excavation and Disposal.

The procedures utilized to perform each field task were consistent with the procedures outlined in the NYSDEC-approved Organics/Suciac Block IRM Work Plan (December 6, 1996). A description of each field task is provided below.

# 3.1 Soil Boring and Sampling

A total of six soil borings (OB-5A, OB-13A, OB-15A, OB-22A, OB-23, and OB-24) were sampled using the Geoprobe<sup>TM</sup> method. The soil borings with the 'A' designation were sampled adjacent to the previous soil boring in that area, while those borings without an 'A' designation were located in areas not previously investigated. The locations of the soil borings are shown in Figure 3.

Each sample was inspected for visible evidence of contaminants (e.g., staining and odors), and screened in the field for volatile organic compounds (VOCs) using a photoionization detector (PID). The sample within each boring that exhibited the highest degree of contamination above the perched groundwater or the clay layer was collected for laboratory analysis. The samples were analyzed for base neutral compounds (BNs) using the Toxicity Characteristic Leaching Procedure (TCLP) in accordance with the NYSDEC Spill Technology and Remediation Series (STARS).

As stated in the SI Work Plan, if a sample failed the TCLP test, Pfizer would further delineate and remove these soils. As discussed in Section 4.0, only one of the 11 soil samples collected

and analyzed from the soil borings and monitoring well pilot boreholes (see Section 3.2) failed the TCLP test. The soil sample analyzed from Soil Boring OB-22A (southwestern corner of the Organics/Suciac Block) failed the TCLP test (Figure 3). Therefore, delineation samples were collected at four locations approximately 5 ft radially outward from OB-22A. This process continued until the samples surrounding OB-22A passed the TCLP test. The extent of soil that failed the TCLP test surrounding OB-22A is shown in Figure 3.

#### 3.2 Monitoring Well Installation

A total of five additional monitoring wells (MW-7 through MW-11) were installed using the hollow-stem auger drilling method at the Site. The locations of the monitoring wells are shown in Figure 3. During the drilling of the monitoring well pilot boreholes, soil samples were collected, and inspected as described in Section 3.1. The sample from each pilot borehole that exhibited the highest degree of contamination above the perched groundwater or the clay layer was submitted for laboratory analysis. These samples were analyzed for BNs using the TCLP test in accordance with the NYSDEC STARS.

The monitoring wells installed consisted of 2-inch diameter PVC well casing and screen (10 slot). Each monitoring well was installed on top of the clay layer which was encountered at approximately 10 ft below land surface (bls). The well construction logs are provided in Appendix A. The SI Work Plan stated that well development would not be conducted due to insufficient volume of perched groundwater (in most cases, the perched groundwater, where present, is less than one foot thick) at the Organics/Suciac Block. However, the NYSDEC verbally requested that Pfizer make an attempt to develop the wells regardless of the volume of perched groundwater in each well. Therefore, each well was developed to the extent possible using a Teflon<sup>TM</sup> bailer.

#### 3.3 Perched Groundwater Sampling

Perched groundwater was collected for laboratory analysis from three of the six soil borings (i.e., OB-5A, OB-13A and OB-24) and from the five new monitoring wells (MW-7 through MW-11) and the six existing wells (MW-1 through MW-6) at the Site. Please note that the Work Plan stated that perched groundwater from the 11 monitoring wells would only be sampled if free product was not present (see Section 4.3 for product gauging results). Perched groundwater

was not encountered or an insufficient volume was present in Soil Borings OB-15A, OB-22A and OB-23, which precluded collection of a sample. Perched groundwater was sampled from the soil borings using the Geoprobe<sup>TM</sup> method. Perched groundwater was sampled from the monitoring wells using a Teflon<sup>TM</sup> bailer. Prior to sampling, the new and existing wells were purged (using a Teflon<sup>TM</sup> bailer) to the extent possible since a very little volume of water was present.

The perched groundwater was analyzed for BNs using the United States Environmental Protection Agency (USEPA) Method 8270 (NYSDEC STARS list).

# 3.4 Free-Product Gauging

Free-product gauging was performed in the five new wells (MW-7 through MW-11) and in the six existing wells (MW-1 through MW-6). The gauging was performed on a weekly basis for one month using an electronic product indicator and a bailer. The weekly rounds were conducted on October 10, 1999, October 15, 1999, October 22, 1999, and October 29, 1999. As stated in the SI Work Plan, the free-product gauging would only continue, on a weekly basis, if measurable free-product (where measurable free-product is defined as measurable thickness greater than a sheen) was present (see Section 4.3 for product gauging results).

#### 3.5 Soil Excavation and Offsite Disposal

Based on the results of the delineation soil samples (see Section 4.1), soil excavation and offsite disposal was initiated. As the first step of this program, an excavation contractor removed those portions of the Organics/Suciac Block concrete slab that overlaid the area at OB-22A (Figure 3). The soil that had failed the TCLP test was then excavated. Since the soil within this area was already characterized for disposal, excavated soil was loaded directly into trucks, thereby eliminating the need to stockpile the excavated soil. Roux Associates tracked excavated soil volumes and examined transportation and disposal documents for accuracy and completeness. Additionally, perched groundwater was removed, placed in a holding tank, characterized, and disposed off site.

Upon completion of soil removal activities, the open excavation was backfilled with clean fill material from an off-site source. Following the backfilling of the excavation, the portion of the concrete slab that was removed to permit excavation of soil was restored. Concrete was placed over the backfilled excavation until flush with the existing surrounding slab.

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# 4.0 RESULTS OF THE ORGANICS/SUCIAC BLOCK SIR

This section presents the results of the Organics/Suciac Block SIR, which includes soil quality, perched groundwater quality, free-product gauging, and soil remediation.

#### 4.1 Soil Quality

Underlying the Organics/Suciac Block and Gerry Street is soil consisting of man-made fill material, which is comprised of brown to black medium to coarse sand, with silt and minor amounts of gravel. The fill material also contains varying amounts of bricks, coal-like fragments and concrete. The fill material is underlain by a low permeable clay with occasional silt and sand.

The fill material from the soil borings and monitoring well pilot boreholes was screened in the field using a PID, and the results varied from not detected to greater than 2,000 parts per million (Appendix A). Occasional staining of the fill material was observed and a trace of product (i.e., very tiny droplets) was observed in two samples; i.e., in the pilot boreholes of MW-9 (6 ft to 8 ft bls) and MW-10 (8 ft to 10 ft bls) (Appendix A).

The soil quality results indicate that BNs were not detected in five of the six samples (Soil Borings OB-5A, OB-13A, OB-15A, OB-23, and OB-24) collected at the Site (Table 1). One BN (i.e., naphthalene) was detected at Soil Boring OB-22A at a concentration that exceeds the NYSDEC STARS guidelines (Table 1).

The results of the delineation soil samples surrounding OB-22A indicate that the extent of the BN concentrations that exceed the NYSDEC STARS using the TCLP is limited to the area shown in Figure 3, and to the depth of the clay layer (i.e., a depth of approximately 8 ft to 10 ft bls). This area was excavated as described in Section 4.4.4.5.

Additionally, the soil quality determined from Monitoring Well Pilot Boreholes MW-7 through MW-11, located on or adjacent to Gerry Street, the former Underground Storage Tank (UST) 208, and the former Powerhouse, indicates that BNs were not detected (Table 1).

# 4.2 Perched Groundwater Sampling

The perched groundwater quality results indicate that BNs were not detected in 13 of 14 samples (Soil Borings OB-5A, OB-13A and OB-24 and Monitoring Wells MW-1 through MW-11) (Table 2). Phenanthrene was detected in Monitoring Well MW-2 at a concentration of 24 micrograms per liter ( $\mu$ g/L) (Table 2).

# 4.3 Free-Product Gauging

The newly installed wells (MW-7 through MW-11) and the existing wells (MW-1 through MW-6) were checked for the presence of free-product weekly for one month. No free product, sheens or odors whatsoever were present in any of the monitoring wells during any of the weekly gauging rounds.

# 4.4 Soil Remediation

A description of the soil remediation activities is provided below. The NYSDEC was notified approximately five days prior to the start of remediation activities.

# 4.4.1 Construction Operations

The construction operation tasks performed during the soil remediation activities are identified below, and are described in detail in the following sections:

- Mobilization and demobilization;
- Site preparation;
- Waste classification;
- Shoring;
- Earthwork;
- Dewatering;
- Off-site soil and water transportation, disposal, and tracking;
- Backfilling;
- Equipment decontamination;
- Site restoration;

- Health and safety monitoring; and
- Photographic documentation of construction operations.

#### 4.4.1.1 Mobilization and Demobilization

The personnel, equipment, materials and subcontractors for construction activities were mobilized to the Organics/Suciac Block after the delineation soil sampling was completed and any necessary excavation permits were procured. Roux Associates provided construction oversight for all activities including health and safety monitoring, waste classification, soil and water disposal tracking, and photographic documentation.

Garito Contracting Inc., Yonkers, New York, performed the majority of the construction operation tasks including site preparation, shoring, earthwork, dewatering, backfilling, equipment decontamination and Site restoration.

Capitol Environmental Services, Inc. (Capitol), Westwood, New Jersey, coordinated the disposal for the soil excavated during the SIR activities.

TEV Trucking of Port Newark, New Jersey, provided transportation services for the disposal of the soil containing concentrations of BNs exceeding the NYSDEC STARS. This material was taken to the R3 Technologies, Inc. facility located in Morrisville, Pennsylvania.

#### 4.4.4.2 Site Preparation

The elements of Site preparation included:

- site security;
- surveying services; and
- concrete cover removal.

A brief description of each Site preparation element is provided below.

#### Site Security

The Organics/Suciac Block is surrounded by an existing 10-ft high chain-link fence. Access to and from the Site was provided through the main gate located at the east end of the Organics/Suciac Block on Gerry Street. The access gate located at the west end of the Organics/Suciac Block on Gerry Street was locked at all times preventing access to the Site without proper authorization. During working hours, access was controlled by designated construction personnel. During non-working hours, the access gate was locked and patrolled by Pfizer security.

#### Surveying Services

Prior to excavation activities, all soil borings (OB-22A through OB-22G) that were utilized to delineate the limits of the excavation were surveyed by Sidney B. Bowne, Mineola, New York, a licensed New York State surveyor. Each boring was surveyed to establish their exact location and elevation (using the Brooklyn Datum). During excavation activities, continuing surveying services were provided. These services included measuring the depth of the excavation and confirming that the required depth was achieved.

#### Concrete Cover Removal

Prior to initiating excavation activities, a backhoe was utilized to remove the existing concrete slab (approximately one foot thick) overlying the area to be excavated. The concrete was disposed as construction and demolition (C&D) debris at 110 Sand and Gravel Mine in Melville, New York (see Section 4.4.4.7).

# 4.4.4 Waste Classification

Soil sampling and analysis for waste classification were performed in-situ prior to the implementation of excavation activities. The waste classification results are provided in Appendix B. The results indicate that the soil was classified for disposal as a petroleum-contaminated, nonhazardous material.

#### 4.4.4 Shoring

Since the depth of the excavation surrounding Soil Boring OB-22A was deeper than 4 ft, wood shoring was placed in the excavation along Gerry Street and Union Avenue and a steel shoring box was used inside the excavation to:

- prevent collapse or damage to the adjacent offsite subway entrance;
- prevent collapse or damage to the adjacent ground surface; and
- protect any workers when entering the excavation.

The wood shoring and steel shoring box were removed after the completion of excavation activities. The shoring was designed by Architect Frank LoPresto, P.C., A.I.A., and subsequently approved by the New York City Transit Authority (May 31, 2000). The approved shoring design is provided in Appendix C.

#### 4.4.4.5 Earthwork

The elements of earthwork included soil excavation surrounding Soil Boring OB-22A in the southwestern portion of the Organics/Suciac Block (Figure 3). Excavation proceeded by using a backhoe to remove soil from grade to a minimum depth of 10 ft bls, which was based on the depth to the top of the clay and the soil quality results. As shown in Figure 3, the lateral extent of the excavation was extended beyond the clean samples (that passed the TCLP test) to accommodate the shoring. Additionally, the vertical extent of the excavation was extended up to 2 ft into the clay layer (rather than just to the top of the clay layer, which was generally at 10 ft bls) so that any petroleum-contaminated constituents present on top of the clay were removed. Therefore, the excavation was extended to a depth of approximately 11 ft to 12 ft bls (Figure 3). The clay was then visually inspected, and the results indicated that no staining or odors were present in the clay at the bottom of the excavation.

During the course of the removal activities, the excavation was surveyed to confirm that the required minimum depth of the excavation was achieved. An "As-Built" drawing showing the final vertical and lateral extent of the excavation is shown in Figure 3.

#### 4.4.4.6 Dewatering

Perched groundwater was encountered within the excavation at approximately 9 ft bls. This perched groundwater was pumped directly into an on-site 8,000-gallon capacity holding tank. Approximately 1,500 gallons of water were generated during excavation activities. Prior to disposal, the water was sampled and analyzed for VOCs, semivolatile organic compounds (SVOCs), metals, ignitability, corrosivity, and reactivity. Additionally, no sheens or odors were present in the water.

The analytical results of the water generated through dewatering activities are provided in Appendix B. The results indicated that the perched groundwater was nonhazardous, and the water was subsequently transported to the Clean Water of New York facility in Staten Island, New York.

# 4.4.4.7 Off-Site Soil Transportation, Disposal and Tracking

Excavated soil was transported and disposed in accordance with city, state and federal regulations, consistent with the applicable land disposal requirements. All transporting documents were filled out and field checked for completeness and accuracy by Garito prior to verification by Roux Associates. Prior to loading the soil, each truck was lined with a polyethylene liner bag.

The soil excavated from the Organics/Suciac Block was classified as a petroleum contaminated nonhazardous material, and disposed at the R3 Technologies, Inc. facility in Morrisville, Pennsylvania. The soil was transported by TEV Trucking, Port Newark, New Jersey with field coordination provided by Garito. A total of 420.33 tons of soil were excavated, transported and disposed. The waste tracking summary for the disposal of soil is provided in Appendix D.

The excavated concrete (C & D debris) was disposed at 110 Sand and Gravel Mine in Melville, New York. A total of 17 cubic yards  $(yd^3)$  of concrete was excavated, transported and disposed. The waste tracking summary for the disposal of concrete is provided in Appendix D.

#### 4.4.4.8 Backfilling

After excavating to the desired depth, the final grades of the excavation were surveyed to confirm that the required depth had been achieved. After completion of the surveyed excavation, two 6-mil high density polyethylene liners were placed at the bottom and along the side walls of the excavation. The excavation was backfilled with clean soil from the Waste Management facility in Brooklyn, New York. To confirm that the soil material was clean and suitable for use, the material was sampled and analyzed for VOCs, SVOCs, and Resource Conservation and Recovery Act (RCRA) metals. The analytical results confirmed that the soil was suitable for backfilling purposes (analytical results are provided in Appendix E). The excavation backfill material was compacted using vibratory equipment.

#### 4.4.4.9 Equipment Decontamination

All equipment used during excavation activities (e.g., backhoe) was decontaminated at the completion of the excavation work. A PID was utilized to confirm that decontamination procedures were performed properly. No organic vapors were detected in the ambient air during decontamination.

#### 4.4.4.10 Site Restoration

The backfilled excavation was covered with a minimum of 6 inches of concrete, until the restored surface was flush with the existing surrounding slab.

#### 4.4.4.11 Health and Safety Monitoring

Roux Associates conducted health and safety monitoring during the SIR soil excavation activities, which included both worker and community health and safety monitoring. All monitoring activities were conducted in accordance with the NYSDEC Technical and Administrative Guidance Memorandum (TAGM) #4031 (Fugitive Dust Suppression and Particulate Monitoring Program at Inactive Hazardous Waste Sites) (NYSDEC, 1989), the New York State Department of Health (NYSDOH) Community Air Monitoring Plan (NYSDOH, 1994), Worker Health and Safety Plan included as Appendix H in the Block-Wide Soil Investigation Results and IRM Work Plan, Organics/Suciac Block (Roux Associates, 1997), the Community Health and Safety Plan (Roux Associates, 1996a), and Roux Associates' Standard Operating Procedures (Roux Associates, 1996b). Organic vapor (i.e., VOCs), air particulate and

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. Velada mercury vapor levels were monitored during excavation activities. A brief description of each type of air monitoring is presented below.

Air monitoring for VOCs was conducted by Roux Associates on a continuous basis during excavation activities at three locations: at the downwind and upwind perimeters of the Work Zone and within the Work Zone. Air monitoring equipment was set up at each station (at approximately 4 ft to 5 ft above land surface within the breathing zone), and was monitored in accordance with the Community Health and Safety Plan (CHASP) and the Worker Health and Safety Plan. Prior to monitoring excavation activities each day, background concentrations were measured and recorded.

Organic vapor monitoring was conducted on a continuous basis during excavation activities at three locations: upwind and downwind of the Work Zone and within the Work Zone. The organic vapor monitoring equipment was set up at each station (at approximately 4 ft to 5 ft above land surface within the breathing zone), and was monitored in accordance with the CHASP, while the station located within the Work Zone was monitored in accordance with the Worker Health and Safety Plan. A PID (Photovac Model 2020 as manufactured by Photovac Monitoring Instruments) was used to monitor VOC levels. The maximum VOC concentration for each measurement period was recorded. If organic vapors had been measured at or above 5 parts per million, then work would have been halted and monitoring would have continued under the provisions of the Vapor Emission Response Plan.

Air particulate monitoring was conducted on a continuous basis during excavation activities at three locations: upwind and downwind of the Work Zone and within the Work Zone. The air particulate monitoring equipment was set up at each station (at approximately 4 ft to 5 ft above land surface within the breathing zone), and was monitored in accordance with the CHASP, while the station located within the Work Zone was monitored in accordance with the Worker Health and Safety Plan. A DataRAM<sup>™</sup> particulate monitor (model PDR-1000 miniature real-time aerosol monitor as manufactured by MIE) was used to record air particulate levels. If particulate levels had been measured at or above 0.150 milligrams per cubic meter (mg/m<sup>3</sup>), the

engineering controls applied (i.e., spraying water) to the excavation at that time would have been increased.

Mercury vapor monitoring was conducted on a continuous basis during excavation activities at one location: within the Work Zone. Air monitoring was performed in accordance with the Worker Health and Safety Plan. The mercury vapor analyzer (Jerome Model 431-X as manufactured by Jerome Instruments) was used to measure mercury vapor levels. If the action level of 0.025 mg/m<sup>3</sup> of mercury in ambient air had been exceeded, the engineering controls applied (i.e., spraying water) to the excavation at that time would have been increased.

Results of the air monitoring conducted during SI activities indicate that 59 of the 59 measurement periods (i.e., 100 percent) did not exceed an action level for organic vapors, particulates or mercury vapors (Appendix F).

#### 4.4.4.12 Photographic Documentation of Construction Operations

All key excavation activities performed during the SIR were photographed.

#### 4.5 Operation and Maintenance

There are no post-remediation operation and maintenance requirements associated with the soil remediation (i.e., excavation and dewatering). Additionally, pursuant to Task 6 (Post-Work Plan Monitoring) of the SI Work Plan, quarterly monitoring at the five new wells and the six existing wells will be performed for one year.

# 5.0 ENGINEER'S CERTIFICATION

Roux Associates, along with its associated engineering design firm Remedial Engineering, P.C., have completed this report describing implementation of the SIR at the Organics/Suciac Block, Pfizer Inc, Williamsburg facility, New York. This engineering certification is being submitted to the NYSDEC in accordance with the Voluntary Cleanup Agreement (Index No. D2-0001-97-02) effective March 27, 1997.

Remedial Engineering, P.C. hereby certifies that the SIR was implemented and construction activities were completed in accordance with the intent of the NYSDEC-approved Voluntary Cleanup Agreement effective March 27, 1997, and as described in this document.

Respectfully submitted,

ROUX ASSOCIATES, INC.

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Scott J. Glash, C.P.G. Senior Hydrogeologist/ Project Manager

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Douglas J. Swanson President

REMEDIAL ENGINEERING, P.C. OF NEM Peter T. Gerbasi, P.E. Principal Engineer

#### **6.0 REFERENCES**

New York State Department of Environmental Conservation, 1989. Technical and Administrative Guidance Memorandum #4031, Fugitive Dust Suppression and Particulate Monitoring Program at Inactive Hazardous Waste Sites.

New York State Department of Health, 1994. Community Air Monitoring Plan.

Roux Associates, Inc., 1996a. Community Health and Safety Plan, July 10, 1996.

- Roux Associates, Inc., 1996b. Block-Wide Soil Investigation Results and Interim Remedial Measure Work Plan, Organics/Suciac Block, December 6, 1996.
- Roux Associates, Inc., 1997. Health and Safety Plan, as amended, Appendix H, Block-Wide Soil Investigation Results and Interim Remedial Measure Work Plan, Organics/Suciac Block, May 20, 1997.

TABLES

	Sample Designation: Sample Depth (ft bls): Date Sampled:	OB-5A 4-6 9/27/1999	OB-13A 5-6 9/30/1999	OB-15A 4-6 9/27/1999	OB-22A 6-8 9/27/1999	OB-22B 6-8 10/20/1999
Parameter (Concentrations in µg/L)	NYSDEC STARS Guidelines (µg/L)					
Nanhthalene	0	10 11	101	101	45	33
Acenaphthene	20	10 U	10 U	10 []	12	20 U
Fluorene	50	10 U	10 U	10 U	13	20 U
Phenanthrene	50	10 U	10 U	10 U	30	22
Anthracene	50	10 U	10 U	10 U	10 U	20 U
Fluoranthene	50	20 U	20 U	20 U	20 U	40 U
Pyrene	50	10 U	10 U	10 U	10 U	20 U
Benzo[a]anthracene	0.002	10 U	10 U	10 U	10 U	20 U
Chrysene	0.002	10 U	10 U	10 U	10 U	20 U
Benzo[b]fluoranthene	0.002	10 U	10 U	10 U	10 U	20 U
Benzo[k]fluoranthene	0.002	10 U	10 U	10 U	10 U	20 U
Benzo[a]pyrene	0.002	10 U	10 U	10 U	10 U	20 U
Indeno[1,2,3-cd]pyrene	0.002	10 U	10 U	10 U	10 U	20 U
Dibenzo[a,h]anthracene	50	10 U	10 U	10 U	10 U	20 U
Benzo[g,h,i]perylene	0.002	10 11	10 11	10 11	10.11	11 00

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 $\mu g/L$  - Micrograms per liter ft bls - Feet below land surface

U - Indicates compound analyzed for but not detected
 NYSDEC - New York State Department of Environmental Conservation
 STARS - Spill Technology and Remediation Series
 Bold - Data highlighted in bold represent detections that exceed the NYSDEC STARS guidelines

ROUX ASSOCIATES, INC.

	Sample Designation: Sample Depth (ft bls): Date Sampled:	OB-22C 6-8 10/20/1999	OB-22D 6-8 10/20/1999	OB-22E 6-8 10/20/1999	OB-22F 6-8 11/2/1999	OB-22G 6-8 11/2/1999
Darameter	NYSDEC STARS Guidelines					
Concentrations in µg/L)	(Hg/L)					
Naphthalene	10	100	20 U	20 U	20 U	20 U
Acenaphthene	20	58	20 U	20 U	20 U	20 U
Fluorene	50	59	20 U	20 U	20 U	20 U
Phenanthrene	50	120	20 U	20 U	20 U	20 U
Anthracene	50	30	20 U	20 U	20 U	20 U
Fluoranthene	50	40 U	40 U	40 U	40 U	40 U
Pyrene	50	24	20 U	20 U	20 U	20 U
Benzo[a]anthracene	0.002	20 U	20 U	20 U	20 U	20 U
Chrysene	0.002	20 U	20 U	20 U	20 U	20 U
Benzo[b]fluoranthene	0.002	20 U	20 U	20 U	20 U	20 U
Benzo[k]fluoranthene	0.002	20 U	20 U	20 U	20 U	20 U
Benzo[a]pyrene	0.002	20 U	20 U	20 U	20 U	20 U
Indeno[1,2,3-cd]pyrene	0.002	20 U	20 U	20 U	20 U	20 U
Dibenzo[a,h]anthracene	50	20 U	20 U	20 U	20 U	20 U
Benzolg.h.ilpervlene	0.002	11 00	20.11	20.11	20.11	11 00

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μg/L - Micrograms per liter ft bls - Feet below land surface

U - Indicates compound analyzed for but not detected NYSDEC - New York State Department of Environmental Conservation STARS - Spill Technology and Remediation Series

**Bold** - Data highlighted in bold represent detections that exceed the NYSDEC STARS guidelines

ROUX ASSOCIATES, INC.

	Sample Designation: Sample Depth (ft bls):	0B-23 2-4	0B-24 5-7	MW-7 2-4	MW-8 4-6	MW-9 4-6
	Date Sampled: NYSDEC	9/27/1999	9/27/1999	9/30/1999	6661/0£/6	9/30/1999
Parameter (Concentrations in μg/L)	Guidelines (µg/L)					
Naphthalene	10	10 U	10 U	10 U	10 U	10 U
Acenaphthene	20	10 U	10 U	10 U	10 U	10 U
Fluorene	50	10 U	10 U	10 U	10 U	10 U
Phenanthrene	50	10 U	10 U	10 U	10 U	10 U
Anthracene	50	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50	20 U	20 U	20 U	20 U	20 U
Pyrene	50	10 U	10 U	10 U	10 U	10 U
Benzo[a]anthracene	0.002	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002	10 U	10 U	10 U	10 U	10 U
Benzo[b]fluoranthene	0.002	10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002	10 U	10 U	10 U	10 U	10 U
Benzo[a]pyrene	0.002	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	0.002	10 U	10 U	10 U	10 U	10 U
Dibenzo[a,h]anthracene	50	10 U	10 U	10 U	10 U	10 U
Benzo[g,h,i]perylene	0.002	10 U	10 U	10 U	10 U	10 U

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ROUX ASSOCIATES, INC.

U - Indicates compound analyzed for but not detected NYSDEC - New York State Department of Environmental Conservation STARS - Spill Technology and Remediation Series

 $\mu g/L$  - Micrograms per liter ft bls - Feet below land surface

**Bold** - Data highlighted in bold represent detections that exceed the NYSDEC STARS guidelines

3 of 4

	Sample Designation: Sample Depth (ft bls): Date Sampled:	MW-10 2-4 9/30/1999	MW-11 4-6 9/30/1999	
Parameter (Concentrations in µg/L)	NYSDEC STARS Guidelines (µg/L)			
Naphthalene	10	10 U	10 U	
Acenaphthene	20	10 U	10 U	
Fluorene	50	10 U	10 U	
Phenanthrene	50	10 U	10 U	
Anthracene	50	10 U	10 U	
Fluoranthene	50	20 U	20 U	
Pyrene	50	10 U	10 U	
Benzo[a]anthracene	0.002	10 U	10 U	
Chrysene	0.002	10 U	10 U	
Benzo[b]fluoranthene	0.002	10 U	10 U	
Benzo[k]fluoranthene	0.002	10 U	10 U	
Benzo[a]pyrene	0.002	10 U	10 U	
Indeno[1,2,3-cd]pyrene	0.002	10 U	10 U	
Dibenzo[a,h]anthracene	50	10 U	10 U	
Benzo[g,h,i]perylene	0.002	10 U	10 U	

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µg/L - Micrograms per liter
ft bls - Feet below land surface
U - Indicates compound analyzed for but not detected
NYSDEC - New York State Department of Environmental Conservation
STARS - Spill Technology and Remediation Series
Bold - Data highlighted in bold represent detections that exceed
the NYSDEC STARS guidelines

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1/5/1999 **MW-6** 11/5/1999 10.6 U MW-5 11/5/1999 10 U MW-4 1/5/1999 MW-3 11/5/1999 MW-2 11/5/1999 I-WM Sample Designation: Date Sampled: (Concentrations in µg/L) Indeno[1,2,3-cd]pyrene Dibenzo[a,h]anthracene Benzo[k]fluoranthene Benzo[b]fluoranthene Parameter Benzo[g,h,i]perylene Benzo[a]anthracene Benzo[a]pyrene Acenaphthene Phenanthrene Fluoranthene Naphthalene Anthracene Chrysene Fluorene Pyrene

μg/L - Micrograms per liter

U - Indicates compound analyzed for but not detected

ROUX ASSOCIATES, INC.

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Table 2. Summary of Base Neutral Compounds Detected in Perched Ground Water, Organics/Suciac Block, Pfizer Inc, Brooklyn, New York

11/5/1999 MW-10 10 U 11/5/1999 10.6 U 21.2 U 10.6 U 6-WM 11/5/1999 
 10 U

 10 U
 **MW-8** 11/5/1999 **MW-7R** 11/5/1999 7-WM Date Sampled: Sample Designation: (Concentrations in µg/L) Dibenzo[a,h]anthracene Indeno[1,2,3-cd]pyrene Benzo[b]fluoranthene Benzo[k]fluoranthene Parameter Benzo[g,h,i]perylene Benzo[a]anthracene Benzo[a]pyrene Acenaphthene Phenanthrene Fluoranthene Naphthalene Anthracene Chrysene Fluorene Pyrene

μg/L - Micrograms per liter

U - Indicates compound analyzed for but not detect

ROUX ASSOCIATES, INC.

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Table 2. Summary of Base Neutral Compounds Detected in Perched Ground Water, Organics/Suciac Block, Pfizer Inc, Brooklyn, New York

**OB-24** 

**OB-13A** 

**OB-5A** 

II-WM

Sample Designation:

	Date Sampled:	11/5/1999	9/27/1999	9/30/1999	9/30/1999	
Parameter (Concentrations in µg/L)						
Naphthalene		10.9 U	11.6 U	10 U	10 U	
Acenaphthene		10.9 U	11.6 U	10 U	10 U	
Fluorene		10.9 U	11.6 U	10 U	10 U	
Phenanthrene		10.9 U	11.6 U	10 U	10 U	
Anthracene		10.9 U	11.6 U	10 U	10 U	
Fluoranthene		21.8 U	23.2 U	20 U	20 U	
Pyrene		10.9 U	11.6 U	10 U	10 U	
Benzo[a]anthracene		10.9 U	11.6 U	10 U	10 U	
Chrysene		10.9 U	11.6 U	10 U	10 U	
Benzo[b]fluoranthene		10.9 U	11.6 U	10 U	10 U	
Benzo[k]fluoranthene		10.9 U	11.6 U	10 U	10 U	
Benzofalpyrene		10.9 U	11.6 U	10 U	10 U	
Indeno[1,2,3-cd]pyrene		10.9 U	11.6 U	10 U	10 U	
Dibenzo[a,h]anthracene		10.9 U	11.6 U	10 U	10 U	
Benzo[g,h,i]perylene		10.9 U	11.6 U	10 U	10 U	

 $\mu g/L$  - Micrograms per liter U - Indicates compound analyzed for but not detect

# FIGURES






ATTACHMENTS

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APPENDIX A

# APPENDIX A

Soil Boring and Well Construction Logs

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<sup>o</sup> age <b>1</b> c	of <b>1</b>	SC	DIL BORING LOG				
WELL NO.		NORTHING	EASTING				
PROJECT NO./N	A AME						-
04744Y02 / P	fizer Inc		Organics/Suciac Block				
		LOGGED BY	Brooklyn New York				
DRILLING CONT	RACTOR/DRILL	LER	GEOGRAPHIC AREA				
<u>ADT / Marty</u>			Organics/Suciac Block				
DRILL BIT DIAME	ETER/TYPE	BOREHOLE DIAMETER	Geoprobe 5400 / Geoprobe	2" Macro	Core	9/27/99-9/27/99	
LAND SURFACE		DEPTH TO WATER	BACKFILL	2 1110010	00.0		
(FT.)		(Feet BLS)	Bentonite			(1)	
Depth, feet	Graphic Log	Vis	sual Description	Blow Counts per 6"	PiD Values (ppm)	REMARKS	
	- HAAA	Brown fine to medium SAN	ND, trace Silt, little pieces of brick and gravel;		2000+	1 foot of concrete.	
	ttt	Slightly Moist (Fill)			2000.		
	HHH	-					
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4	HHH	Brown fine to medium SA!	ND, trace brick and gravel: Moist (Fill)			Sample from 4-6 ft for RNs	s
	PTT -		,		2000+	NYSDEC STARS TCLP.	•
	Ettt						
5	HH	-					-
	HTT						
	Ett						
6	HHH	-			1		
-7 -	HTT	Brown fine to medium SAI	ND, trace coal-like material; Moist to Wet (Fill)		2000+	Perched water encountered	d.
	Ett				2000+	Perched water sample collected for BNs NYSDEC	:
_	HH	-			II.	STARS LIST analysis.	
1 -	FTTT						
	bttt						
	HHH	-					
8_	ppp	Plack and groop grov OL A	V: Maist to Day				
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NELL NO.	15Δ	NORTHING	EASTING			
PROJECT NO./	NAME		LOCATION			
4744Y02/	Pfizer Inc	-,	Organics/Suciac Block			
PPROVED BY	(	LOGGED BY	Desiden New York			
S. Glash		N. Gorelick	GEOGRAPHIC AREA			
			Organics/Suciac Block			
DRILL BIT DIAN	METER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING	METHOD	START-FINISH DATE
2 inch / Driv	ve Sampler	2-inches	Geoprobe 5400 / Geoprobe	2" Macro	-Core	9/27/99-9/27/99
AND SURFAC	EELEVATION	DEPTH TO WATER	BACKFILL			
(FT.)		(Feet BLS)	Bentonite			
				Blow	PID	
epth, feet	Graphic Log	Vi	sual Description	Counts per 6"	Values (ppm)	REMARKS
	- HHH	Brown fine to medium SA	ND, trace Silt; Slightly Moist (Fill)		154	6 inches of concrete.
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	fttt	4				
	ppp	]				
2	ffff	4				
3	Ettt					
	HTT HTT					
	Kttt	4				
٨		]				
7-		Brown fine to medium SA	ND, little Silt, trace Clay, trace tiny shiny chips.			
	HTT	trace tiny pieces coal-like	material; Very Moist (Fill)		2000+	
	KAAA	4				
5	pm pm	]				
<u> </u>	fttt					
	<u>Ettt</u>	1			T	
	HTT					
6	Ffff					
	PTT PTT	]				Sample from 6-8 feet for BNs
	fttt	4				INTSDEC STARS TCLP.
	ptt	1				
7	HHH					
	Ett	1				
	HHI					
•	Ettt	1				
8	proc	No recovery - piece of Gr	rev-oreen Clay in Macro Core			
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ROUX ASSOCIATES, INC. Environmental Consulting & Management

Page 1	of 1	S	OIL BORING LOG			
WELL NO.	424	NORTHING	EASTING			
PROJECT NO.	IJA /NAME		LOCATION			
<u>04744Y02 /</u>	Pfizer Inc		Organics/Suciac Block			
APPROVED BY S Glash	Y	N. Gorelick	Brooklyn, New York			
DRILLING CON	TRACTOR/DRILL	ER	GEOGRAPHIC AREA			
ADT / Chris	Stratton	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING I	NETHOD	START-FINISH DATE
4 inch /		6-inches	Mobile Drill B-61 / HSA	2" Macro	-Core	9/30/99-9/30/99
LAND SURFAC	E ELEVATION	DEPTH TO WATER	BACKFILL			
	I	(1001020)				
Depth,	Graphic	Vis	sual Description	Blow Counts	PID Values	REMARKS
	<u> </u>	Concrete pad		per 6"	(ppm)	4 ft. of concrete
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5		Brown to grey medium to	coarse SAND, some Silt, little gravel; Moist (Fill)	)		Sample from 5-6 ft bls. for
	Fff		<u> </u>		102	BNs NYSDEC STARS TCLP.
	AAA	]				
6_	HHH				Ţ	
	HHH HHH	1				Perched water encountered. Perched water sample
	boot -					collected for BNs NYSDEC
-	bbbb	1				STARS.
<u> </u>		Grey medium to coarse S	AND, large pieces of coal-like material; Very Mo	pist		
	bbb	(Fill)			77.9	
	AAA	]				
8_	HH H	1			Ţ	
	HHH	1			1	
	bttt	1				
_	Ett	}				
้ล_	) ////	Black CLAY; Very Moist				
		1				
						Bottom of Borehole.



VELL INU. OB-22A ROJECT NO./NAME 4744Y02 / Pfizer PPROVED BY . Glash RILLING CONTRACT( . DT / Marty . RILL BIT DIAMETER/ . Inch / Drive San AND SURFACE ELEV. (FT.) 	Inc OR/DRILLE TYPE E ATION E Graphic Log	LOGGED BY N. Gorelick R BOREHOLE DIAMETER 2-inches DEPTH TO WATER (Feet BLS) V i s u Brown medium to coarse SAN (Fill)	LOCATION Organics/Suciac Block Brooklyn, New York GEOGRAPHIC AREA Organics/Suciac Block DRILLING EQUIPMENT/METHOD Geoprobe 5400 / Geoprobe BACKFILL Bentonite a   D e s c r i p t i o n ID, pieces of rock and brick; Slightly Moist	SAMPLING I 2" Macro Blow Counts per 6"	METHOD - <b>Core</b> Values (ppm)	START-FINISH DATE 9/27/99-9/27/99 REMARKS
ROJECT NO./NAME 4744Y02 / Pfizer PPROVED BY Glash RILLING CONTRACT( <u>NDT / Marty</u> IRILL BIT DIAMETER/ IND SURFACE ELEV. (FT.) 1 1 2	Inc OR/DRILLE TYPE E ATION E Graphic Log	LOGGED BY N. Gorelick R BOREHOLE DIAMETER 2-inches DEPTH TO WATER (Feet BLS) V i s u Brown medium to coarse SAN (Fill)	LOCATION Organics/Suciac Block Brooklyn, New York GEOGRAPHIC AREA Organics/Suciac Block DRILLING EQUIPMENT/METHOD Geoprobe 5400 / Geoprobe BACKFILL Bentonite a   D e s c r i p t i o n ID, pieces of rock and brick; Slightly Moist	SAMPLING I 2" Macro Blow Counts per 6"	VETHOD - <b>Core</b> Values (ppm)	START-FINISH DATE 9/27/99-9/27/99 REMARKS
4744Y02 / Pfizer PPROVED BY Glash RILLING CONTRACTI DT / Marty RILL BIT DIAMETER/ inch / Drive San AND SURFACE ELEV. FT.) 	Inc OR/DRILLE TYPE E ATION C Graphic Log	LOGGED BY N. Gorelick R BOREHOLE DIAMETER 2-inches DEPTH TO WATER (Feet BLS) V i s u Brown medium to coarse SAN (Fill)	a I D e s c r i p t i o n	SAMPLING I 2" Macro Blow Counts per 6"	VETHOD -Core PID Values (ppm)	START-FINISH DATE 9/27/99-9/27/99 REMARKS
PPROVED BY Glash RILLING CONTRACT DT / Marty ILL BIT DIAMETER/ ING / Drive San AND SURFACE ELEV 	Graphic Log	I LOGGED BY N. Gorelick R SOREHOLE DIAMETER 2-inches DEPTH TO WATER (Feet BLS) V i s u Brown medium to coarse SAN (Fill)	Brooklyn, New York GEOGRAPHIC AREA Organics/Suciac Block DRILLING EQUIPMENT/METHOD Geoprobe 5400 / Geoprobe BACKFILL Bentonite	SAMPLING I 2" Macro Blow Counts per 6"	VETHOD -Core PID Values (ppm)	START-FINISH DATE 9/27/99-9/27/99 8/27/99-9/27/99
ILLING CONTRACT RILLING CONTRACT ILL BIT DIAMETER/ Inch / Drive San AND SURFACE ELEV FT.)	Graphic Log	IN. GOPEIICK ER BOREHOLE DIAMETER 2-inches DEPTH TO WATER (Feet BLS) V i s u Brown medium to coarse SAN (Fill)	a I D e s c r i p t i o n ID, pieces of rock and brick; Slightly Moist	SAMPLING I 2" Macro Blow Counts per 6"	VETHOD -Core PID Values (ppm)	START-FINISH DATE 9/27/99-9/27/99 8/27/99-9/27/99
Inch / Marty Inch / Drive San AND SURFACE ELEV. FT.) Popth. Popth	Graphic Log	BOREHOLE DIAMETER 2-inches DEPTH TO WATER (Feet BLS) V i s u Brown medium to coarse SAN (Fill)	Organics/Suciac Block DRILLING EQUIPMENT/METHOD Geoprobe 5400 / Geoprobe BACKFILL Bentonite	SAMPLING I 2" Macro Blow Counts per 6"	PID Values (ppm)	START-FINISH DATE 9/27/99-9/27/99 9/27/99-9/27/99
Prill BIT DIAMETER/ Princh / Drive San AND SURFACE ELEV (FT.) Poth.	Graphic Log	BOREHOLE DIAMETER 2-inches DEPTH TO WATER (Feet BLS) V i s u Brown medium to coarse SAN (Fill)	DRILLING EQUIPMENT/METHOD Geoprobe 5400 / Geoprobe BACKFILL Bentonite a   D e s c r i p t i o n ID, pieces of rock and brick; Slightly Moist	Blow Counts per 6"	PID Values (ppm)	START-FINISH DATE 9/27/99-9/27/99 9/27/99-9/27/99
2 inch / Drive San AND SURFACE ELEV (FT.) apth. apth. apt 1_	Graphic Log	2-inches DEPTH TO WATER (Feet BLS) V i s u Brown medium to coarse SAN (Fill)	Geoprobe 5400 / Geoprobe BACKFILL Bentonite a   D e s c r i p t i o n ID, pieces of rock and brick; Slightly Moist	Blow Counts per 6"	PID Values (ppm)	9/27/99-9/27/99 REMARKS
AND SURFACE ELEV (FT.)  apth, aeet  1_ 2_	Graphic Log	DEPTH TO WATER (Feet BLS) V i s u Brown medium to coarse SAN (Fill)	BACKFILL Bentonite a I D e s c r i p t i o n ID, pieces of rock and brick; Slightly Moist	Blow Counts per 6"	PID Values (ppm)	REMARKS
(FT.)	Graphic Log	(Feet BLS) V is u Brown medium to coarse SAN (Fill)	Bentonite a ID escription ID, pieces of rock and brick; Slightly Moist	Blow Counts per 6"	PID Values (ppm)	REMARKS
2	Graphic Log	V i s u Brown medium to coarse SAN (Fill)	a IDescription ID, pieces of rock and brick; Slightly Moist	Blow Counts per 6"	PID Values (ppm)	REMARKS
2		Brown medium to coarse SAN (Fill)	ID, pieces of rock and brick; Slightly Moist	per 6"	(ppm)	
1		(Fill)	ID, pieces of rock and brick; Slightly Moist			
1		(,)			1800	6 inches of concrete.
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r -	HH					
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F	++++					
-	TTT	Brown fine to coarse SAND, s	ome crushed brick and gravel, large pieces o	f	2000+	
F	++++	coal-like material, trace white	Clay; Moist (Fill)		2000+	
Ē	$\pi\pi$					
<u>;</u>	++++					
Ł	ttt				<b>T</b>	
F	HH				I	
F	ttt				1	
- E	$\pi\pi$				11	
F	++++				11	Sample from 6-8 ft. collected
E	TTT					TCLP.
, F	HH					
- F	ttt					
F	HH					
F	++++					
, t	m					
-		Gray fine to medium SAND, li	ttle Silt; Wet (Fill)			Perched water encountered.
F	HH				895	
ł	1111					
, F	HH					
-	7///	Green-grey CLAY; Dry				
Y,	////					
E	////					
	///A				11	
Ľ	[]]]				1	
Į.	////					
Y,	$///\lambda$					
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2	$\square \square$			1		
						Bottom of Borehole.



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ROUX ASSOCIATES, INC. Environmental Consulting & Management

Page <b>1</b>	of <b>1</b>	SC	IL BORING LOG				
WELL NO.	-22B	NORTHING	EASTING				
PROJECT NC	D./NAME		LOCATION				
04744Y02	/ Pfizer Inc	LOGGED BY					
S. Glash		N. Gorelick	Brooklyn, New York				
DRILLING CC	NTRACTOR/DRILL	ER Deter <b>Berne</b> k	GEOGRAPHIC AREA				
DRILL BIT DIA	AMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING	METHOD	START-FINISH DATE	-
2 inch / Dr	ive Sampler	2-inches	Geoprobe 5400 / Geoprobe	2" Macro	-Core	10/20/99-10/20/99	· . · · · ·
(FT.)	CE ELEVATION	(Feet BLS)	Bentonite				
	· · · · · · · · · · · · · · · · · · ·						
Depth. feet	Graphic Log	Vis	ual Description	Biow Counts per 6''	PID Values (ppm)	REMARKS	
<u> </u>		Brown medium SAND and o	coal material, large pieces of brick and rock (Fill)	);		1 inch of concrete.	
	HH H H H H	Moist			0		
	boot 1						
	HAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA						
_1_	AAA						1
	HHH HHH						
	b b b b b b b b b b b b b b b b b b b				T I		
	HTT				[		
2	HHH						2
	AAA						
	bott						
	the						
	HHH						2
3_	HH H						5
	htt:						
	HH						
4	- <del>PAT</del>	Brown modium SAND and I	briek large sizes reak little cost material little				4
	H H H	white Clay; @ 8 ft. bls is bla	ack Sandy Silt with trace white clay; Moist (Fill)		0		
	bott						
	HH						
5	AAA						5
	HHH HHH	1					
	HTT						
	both						
	HHH	4			<b>I</b>		
6	AAA					Sample collected from 6-8	6
	HTT HTT	1				feet for BNs NYSDEC STARS	;
	b b b b b b b b b b b b b b b b b b b						
	H+++	4					
7.	HHH HHH	1					?
	HTT HTT	1					
	b b b b b b b b b b b b b b b b b b b	1					
	ffff	4					
9	HHH						0
Ø	htt	1	······································			Bottom of Borehole	8



1377 Motor Parkway Islandia, New York 11749 (631) 232-2600 (631) 232-9898

VELL NO.	•	NORTHING	EASTING			
OB-220	C		LOCATION		· <u> </u>	
4744Y02 / Pf	fizer Inc		Organics/Suciac Block			
PPROVED BY	-	LOGGED BY				
. Glash	A OTOD (DDU L	N. Gorelick	Brooklyn, New York			<u> </u>
	tes inc / E	eter Barzack	Organics/Suciac Block			
RILL BIT DIAME	TER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING	METHOD	START-FINISH DATE
inch / Drive	Sampler	2-inches	Geoprobe 5400 / Geoprobe	2" Macro	-Core	10/20/99-10/20/99
AND SURFACE	ELEVATION	DEPTH TO WATER	BACKFILL			
FT.)		(Feet BLS)	Bentonite			
ipth,	Graphic	Vis	ual Description	Blow Counts	PID Values	REMARKS
		Drown with oronge modius	SAND and applimaterial brick and rock: Maist	per 6"	(ppm)	1 inch of concrete
	boot t	(Fill)	n SAND and coal material, brick and rock; Moist		n	i mun or concrete.
	ffff					
	bott	1				
	HH					
_	boot-			[		
	HH					
	the					
	HHH	4				
	the	1				
	HHH	1				
	tttt	1				
	HH	]				
	ttt+	1				
	HHH					
	Ett+					
-	HHH HHH					
	tttt	4				
	PHH PHH					
	Ettt	4				
	HHH HHH	1				
-	fttt	Brown with orange medium	n SAND and SILT little brick and rock little			
	HTT	pieces of wood material; @	<ul> <li>B ft. bls is black. Clay, trace green-grey clay;</li> </ul>		0	
	ffff	Moist (Fill)				
	tttt	1				
	fttt	4				
	HTT	1				
	ffff	{				
	HTT	1				
	ffff	4				
	HTT HTT	1				
-	ffff					
	HTT	1				Sample collected from 6-8
	ffff					reet for BNS NYSDEC STAI
	TTT -					· · · ·
	HHH	4				
	tttt					
-	ffff					
	both 1					
	HHT					
	tttt	1				
	HHH.					
		J		1		
		<u> </u>				Bottom of Borehole.

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1377 Motor Parkway Islandia, New York 11749 (631) 232-2600 (631) 232-9898

VELLING OB-220 Product 100/PMAG Product 100/P	Page 1 of	1	SO	IL BORING LOG			
Provest for Share provide the Share Decay (2) (Figs Inc. Decay	WELL NO.		NORTHING	EASTING			
defraction and a second s	PROJECT NO./NAM	ME		LOCATION			
S. Giash     N. Gorelick     Brooklyn, New York       BOULKING CONTRACTURE     CEORAMICALEA     CEORAMICALEAEA       Caular Diversampler     Scenarbischer Status     Ceoranics/Suciae Block       Caular Diversampler     Scenarbischer Status     Direction Status       Zinch / Drive Sampler     Ceoranics/Suciae Block       Carry Contract Electron     Status     Status       (F1)     (Feet BLS)     Bentonite	04744Y02 / Pfi:	zer Inc	LOGGED BY				
Baltung ContractOrexpetiteR Rev Associates, Inc. / Peter Barzack Disclar During Exerning Disclar During Exerning Disclar During Exerning Disclar During Exerning Disclar During Exerning Disclar During Exerning Disclar During Exerning Exerning Disclar During Exerning Exerning Disclar During Exerning Exerning Disclar During Exerning Exerning Disclar During Exerning Exerning Disclar During Exerning Disclar During Exerning Exerning Disclar During Exerning Exerning Disclar During Exerning Disclar During Exerning Exerning Disclar During Exerning Disclar During Exerning Disclar During Disclar During Exerning Disclar During Exerning Disclar During Exerning Disclar During Disclar During Exerning Disclar During Disclar During Exerning Disclar During Disclar During Discl	S. Glash		N. Gorelick	Brooklyn, New York			
DitList From Dublic Ender Shifter     DitList Ender Shifter<	DRILLING CONTRA	ACTOR/DRILL	ER Poter Barzack	GEOGRAPHIC AREA Organics/Suciac Block			
2 Inch / Drive Sampler         2-Inches         Geoprobe 540 / Geoprobe (2* Macro-Core         10/20/99-10/20/99           Jack / Lob Sum / Cell         Provide Sampler         Provide Sampler         Provide Sampler         Provide Sampler           Jack / Lob Sum / Cell         Cell         Denomite         Back / Lob         Provide Sampler         Provide Sampler           Jack / Lob Sum / Cell         Lob Sum / Cell         Lob Sum / Cell         Provide Sampler         Provide Sampler           Jack / Lob Sum / Cell         Lob Sum / Cell         Lob Sum / Cell         Provide Sampler         Provide Sampler           Jack / Lob Sum / Cell         Lob Sum / Cell         Lob Sum / Cell         Provide Sampler         Provide Sampler           Jack / Lob Sum / Cell         Lob Sum / Cell         Lob Sum / Cell         Provide Sampler         Provide Sampler           Jack / Lob Sum / Cell         Lob Sum / Cell         Lob Sum / Cell         Lob Sampler         Provide Sampler           Jack / Lob Sum / Cell         Lob Sampler         Lob Sampler         Lob Sampler         Provide Sampler         Provide Sampler           Jack / Lob Sampler         Lob Sampler         Lob Sampler         Lob Sampler         Lob Sampler         Provide Sampler         Provide Sampler           Jack / Lob Sampler         Lob Sampler         Lob Samp	DRILL BIT DIAMET	ER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING	METHOD	START-FINISH DATE
Image: Transmission of the control	2 inch / Drive S	Sampler	2-inches	Geoprobe 5400 / Geoprobe	2" Macro	-Core	10/20/99-10/20/99
Steph     Converting of the second seco	(FT.)		(Feet BLS)	Bentonite			
Deprint Here     Oragin: Log     Visual Description     Box Carefor     PD Support       1     Seven medium SAND and brick, rock and scal material, trace block stained:     1     0     1       2     Seven medium SAND and brick, rock and scal material, trace block stained:     0     1     0       3     Seven medium SAND and brick, rock, and scal material, trace block stained:     0     0     1       4     Seven to orange medium SAND and brick, rock, coal, thile white Clay, @ 6     0     0       5     Server to orange medium SAND and brick, rock, coal, thile white Clay, @ 6     0     0       5     Sample coalected from 6-8     9       6     Sample coalected from 6-8     9       7     Sample coalected from 6-8     9       8     Sample coalected from 6-8     9       9							
Brown maxim 3AND and brok, rook and coal material, trace black stained     0     1 inch of concrete.       3.     9     9     9       9.     9     9	Depth, feet	Graphic Log	Visu	al Description	Blow Counts per 6''	PID Values (ppm)	REMARKS
1.     3       2.     3       3.     Brown to orange medium SAND and brick, rock, coal, little white Clay, @ 8       4.     Brown to orange medium SAND and brick, rock, coal, little white Clay, @ 8       5.     9       6.     5       7.     5       8.     5       9.     5 <td< td=""><td></td><td>- BBB</td><td>Brown medium SAND and b sand; Moist (Fill)</td><td>rick, rock and coal material, trace black stained</td><td></td><td>0</td><td>1 inch of concrete.</td></td<>		- BBB	Brown medium SAND and b sand; Moist (Fill)	rick, rock and coal material, trace black stained		0	1 inch of concrete.
1.     Image: Set of the state		btt					
1.     <		HTT -					
2. 2 3. 3 4. Brown to orange medium SAND and brick, rock, coal, latte white Clay, @ 8 7. bit life black sitty sand, Most (Fill) 9. 5 8. 5 8. 5 8. 5 8. 5 8. 5 9. 5 9. 5 9. 5 9. 5 9. 6 9. 7 9. 7 9. 7 10.	1	HH					
2. 3. 3 3. 3 4. 5 5. 5 5. 5 5. 5 7. 7 8. 5 8. 7 8.		HHH					
2. 2 3. 3 4. Brown to orange medium SAND and brick, rock, coal, little white Clay, @ 8 5. 5 9. 5 8. 5 8. 5 8. 5 8. 5 8. 5 9. 6 8. 5 9. 7 8. 5 8. 5		HHH	1			<b> </b>	
2. 3 3. Brown to orange medium SAND and brick, rock, coal, little white Clay, @ 8 4. Brown to orange medium SAND and brick, rock, coal, little white Clay, @ 8 5. Sample collected from 6.8 7. Sample collected from 6.8 7. To be invision of Borehole.		HH					
A.     Bown to orange medium SAND and brick, rock, coal, little white Clay, @ 8     0       A.     Bown to orange medium SAND and brick, rock, coal, little white Clay, @ 8     0       5     .     .       6.     .     .       7.     .     .       8     .     .       Bottom of Borehole.     .	2	b b b b b b b b b b b b b b b b b b b					
3.     Brown to orange medium SAND and brick, rock, coal, little white Clay, @ 8     0       4.     Brown to orange medium SAND and brick, rock, coal, little white Clay, @ 8     0       5.     5       8.     5       9.     5       9.     5       9.     6       8.     6       9.     7.       8.     7       8.     8		Htt					
3.     3.       4.     Brown to orange medium SAND and brick, rock, coal, little white Clay, @ 8       5.     0       6.     5       9.     5       8.     6       8.     6       8.     6       8.     6       8.     6       8.     6       8.     6       9.     6       9.     6       9.     6       9.     6       9.     7       8.     6       9.     6       9.     7       9.     6       9.     6       9.     7       9.     7       9.     8       9.     8       9.     8       9.     9       9.     9       9.     9       9.     9       9.     9       9.     9       9.     9       9.     9       9.     9       9.     9       9.     9       9.     9       9.     9       9.     9       9.     9       9.     9		HH					
3. Brown to orange medium SAND and brick, rock, coal, little white Clay, @ 8 4. Brown to orange medium SAND and brick, rock, coal, little white Clay, @ 8 5. 5 9. 5 9. 5 7. 6 8 Bottom of Borehole, and a state of the state		HHH					
3. 4. Brown to orange medium SAND and brick, rock, coal, little white Clay, @ 8 1. bis little black sity sand, Moist (Fill) 5. 6. 7. 7. 8. 8. Bottom of Borehole. Bottom of Borehole.		HHH					
A.     Brown to orange medium SAND and brick, rock, coal, little white Clay, @ 8     0     0       5     5     5       9.     5     5       7.     5     5       8     6     6	3_	HH					
4.     Brown to orange medium SAND and brick, rock, coal, little white Clay, @ 8     0     0       5.     5.     5.     5.       9.     5.     5.     5.       7.     7.     7.   Bottom of Borehole.		bbb					
4.     Brown to orange medium SAND and brick, rock, coal, little white Clay, @ 8     0     0       5.     5.     0     5.       9.     5.     5.       7.     5.     5.       8.     6.     8.		H+++					
4.       Brown to orange medium SAND and brick, rock, coal, little white Clay, @ 8       0       0       5         5.		HHH HHH					
Brown to orange medium SAND and brick, rock, coal, little white Clay, @ 8       0         5	4	HH H					
5 5 5 9. Sample collected from 5-8 feet for BNNYSDEC STARS TCLP. 7. 7 8 Bottom of Borehole.		HH -	Brown to orange medium SA ft. bis little black silty sand; M	ND and brick, rock, coal, little white Clay, @ 8 foist (Fill)		0	
5		HTT				Ŭ	
5		HH					
6. 7. 8 Bottom of Borehole. Bottom of Borehole.	5	HHH					
6. 7. 8 Bottom of Borehole. 6. 5 Sample collected from 6.8 feet for BNS NYSDEC STARS TCLP. 7 8 Bottom of Borehole.		HHH					-
6. Sample collected from 6-8 feet for BNS NYSDEC STARS TCLP. 7. 8 8 Bottom of Borehole.		HH+					
6. Sample collected from 6-B feet for BNs NYSDEC STARS TCLP. 7. 8 8 Bottom of Borehole.		HTT					
Sample collected from 6-8 feet for BNs NYSDEC STARS TCLP. 7. 8 Bottom of Borehole.	6	bbb					
7.     Feet for BNs NYSDEC STARS       8     TCLP.       8     Bottom of Borehole.		HHH					Sample collected from 6-8
7. Bottom of Borehole.		H+++					feet for BNs NYSDEC STARS TCLP.
7. 7 8 Bottom of Borehole.		HH					
7.     7.       8     8       Bottom of Borehole.	_	HHH					
8 Bottom of Borehole.	- 7-	HTT	Ì				
8 Bottom of Borehole.		HHH	1				
8 Bottom of Borehole.		HHH					
8 DDDD Bottom of Borehole.		HH					
Bottom of Borehole.	8	m	]				
						l	Bottom of Borehole.

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1377 Motor Parkway Islandia, New York 11749 (631) 232-2600 (631) 232-9898

Page 1	of <b>1</b>	SC	DIL BORING LOG				
WELL NO.	аг	NORTHING	EASTING				
PROJECT NO./N	ZE NAME		LOCATION				
04744Y02 / F	Pfizer Inc		Organics/Suciac Block				
S. Glash		N. Gorelick	Brooklyn, New York				
DRILLING CONT	TRACTOR/DRIL	ER Potor Barzack	GEOGRAPHIC AREA				
DRILL BIT DIAM	IETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING	METHOD	START-FINISH DATE	
2 inch / Drive	e Sampler	2-inches	Geoprobe 5400 / Geoprobe	2" Macro	-Core	10/20/99-10/20/99	
(FT.)		(Feet BLS)	Bentonite			****	
Depth, feet	Graphic Log	Vis	ual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS	
	FFFF	Brown medium SAND and I	brick, rock, pieces of coal material; Wet (Fill)			I inch of concrete.	
	HHH				0		
	HHH						
4	HH						1
!-	HHH						2.
	HTT						
	H H						
_	HH						2
2_	HHH						£.
	HHH						
	HHH						
	HHH						_
3							3.
	HH -						
	boot t						
	b b b b b b b b b b b b b b b b b b b						
4.	HH+	Brown medium SAND and I	brick, rock, trace white Clay; @ 8 ft, bis is black				4.
	AAA	Silt and Sand; Moist (Fill)			0		
	HHH						
	HHH						
5	HHH						
	HHH						
	HHH						
	HHH						
6	HH					Sample collected from 6-8	6
	HH				f	eet for BNs NYSDEC STARS	5
	HHH	1					
	HTT						
. 7.	HH+						<u>7</u> .
	HH						
	AH						
	HHH						
8	TTT -	]					8
					E	sonom of Borehole.	

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WELL NO.						
OB	-22F		EASTING			
PROJECT NO	D./NAME		LOCATION			
04744Y02	/ Pfizer Inc					
S. Glash		N. Gorelick	Brooklyn, New York			
DRILLING CC	NTRACTOR/DRILL	ER	GEOGRAPHIC AREA			
Roux Asse	ociates, Inc. / F	Rob Tweeddale		SAMPLING	METHOD	START-FINISH DATE
2 inch / Dr	ive Sampler	2-inches	Geoprobe 5400 / Geoprobe	2" Macro	-Core	11/2/99-11/2/99
LAND SURFA	CE ELEVATION	DEPTH TO WATER	BACKFILL			
(FT.)		(Feet BLS)	Bentonite			
Depth,	Graphic	Vie		Blow	PID Values	REMARKS
feet	Log	V I S		per 6"	(ppm)	
	b b b b b b b b b b b b b b b b b b b	rock and clay; Dry (Fill)	um SAND, bricks, crushed rocks, trace white		0	inches of concrete.
	Ett					
	PTTT					
1	HTT HTT					
1-	Ett					
	HHH HHH					
	btt				<b>[</b>	
	HHH	4			<b> </b>	
2	ETT					
<u>-</u> -	ttt					
	PTTT PTTT	]				
	HHH					
3						
	RAAA					
	HTT HTT					
	HHH					
4						
	H+++	Brown medium SAND and	Brick, rocks, then trace white clay, @ 8 ft bls			
	HTT	grey to black stained clay;	WOSL (FIII)	1	0	
	Ett					
	ATA					
5	TTT TTT	1				
	Ffff					
	PTT					
	bttt				<b>I</b>	
	ffff					
6_	HTT HTT	1				Sample collected from 6-9
	Ett				fe fe	eet for BNs NYSDEC STARS
	HH				т  I	CLP,
7	F+++	4				
<u> </u>	PTT PTT	1				
	Ettt					
	HH	-				
		1				
8	ffff	4				
		N	· · · · · · · · · · · · · · · · · · ·		E	Bottom of borehole.



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VELL NO.						
OB-33C	1	NORTHING	EASTING			
PROJECT NO./NAM	и ИЕ		LOCATION			······································
4744Y02 / Pfiz	zer Inc		Organics/Suciac Block			
PPROVED BY		LOGGED BY				
6. Glash	0700/000	N. Gorelick	Brooklyn, New York			
	on Inc / P	er ob Tweeddale	Organics/Suciac Block			
RILL BIT DIAMET	ER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING	METHOD	START-FINISH DATE
inch / Drive S	Sampler	2-inches	Geoprobe 5400 / Geoprobe	2" Macro	-Core	11/2/99-11/2/99
AND SURFACE EI	LEVATION	DEPTH TO WATER	BACKFILL			
<u>FI.)</u>		(Feet BLS)	Bentonite		<b>.</b>	
	Graphic			Blow	PID	
et	Log	Vis	ual Description	Counts per 6"	Values (ppm)	REMARKS
	FAA	Brown medium SAND, little	rocks; Slightly Moist (Fill)		0	
	HHH HHH					
	Htt					
	AAA					
-	ttt					
	AAA					
	Ett				II I	
	PTT PTT					-
-	Ett					
	PHH PHH					
	Ett				1	
	ATT					
-	ffff					
	PTT PTT					
	ffff					
	ppp ppp					
_	the second					
	tttt	Brick, very litte medium san	id (Fill)		2	
	PTT -					
	Ett					
	PHT PHT					
	HHH					Ê
	ATT					
	ttt					
	AAA				<b>I</b>	
-	bitt					Sample from 6-8 feet bis fo
	HHH					BNs NYSDEC STARS TCL
	btt					
	HH					
-	ttt					
	HHH					
	TTT TTT					
	fttt					
-	<b>H</b>	BRICK COAL and GRAVE	trace Clav at 10 feet (Fill)	-		At 8 feet his nerched water
	PTTT PTTT		-,		0	was encountered.
	ttt					
	ATT				1	
-	Ett				<b>!</b>	
	ATT					
	ffff					
	HHH HHH					
0	Htt					
Ų						Dettern of Decebala
0						Bottom of Borenoie.

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1	50	IL BURING LUG				
	NORTHING	EASTING				
E		LOCATION				
er Inc		Organics/Suciac Block				
		Brooklyn, New York				
CTOR/DRILL	ER	GEOGRAPHIC AREA				
			SAMPLING	METHOD	START-FINISH DATE	
ampler	2-inches	Geoprobe 5400 / Geoprobe	2" Macro	-Core	9/27/99-9/27/99	
EVATION	DEPTH TO WATER	BACKFILL				
	(Feet BLS)	Bentonite				
Graphic Log	Vis	ual Description	Blow Counts	PID Values (nom)	REMARKS	
1	Clean SAND, previous back	(fill: Dry (Fill)		(ppm)	3 inches of concrete.	
				0.0		
				I		
				1		
				!		
					Sample from 2-4 ft. for BNs NYSDEC STARS TCLP.	
				l.		
	Clean SAND, previous back	(fill; Dry (Fill)		0.0		
				Ţ		
				1		
					1	
	1					
11111	Green-grev CLAY: Wet to F				Perched water encountered	
¥////		~ ,		0.0		
$\langle / / / / / / / / / / / / / / / / / / /$	1					
	1					
	1			I		
<i>\////</i>						
X////					Clay is dry.	
<i>\////</i>	1					
V////						
	1					
	1					
\$////						
	·				Bottom of Borehole.	
	E er Inc CTOR/DRILL R/TYPE ampler EVATION Graphic Log	NORTHING         E         er Inc         LOGGED BY         N. Gorelick         CTOR/DRILLER         BOREHOLE DIAMETER         ampler         2-inches         EVATION         DEPTH TO WATER         (Feet BLS)    Clean SAND, previous back          Clean SAND, previous back    Clean SAND, previous back          Green-grey CLAY; Wet to D	NORTHING         EASTING           er Inc         LOGATION Organics/Suciac Block           I.OGGED BY N. Gorelick         Brooklyn, New York GEOGRAPHIC AREA Organics/Suciac Block           CTOR/DRILLER         DREHOLE DIAMETER           DREHOLE DIAMETER         DRILLING EQUIPMENT/METHOD Reported Suciac Block           Graphic Log         Visual Description           Craphic Log         Visual Description           Craphic Log         Clean SAND, previous backfill, Dry (Fill)           Clean SAND, previous backfill, Dry (Fill)           Clean SAND, previous backfill, Dry (Fill)           Green-grey CLAY. Wet to Dry	NORTHING     EASTING       E     LOGGED BY       IN. Gorelick     Brooklyn, New York       CTOR/DRULER     GECORRAPHIC REA       OTganics/Suciac Block     Drganics/Suciac Block       Zinches     Organics/Suciac Block       Brooklyn, New York     Gecorprobe 5400 / Geoprobe       Zinches     Gecorpobe 5400 / Geoprobe       Zinches     Geoprobe 5400 / Geoprobe       Clean SAND, previous backfil; Dry (Fil)	NORTHING         EASTING           Er Inc         DCGATION           TORDIC         Brocklyn, New York           CTORIDRULER         GEOGRAPHIC AREA           Organics/Suciac Block         Organics/Suciac Block           ER/TYPE         BOREHOLE DIAMETER           PLATORN         DEPENDLE DIAMETER           Charlow Education         Geographic Capacity (Geographic Capacity (Geogra	NORTHING       EASTING         E       DOCATION         OUCATION       Organics/suciac Block         LOCATEON       Brooklyn, New York         CCORDINLER       Organics/suciac Block         Dispective       Dispective         Anothes       Organics/suciac Block         Dispective       Dispective         Anothes       Organics/suciac Block         Dispective       Dispective         Corport       Dispective         Corport       Dispective         Corport       Corport         Corport       Dispective         Corport       Visual Description         Corport       PID         Corport       Visual Description         Corport       Corport         Corport       Sample from 2-4 ft. for Elves         NYSDEC START ToLP       Organics drop         Oreen grey CLAY. Wet to Dry



			FASTING			
	-24	NORTHING	EASTING			
ROJECT NO	./NAME		LOCATION			
4744Y02 /	Pfizer Inc	······································	Organics/Suciac Block			
PPROVED B	Υ	LOGGED BY	Breaktin New York			
5. Glash		N. Gorelick	GEOGRAPHIC AREA			
	NIRACIOR/DRILL		Organics/Suciac Block			
RILL BIT DIA	METER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING N	METHOD	START-FINISH DATE
inch / Dri	ive Sampler	2-inches	Geoprobe 5400 / Geoprobe	2" Macro-	-Core	9/27/99-9/27/99
AND SURFA	CE ELEVATION	DEPTH TO WATER	BACKFILL			
(FT.)		(Feet BLS)	Bentonite			
				Blow	PID	ALL ALL IN A MARKET
epth,	Graphic	Vis	ual Description	Counts	Values	REMARKS
	<u>k-4.4.4</u>	Links Deciman	CAND little arrival of 2.5.4 dank hanve-	per 6"	(ppm)	2 inchas of esperate
	Ett	Light Brown medium to coa sand, trace coal-like materi	arse SAND, little gravel, at 3.5 ft. dark brown al: Dry (Fill)		2000+	s incres of concrete.
	FTTT					
	fttt	4				
i		1				
	ffff					
	ttt					
_	both				1	
2_	HHH				]	
	fttt					
	<u>pttt</u>	1				
_	HHT					
3_	Kttt	•				
	ELEE					
	HIII					
	Kttt	•				
4	ttt	Danua madi di C				
	ffff	Brown medium to coarse S	AND, coal-like pieces and rock tragements, little		185	
	ELEL	, gravel, little brick; vvet (Fill)				
	HHH	l				
5	fttt	•				
	LTTT	1			T	Sample from 5-7 ft. for BNs
	HHH				T i	NI SDEC STARS TULP.
	ffff	•			•	
<u>3</u>		1			1	
	ffff	4				
	Ettt	1				
	TTTT	]				
7_	fttt	4				Deerbad water and the
	ETE	1				Perched water encountered
	HIII					collected for BNs NYSDEC
-	Kttt	1				STARS TCLP.
Β_		Black Clove come Sile 4	a rean arey day: Maist to Day			
		DIACK Clay, some Slit, trace	green-grey clay; moist to Dry		0.0	
	\////	1				
	///</td <td></td> <td></td> <td></td> <td></td> <td></td>					
÷						
	V////	1				
	///</td <td></td> <td></td> <td></td> <td><b>I</b></td> <td></td>				<b>I</b>	
	/////	1			1	
0		1				
	///</td <td>4</td> <td></td> <td></td> <td></td> <td></td>	4				
	/////	1			II.	
11_						
	/////	1				
	V////	1				
17	1////	1				l,
12						Bottom of Borehole



Page <b>1</b> of	1	V	<b>NELL CO</b>	NSTRUC	TION LOG				
WELL NO.		NORTHING	· · · · · · · · · · · · · · · · · · ·	EASTING					
PROJECT NO./NAM	IE			LOCATION					•
04744Y02 / Pfiz	er Inc			_Organics/S	iuciac Block				
APPROVED BY		LOGGED BY		Brooklyn	New York				
DRILLING CONTRAC	CTOR/DRIL	LER	<u>/n</u>	GEOGRAPHIC	CAREA				
ADT / Chris Stra	atton		METER	Organics/S	Suciac Block	CAMPLING	METHOD		
DRILL BIT DIAMETE	ER/TYPE	6-inches	AMETER		II B-61 / HSA	2" Split	Spoon	9/29/99-9/29/99	
CASING MAT./DIA.		SCREEN:							
PVC / 2-inch	CBC	TYPE SIO	tted MA		TOTAL LENGTH 5	5.0 D	IA. 2-INCH	SLOT SIZE 20-SIOT	
(FT.)	GRU	JUND SURFACE		ELE CASING		(LEN		#2 Sand Pack	
Flush Mount	i	Lockin	g Plug			Blow	PID		
Depth, feet			Graphic Log	Visual	Description	Counts	Values	REMARKS	
				Grev fine to medi	im SAND, concrete and	per 6	(ppm)	3 inches of concrete	
Ľ.		CEI	MENI	gravel; Slightly Mo	bist (Fill)		0	o menes or concrete.	
1_			RAAA						1
			ATT						
		- bentonite							
2			both						2
-			ffff	Grey fine to coars little brick trace of	e SAND, some gravel, pal-like fragments:		0	Sample from 2-4 ft bls. for BNs NYSDEC STARS TO P	2
			ATT	Slightly to Very M	oist (Fill)				•
3			HTT H						3
			HTT -						-
			HHH						
			HTT -						4
4_		#2 sand	pack	Grey coarse SAN	D, some brick, rock			Perched water encountered.	. 7
	••••	····	ffff	fragments and gra	avel; Wet (Fill)		0		
			ATT						
5									_5
			beech						
			ATT						
6_			that -	Crow modium to a	oarso SAND little grave				6
			ATT -	and coal-like frage	ments; Moist (Fill)	•	0		
7_			fort						7
			ATT .						
		perforate							
8_			bitt						8
			HTT -	Grey coarse SAN brick and coal-like	D and GRAVEL, some fragments: Verv Moist		0		
			HHH	(Fill)					
9			ATT						9
			RAA	No recovery due t	o large piece of wood,				
			ATT	trace of ciay at it					
10									1(
		<u></u>							
11									4.
. 14									ī.
12								Bottom of Borehole	12



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. Nik ROUX ASSOCIATES, INC. Environmental Consulting & Management

Page <b>1</b> of <b>1</b>	WE	LL CO	NSTRU	CTION LOG			
WELL NO.	NORTHING		EASTING				
PROJECT NO./NAME	l		LOCATION				
04744Y02 / Pfizer	Inc		Organics	/Suciac Block			
APPROVED BY	LOGGED BY		Brooklyn	New York			
S. GIASH DRILLING CONTRACTO	DR/DRILLER		GEOGRAPH	IIC AREA	<u></u>		
ADT / Chris Stratte	on		Organics	/Suciac Block			
DRILL BIT DIAMETER/T	YPE BOREHOLE DIAME	TER			2" Sampling M	ETHOD	1 START-FINISH DATE
4 INCH / CASING MAT /DIA	SCREEN		WODIIe D		2 Spin Sp		5125155-5125155
PVC / 2-inch	TYPE Slotted	MAT	T. PVC	TOTAL LENGTH 5	.0 DIA.	2-inch	SLOT SIZE 20-SIOT
ELEVATION OF:	GROUND SURFACE	TOP OF WE	LL CASING	TOP & BOTTOM SCR	EEN GV	V SURFAC	E GRAVEL PACK
(FT.) Elush Mounts	<locking plu<="" td=""><td>0</td><td></td><td></td><td></td><td>·····</td><td>#2 Sand Pack</td></locking>	0				·····	#2 Sand Pack
)enth	Cooking the	Graphic			Blow	PID	DEM OKO
feet		Log	Visual	Description	Counts per 6"	Values (ppm)	REMARKS
	CEMEN		CONCRETE, lit	le medium to coarse Sand,			6 inches of concrete.
		ffff ti	race coal-like fr	agments; DRY (Fill)		0	
		FTTT					
1							
		HHH					
	- bentonite	HTT					
2		HAA					
		HAAA :	Grey coarse SA	ND and SILT, little brick		0	
			race coal-like fr	agments; Moist (Fill)			
2		Ett.					
<u>.</u>		HHH.					
•							
		Freed					
4	#2 sand pack	m		ND and SILT little brick			Comple from 4 C ft, ble for
		FILL I	ragments, little	gravel, trace white Clay,		0	BNs NYSDEC STARS TCLF
		ffff ti	race coal-like fr	agments; Moist (Fill)			
5		FTTT .					
		ffff					
e **		HHH.					
D		Litte	Grey coarse SA	ND and SILT, little brick		-	
••		free f	ragments, little	gravel, trace white Clay,		0	
•••		HATT "	Tace coar-like II	agments, worst (rm)			
7.							Perched water encountered
:		ffff					reiched water encountered.
:	perforated pip	HHH.					
8		that .					
		boot fi	Grey coarse SA ragments and S	ND, trace of rock SILT, trace of Clay at 10		0	
••		free f	eet bls.; Moist (	Fill)			
9		HTT -					
		HTTT					
••••		HHH					
10		HTTT					
10	• • • • • • • • • • • •	<u></u>			-		Bottom of Borehole
11_							
12							
<u>.</u>					I		



1377 Motor Parkway Islandia, New York 11749 (631) 232-2600 (631) 232-9898

Page 1 of 1	W	ELL CO	NSTRUCTION LOG			. <u></u>
WELL NO.	NORTHING		EASTING			
PROJECT NO./NAME	l		LOCATION Organics/Suciac Block			
APPROVED BY	LOGGED BY					
S. Glash	N. Gorelick		Brooklyn, New York			
DRILLING CONTRACTOR	/DRILLER		GEOGRAPHIC AREA			
ADT / Chris Stratton				SAMPLINC	METHOD	START-FINISH DATE
tinch /	6-inches		Mobile Drill B-61 / HSA	2" Split	Spoon	9/30/99-9/30/99
CASING MAT./DIA.	SCREEN:					
PVC / 2-inch	TYPE Slott	ed MA	T. PVC TOTAL LENGTH	5.0 C	NA. 2-inch	SLOT SIZE 20-Slot
ELEVATION OF:	GROUND SURFACE	TOP OF WE	LL CASING TOP & BOTTOM SC	REEN	GW SURFAC	E   GRAVEL PACK
(FT.)	<locking< td=""><td>Plug</td><td>/</td><td></td><td></td><td>#2 Sand Pack</td></locking<>	Plug	/			#2 Sand Pack
	LOCKING	Graphic		Blow	PID	
feet		Log	Visual Description	Counts	Values (nom.)	REMARKS
			Brown medium SAND little gravel and			3 inches of concrete
<u>~</u>	CEME		brick; Dry (Fill)		120	Sinches of concrete.
		HHH	-			
1		FFFF			!	
		DTTT				
		ATT				
	- bentonite	KAAAA				
				ł		
-			Orange brown medium to coarse SAND.			
		ATT :	some Silt, some brick and gravel; Moist		117	
		fttt	(Fill)	1		
3		HHH				
•••		ETT -				
		HAA				
		tttt				
*	#2 sand pa		Brown coarse SAND, some Silt, trace brid	ck		Sample from 4-6 ft bis for
		HII!	and gravel; Moist (Fill)	-	103	BNs NYSDEC STARS TCLP
		ttt				
		FTTT				
5		ffff				-
		HTTT -				
		ffff				
		boot 1				
6		HHH				
· · ·		HAAT.	Grey and black CLAYEY SAND, pieces o	ıf		Trace product gobules.
		KAAAA '	wood; Very Moist (Fill)		428	Perched water encountered.
		TTTT -				
		Ffff				
7						
		HHH				
	and sand p	ack				
в		tttt				
-		RAR	Black SAND, trace wood pieces, trace			
		pttt !	Gravel, Clay at 10 feet; WET (Fill)		214	
		HHH				ł
		KAAAA				
<u>y</u>		TTTT -				
		ffff				
		PTTT				
		HHH				
10		Kttt				
						Bottom of Borehole.

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Page 1 of 1	W	ELL CO	NSTRUG	CTION LOG				
WELL NO.	NORTHING		EASTING					
PROJECT NO./NAME			LOCATION	Suciae Bleek				
04744Y02 / Pfizer Inc			Organics/	Suciac Block				
S. Glash	N. Gorelick		Brooklyn,	New York				
DRILLING CONTRACTOR/	DRILLER		GEOGRAPH					
ADT / Chris Stratton		TER	Organics/	SUCIAC BIOCK	SAMPLING N	THOD	START-FINISH DATE	
4 inch /	6-inches		Mobile Dr	ill B-61 / HSA	2" Split S	poon	9/30/99-9/30/99	
CASING MAT./DIA.	SCREEN:	-l		FOR LEWORK F		2 inch	al of alter 20 Slot	
PVC / 2-inch	GROUND SURFACE	D MA	LL CASING	TOTAL LENGTH 3 TOP & BOTTOM SCR	REEN G	. <b>2-INCN</b> N SURFACI	E GRAVEL PACK	
FT.)				<u> </u>			#2 Sand Pack	
Flush Mount	Locking Pl	ug			Blow	PID		
epth, feet		Graphic Log	Visual	Description	Counts	Values	REMARKS	
			Grev medium to	coarse SAND little	pero		3 inches of asphalt	
		THAT !	asphalt, little gra	vel; Slightly Moist (Fill)		2000+	o mones or asphan.	
		boot 1						
		fift						
'		ATT						
		tttt						
	<ul> <li>bentonite</li> </ul>	HHH						
,		HHH						
-		HHH-	Dark grey mediu	m to coarse SAND, little			Sample from 2-4 ft bis for	
		tttt	gravel, trace asp	halt; Slightly Moist (Fill)		1785	BNs NYSDEC STARS TCLF	4
		FFFF						
	••••	Prode						
	••••	HHH.						
	••••	boot 1						
• • • • • • • • •	••••	HHH						
-	#2 sand pack	RAR	Grey to black me	dium to coarse SAND and	t	70.0	Perched water encountered	
			SILI, trace grave	el; Moist to vvet (Fill)		73.8		
		Ett.						
	• • • • • • • •	HHH						
		HTT						
		ELECT						
• • • • • • • • • •		HHH						
~		put -	Grev medium to					
		HTT	green-grey CLA	(, trace gravel; Moist (Fill)		102		
		HTTT						
		HHH						
		HHH						
		tttt						
	perforated pip	efffff						
		TTTT .						
-			Black SAND and	Silt, some Brick, trace			Trace product globules.	
		Ett.	Asphalt, Clay at	10 feet; WET (Fill)		1783	. •	
		AAA						
		tttt						
-		HHH						
		HHH				876		
		HTT -						
		HHH				V .		
	· · · ·	_ · · · · · · · · · · · · · ·			· · · · ·		Bottom of Borehole.	
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			<u></u>	
		Organics/Suciac Block		
LOGGED BY		_ 5		
N. Gorelick		Brooklyn, New York		
LER				
BOREHOLE DIAME	TER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
6-inches		Mobile Drill B-61 / HSA	2" Split Spoon	9/29/99-9/29/99
TYPE Slotter	н ма	TOTAL LENGTH 5	.0 DIA. 2-inch	SLOT SIZE 20-Slot
OUND SURFACE	TOP OF WE	LL CASING TOP & BOTTOM SCR	REEN GW SURFAC	CE GRAVEL PACK
		/		#2 Sand Pack
Locking Pit	Jg Graphic		Blow PID	
$\leq$	Log	Visual Description	Counts Values per6" (ppm)	REMARKS
		Drange brown and grey medium to coarse		3 inches of concrete.
	Hit :	SAND, little Silt, trace gravel; Moist (Fill)	102	
	ATT .			
	HHH			
	ATT			
- bentonite	boot 1			
	ffff			
	RAH .	Drange brown SILTY SAND, trace gravel;	99.0	
	PATA .			
	P++++			
	HHH.			
	ffff			
#2 sand pack	AMA.	lo Recovery		
	FATT .		none	
	bttt			
	ATT.			
	btt			
	AAA			
	FAA	Brown and black SILTY SAND; Very Moist	140	Sample from 6-8 ft. bis for
	PATA (	rm)	140	DINS NTODEU STARS TELP
	BTTT			
	HHH			
	ATT .			
perforated pip	ettt			
and sand pack	* HAAA			
	HTT -	Black coarse SAND: Very Moist (Fill)		Perched water encountered
	HHH.		none	. croned water choodinered.
	HTTT			
3::::	Ett.			
	ATT			
	boot 1			
		Black CLAY; Wet		
	$\langle / / / \rangle$		none	
12				Bottom of Borehole
				Bottom of Boronolo.
	LOGGED BY N. Gorelick LER BOREHOLE DIAME 6-inches SCREEN: TYPE Slotted DUND SURFACE Locking Plu CEMEN +2 sand pack	LOGGED BY N. Gorelick LER BOREHOLE DIAMETER G-inches SCREEN: TYPE Slotted MA OUND SURFACE TOP OF WE Locking Plug Graphic Log CEMENT CEMENT #2 sand pack	LOGATION Organics/Suciac Block      LOGGED BY N. Gorelick      Brooklyn, New York      GEOGRAPHIC AREA     Organics/Suciac Block      BOREHOLE DIAMETER     DRILLING EQUIPMENT/METHOD      G-inches     SCREEN:     TYPE Slotted     MAT. PVC     TOTAL LENGTH 5      Coking Plug      Graphic     Locking Plug      Cocking      Cocking	LOCATION OrganiCS/Suciac Block           ILOGGED BY N. Gorelick         Brooklyn, New York           LER         GEOGRAPHIC AREA OrganiCS/Suciac Block           IBOREHOLE DIAMETER         DRILLING EQUIPMENT/METHOD           ISORERN         Mobile Drill B-61 / HSA           TYPE Slotted         MAT. PVC           TOP A BOTTOM SCREEN         OW SURFAC           Locking Plug         Orange brown and grey medium to coarse SAND, litle Silt trace gravel, Moist (Fill)           CEMENT         Orange brown SiLTY SAND, trace gravel.           Demonstration         Orange brown SiLTY SAND, trace gravel.           #2 sand pack         No Recovery           more         Fill           Brown and black SILTY SAND, Very Moist (Fill)         140           Brown and black SILTY SAND, Very Moist         140           Brown and black SILTY SAND, Very Moist         140

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APPENDIX B

# APPENDIX **B**

Waste Classification Data

ROUX ASSOCIATES, INC.

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s 9		WET CHEM ANA	1 LYSIS DATA SHEET	SAMPLE NO.
24				WC-1
жў	Lab Name: <u>STL</u>		Contract:	
-38	Lab Code: <u>STL</u>	Саве No.: <u>2949А</u>	SAS No.:	SDG No.: <u>A2949</u>
<del>NË</del>	Matrix (soil/water)	: <u>SOIL</u>	Lab Sample ID:	: <u>992949A-03</u>
2.2.推	<pre>% Solids:</pre>	95.4	Date Received:	: <u>11/03/99</u>

Petroleum Hydrocarbons 39.5 mg/Kg		
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· Init															
(78 <b>8</b> - 1/38					WET	CHEM	ANAL	L KSIS	data	SF	ieet		2	AMPLE	NO.
27. <b>0</b>														WC-2	
	Lab Nar	ne:	STL				_ (	Cont	ract:						
- 1978 - 549	Lab Coo	le:	STL	Cas	e No.:	<u>29497</u>	<u> </u>	SAS	No.:			_	2	DG No.	: <u>A2949</u> _
	Matrix	(sc	il/water)	: <u>so</u>	IL_				Lal	bS	Samp	le I	D:	992949	A-04
34	% Solid	ls:		89	.1				Dat	te	Rec	eive	ed:	11/03/	99

	CAS NO.	Analyte	Concentration	С	Units	Q	м
		Petroleum Hydrocarbons	68.4		mg7Kg		D
1994 1997							
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- CA							
- 1000							
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rietti.							
~ 1069							
73 <b>9</b> 8							
549							

#### Comments:

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#### TABLE GC-1.0 7099-2949A ROUX ASSOCIATES 8082 POLYCHLORINATED BIPHENYLS (PCB's)

#### All values are ug/Kg dry weight basis.

Client Sample I.D. Lab Sample I.D. Method Blank I.D. Quant. Factor	Method Blank 110599-Bl0 PBLK10 1.00	PBLK10 QC 110599-B10QC PBLK10 1.00	WC-1 992949A-03 PBLK10 1.00	Quant. Limits with no Dilution
Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1254 Aroclor-1260	С С С С С С С	U U U 150X U 150X	U U U U U U U U	33. 67. 33. 33. 33. 33. 33. 33. 33.
Date Received Date Extracted Date Analyzed	11/05/99 11/09/99	11/05/99 11/09/99	11/03/99 11/05/99 11/10/99	

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#### TABLE VO-1.0 7000-1494A ROUX ASSOCIATES TCL VOLATILE ORGANICS

#### All values are ug/L.

Client Sample I.D.	Method Blank	DEWATER-1		Quant.
Lab Sample I.D.	VBLKM4 VBLKM4	001494A-01 VBLKM4		Limits with no
Quant. Factor	1.00	1.00		Dilution
		π		10
	a a cara cara da ante d			
Vinvl Chloride	<b>U</b> -2002	T		10
Chlorgethane		352555 <b>0</b> 565555		10
Methylene Chloride	υ	2J	•	5.0
Acetone	Ũ	See Ce	13994.get.e	10
Carbon Disulfide	Ū	υ		5.0
Vinyl Acetate	a de la calencia de l	eren <b>n</b> eueren		berge <b>20</b> sepe
1,1-Dichloroethene	U Statestation of the statestation		***	
ic-1 2-Dichloroethene		TT		5.0
	ະການນາວເວັ <b>ບ</b> ັນແລະເປັ	i i i i i i i i i i i i i i i i i i i		21 - <b>5 - 0</b>
Chloroform	Ū	Ŭ		5.0
1,2-Dichloroethane	Û			5 0
2-Butanone	U	<u></u> די די	• • •	10
1,1,1-Trichloroethane	i Ciller <b>B</b> ritting St	. See <b>u</b> eesse		5-0-
Carbon Tetrachloride	U	U.S. S.	5126516265162626263	5.0
Bromodichioromethane	TT	Second Second		
1,2-Dichioropropane				5.0 511150000000
Trichloroethene	Ŭ	U State Sta		5.0
Dibromochloromethane	ange e <b>n t</b> errepe	J. J		5.0
1,1,2-Trichloroethane	. ד <b>ד</b>	υ		5.0
Benzene	Ū	Ū		5.0
trans-1,3-Dichloropropene	<b>U</b>	U		5.0
		intere dentri i		5.00 see
4-Methyl-2-Pentanone	u constationation			
Tetrachloroethene		U	·····	5.0
Toluene	eredit <b>u</b> teretet	<b>.</b>		5.0
1,1,2,2-Tetrachloroethane	ΰ	υ		5.0
Chlorobenzene	shistes <b>y</b> diololib	<b></b>		5.0
Ethylbenzene	<b>U</b>		••••••	5.0
Xylene (total)	Ū	teritosanan <b>n</b> assesses ∎	3202203222000000333	5.0
Date Received	27 / 2	07/17/00		
Date Extracted	N/A 07/19/00			
Date Analyzed	01/18/00	01/18/00		

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TABLE SV-1.0 7000-1494A ROUX ASSOCIATES pag TCL SEMI-VOLATILE ORGANICS All values are ug/L.								
Client Sample I.D.	Method Blank	DEWATER-1		Quant.				
Lab Sample I.D.	SBLKYS	001494A-01 SBLKYS	· · · · · · · · · · · · · · · · · · ·	Limits with no				
Quant. Factor	1.00	1.06		Dilution				
				10				
Phenol								
2-Chlorophenol	π	TT T		10				
				<b>10</b>				
1.4-Dichlorobenzene	U	Ū		10				
Benzyl alcohol		T T		10				
1,2-Dichlorobenzene	σ	σ		10				
2-Methylphenol	U							
2,2'-oxybis(1-Chloropropane)	U	14		10				
4-Methylphenol	U			10				
N-Nitroso-di-n-propylamine	U	U U	a sharana an an an an an titi tuta	10				
Hexachloroethane				10				
				10				
2 Nitmonhenel	TT CALL	TT T		10				
				2010				
Benzoic acid	appros φ. <del>Υ</del> γιγικική Π	Π		50				
bis(2-Chlorgethoxy)methane				10				
2.4-Dichlorophenol		U U	11111111111111111111111111111111111111	10				
1,2,4-Trichlorobenzens	U	<b>U</b> Sector		205-12 <b>0</b> -12				
Naphthalene	υ	σ		10				
4-Chloroaniline		U		200 - C				
Hexachlorobutadiene	υ	U		10				
4-Chloro-3-methylphenol		U		<b>10</b>				
2-Methylnaphthalene	U.S. Sussess	U U	and a second	10				
Hexachlorocyclopentadiene		The second s						
2,2,0-Trichtorophenol	U Heisen och Heisen och H	U		10 1720 - 10 - 10				
2-Chloronaphthalene	alixeesona≈€inite: π	T CONTRACTOR OF T		10				
2-Nitroaniline				50				
Dimethylphthalate	Ŭ	U	n an a second a second second second	10				
Acenaphthylene	<b>U</b>	I		10				
2,6-Dinitrotoluene	U U	τ	······································	10				
3-Nitroaniline	U	Ū		50				
Acenaphthene	<u> </u>	.6J		10				
Data Descined								
Date Received	07/17/00							
Date Analyzed	07/10/00	07/19/00						
Dare Analyzen	1 01/70/00	1 01/79/00	1	1				

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page 2 of 2

#### 7000-1494A ROUX ASSOCIATES TCL SEMI-VOLATILE ORGANICS

TABLE SV-1.0

All values are ug/L.

	1 .			
Client Sample I.D.	Method Blank	DEWATER-1	-	0
	ODT 2520	0014042-01		Juant.
Lab Sample 1.D.	CRIPUC	CBLEVS		with no
Method Blank 1.D.	1 00	1.06		Dilution
Quant. Factor				
2 4-Dinitrophenol	π	π		50
4-Nitrophenol	and a state of the second state of the			50
Dibenzofuran	U	Ū		10
2.4-Dinitrotoluene				10
Diethylphthalate	υ	υ		10
4-Chlorophenyl-phenylether	a la contra se	U		10
Fluorene	σ	υ		10
4-Nitroaniline	U Section Constant			20
4,6-Dinitro-2-methylphenol	Ū	U		50
N-Nitrosodiphenylamine (1)	U.S. C.	<b>U</b> ther the		<b>1</b> 0
4-Bromophenyl-phenylether	Ū	υ		10
Hexachlorobenzene	ြင်းကားလူကြားစိုးများနှ	The second second		<b>0</b>
Pentachlorophenol	U U	U U		50
Phenanchrene	e la constante de la constante	2 <b>.</b>		10
Anthracene	U U	U.		10
Carbazole		<u>Been an A</u> fferda		19:000
Di-n-butylphthalate		.30		
Fluorantnene			allin historia and and	
Pyrene		LU Sectoremented of the	an contra a successive	
Bitylbenzylpichatace	e fellus nice <b>V</b> ácálada		<u> (2003)</u> (2003)	20
Banzadalanthmasaare				
Chrycono	TT	4.7	raine de la companya	
bis (2 Ethy Row 1) mbthe late		2.18	an an ann an an an Anna an Anna an Anna an Anna Anna an Anna an	
Di-n-octylnhthalate	αρχομ <b>ι φ</b> αλαγία. <b>ΤΤ</b>	<b>1</b>		10
Benzo(b) fiunzanthane	det setañ estere			contect of Mathematica
Benzo(k) fluoranthene		3.1	20022000000000000000000000000000000000	10
Benzola nyrene salassassas	u sees tar and see also			and the second
Indeno (1,2,3-cd) pyrene	σ	U U	*********************************	10
Dibenzp (a, h) an thracene				
Benzo(g,h,i)perylene	σ	Ū		10
	1			
Date Received		07/17/00		
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Date Analyzed	07/18/00	07/18/00		1.
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# TABLE AS-1.0 7000-1494A ROUX ASSOCIATES RCRA METALS

### All values are ug/L.

cilent sample 1.D.	Deraier-1			
Lab Sample I.D.	001494A-01			
	3:00-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	storrett Strephone		
Barium	315.	0.03474747474747477		9903123001280013873-99-9
Cadmium	5.00 10.00			
Lead	<b>64.9</b>	exectors i desti	**::::::::::::::::::::::::::::::::::::	
Seleniún: Alexandra (Alexandra)				
	Client Sample I.D. Lab Sample I.D. Arsenic Barium Cadmium Chromium Lead Mercury Selenium Silver	Client Sample I.D. DEWATER-1 Lab Sample I.D. 001494A-01 Arsenic 10.1 Barium 315. Cadmium 5.00 Chromium 10.00 Lead 64.9 Mercury 0.30 Selenium 5.00	Client Sample I.D. Lab Sample I.D. Arsenic Barium Cadmium Chromium Lead Mercury Selenium Silver DEWATER-1 001494A-01 10.1 10.1 10.00 10.00 54.9 0.30	Client Sample I.D. Lab Sample I.D. Arsenic Barium Cadmium Chromium Lead Mercury Selenium Silver DEWATER-1 001494A-01 10.1 10.1 10.1 10.1 0.30 54.9 0.30

See Appendix for qualifier definitions

APPENDIX C

# APPENDIX C

Shoring Design

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10. When piles are to be driven adjacent to the subway structure, boring data, pik layouts, specifications and installation procedures are to be submitted to NYCT foi approval. Velocity meters are to be installed in the subway tunnel at critical locations to monitor induced vibrations. Induced displacements along the tunnel structure and track invert are to be monitored during driving will be 0.5 inch per second. Value exceeding this level will be reviewed and evaluated by NYCT's Engineer. In no case will particle velocities exceed the upset level of 2.0 inches per second.	11. No piles are permitted to be installed by any method within three feet of subway structure, measured from the edge of the pile or casing to the wall. Closed-end piles will not be permitted to be driven within ten feet of the subway structure.	12. All piles are to be placed within a preaugered cased hole to the influence line. The casing shall be cleaned without disturbing the soil outside the casing and the pile to be placed within the casing for installation. The piles may then be driven beyond the influence line within the casing.	13. The influence line shall start at the bottom of the subway structure and extend at a 1:1 slope. For plies installed within ten feet of the subway structure, the casing shall be extended up to the bottom of the subway structure.	14. At the completion of pile installation, the space between the pile and the casing is to be filled with either clean sand or grout. If the casing is to be removed, the filling must be completed prior to removal of the casing.	15. All piles are to be driven a minimum of ten feet below the intersection of the pilk center line and the influence line of the subway structure.	16. The use of "down-the-hole -hammers" for installation of piles through overburden and fill will be permitted only to remove boulders. It will not be permitted as a matter of course to advance the hole. Their use to construct rock sockets will not be allowed within 5 feet of the NYCT structure.	17. Vibratory hammers will not be permitted within 75 feet of subway structures Hoerams will not be permitted within 25 feet of subway structures.	18. Dynamic compaction methods using dropped heavy weights cannot be conducted within 1000 feet of any NYCT structure unless it is shown that induced settlements and vibrations will not damage these structures. A suitable monitoring plan including settlement and vibration measurements must be approved by NYCT's Engineer for all such operations within these distances.	19. There shall be no machine excavation within 3 feet of NYCT structures, power duct lines, or any other facilities until they have been carefully exposed by hand excavation.	20. All dewatering operations conducted within 500 feet of the NYCT structure must be performed in accordance with drawings and procedures submitted to NYCT for approval. The distance from the structure to the dewatering operation can be reduced provided that soll conditions at the site indicate that the radius of influence of the dewatering is less than 500 feet. For dewatering within the radius of influence, the dewatering program must be shown to have negligible influence on settlements of the NYCT structure.	21. Subway entrances (ventilators, etc.) are to be underpinned or shored and braced if directed by NYCT's Engineer.	June 1999 2	38. Wherever a new sidewalk is being placed adjacent to NYCT structures the following will be required:	<ul> <li>a) The top of the new sidewalk shall be flush with the subway vent gratings, hatche and emergency exits.</li> <li>b) The slope of the new sidewalk shall be such that the drainage be away from thes structures.</li> <li>c) A 1/2" premolded filler shall be installed between the new sidewalk and NYC structure.</li> <li>d) Where sidewalk elevations are being changed details of proposed work around NYCT structures are to be submitted for approval.</li> </ul>	39. Before the start of any work, the Contractor shall make an examination, in the presence of NYCT's Engineer, of the interior and exterior of NYCT subway or othe structure adjacent to the proposed work. The person or persons authorized by the contractor to make these examinations shall be approved by the Engineer. The contractor shall take all photographs as may be necessary or ordered to indicate the existing condition of NYCT structure. One copy of each photograph, eight inches be ten inches in size, and the negative is to be submitted to Mr. M. Fradua, Manager Department of Maintenance-of-Way, 370 Jay Street, Brooklyn, New York, telephoni (718) 243-358 before the start of construction.	40. All architectural details (token booths, railings, doors, etc.) are to conform to the latest NYCT standards. These standards are available at NYCT.	41. Standard NYCT insurance Clauses are to be made part of the Project's Contrac Drawings. Proof that the necessary insurance is in effect will be required before worl can commence.	42. At the close of any project involving construction or alterations to transit facilities one set of veliums or mylars, five sets of 35mm microfilm, and electronic copie complying to microstation.dgn format of "approved as-builts" must be provided to NYCT for its records. For details of specific requirements contact NYCT Outside Projects.	43. At least seven working days prior to the start of construction operations, notification must be given to Mr. M. Fradua, Manager, Department of Maintenance-of-Way, at (718 243-4358. The contractor to provide temporary quarters near the job site for NYC inspectors containing a desk and telephone.	geninote.doc	

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NYC TRANSIT GENERAL NOTES

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are to be made part of the Project's Contract Drawing NOTE: The appropriate -

- The NYC Transit uNYCT) reserves the right to place inspectors, flagmen or other personnel in the subway structures during construction of the project linked by a tweephone system, it deemed necessary, to observe the effects of the construction on the transit facilities. It is expected that such personnel will be necessary when the construction comes within twenty-five feet of the subway structure. However, NYCT further reserves the right to place such personnel whenever, in its opinion, the project conditions warrant such placement, regardless of distance. The cost of such personnel, telephone installation and any re-routes, diversions of service, work trains, etc., made necessary by the project, must be borne by the project or the responsible New York City/state Agency.
  - All rock excavation adjacent to the transit structure is to be channel drilled two feet below subgrade. N
- If top of rock is found below subway structure, the subway structure must be underpinned in accordance with drawings to be submitted to NYCT for approval. m
  - If rock is soft or seamy, lateral supports must be provided below the subway structur in accordance with drawings to be submitted to NYCT for approval. ব
- 5. Blasting will be permitted only with light charges subject to the approval of NYCT's Engineer and in accordance with the regulations of the Fire Department. The Contractor shall provide a detailed monitoring plan, providing for measurements of both particle velocity and displacements at critical locations of the NYCT structure. The monitoring plan shall include threshold and upset levels of both particle velocity and settlement together with an action plan for their implementation. The velocity gauges to continuously monitor particle velocity and an independent include threshold and upset levels of both particle velocity and settlement together with an action plan for their implementation. The velocity gauges to continuously monitor particle velocity and an independent include surveyor to monitor displacements. The threshold maximum particle velocity above ambient caused by the blasting will be 0.5 inch per second. Values exceeding this level will be reviewed and evaluated by MYCT's Engineer. In no case will particle velocity bubicities exceeding this level will be reviewed and evaluated by MYCT's Engineer. In no case will particle ŝ
  - Before placing concrete, the subgrade of the foundations in the vicinity of the subway structure is to be inspected and approved by NYCT's Engineer. ۍ
    - ς.
- If any portion of the subway structure or finish is damaged, it shall be repaired or replaced with the same materials in place, subject to the approval of NYCT's Engineer and at the expense of the project. œ
  - Excavation embankments are to be shored and braced. Drawings indicating a suggested method of construction are to be submitted to NYCT for approval in conjuction with the project's contract drawings. In case of excavation undermining the subway structure, underpinning may be required. Drawings for underpinning are to be submitted to NYCT for approval.
- Temporary shoring may be placed in direct contact with NYCT structures only if the NYCT structure is shown to be able to support all anticipated loads that can be transferred through the temporary structures without damaging the existing structure. At the completion of the project, these temporary shoring and bracing systems are to be removed or cut-off as approved by NYCT. ъ.

June 1999

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construction work done near vent gratings and hatches shall be as follows:

- a) Unless approved by the NYCT's Engineer, all vent gratings and hatches should remain outside the construction site, separated by a construction fence. Protective shields must be provided over vent gratings as required by NYCT's environment.
- Protective shields must be provided over vent gratings as required by NTUIS Engineer. b) No building material, vehicles or construction equipment is to be stored or run over vent, gratings, hatches or emergency exits. C Details of sidewalk reconstruction around vent gratings, hatches and emergency exits are to be submitted to NYCT for approval.
- Tractors, cranes, excavators, etc. used in the vicinity of the elevated structures shall be isolated from the ground. Since the elevated structure is used as a negative return path, with a consequent potential between it and the ground, any contact between the structure and grounded equipment could result in burning of the steel. 33.
- 34. Temporary construction sheds, barricades or plywood partitions must be a minimum of 5'-0" from edge of finished platform.
- 35. Stairway/Entrance Closings: The general requirements for Stairway/Entrance closings are as follows:

- a) Only one stairway at each station will be permitted to be closed at the same time. Approvals for closing any stairway must be obtained from the Division of Station Operations at least three weeks in advance.
   b) Mr. Branko Kleva, P.E., Director, Office of Station Programs; Telephone (718) 243-3579 of the Division of Stations must be notified one week prior to the actual closing and reopening of the entrance.
   c) Ample signage must be supplied and posted at least one week in advance, advising the public of the proposed subway stair closing.
   d) The street entrance stairway should not be closed unless manpower and materials are available to commence work on dates premitted.
   e) Once the closing infection to an alternate entrance/exit, and an apology for the inconvenience to ur customers.
   f) Existing station signage must be addine to reflect any changes in accessfores.
   f) Barricades are to be painted on the street and mezzanine levels, stating the contractor's name, 24 hour emergency telephone number, contract number, the furation of the closing direction to an alternate entrance/exit, and an apology for the inconvenience to our customers.
   f) Existing station signage must be addine accuration and the street and material and anticalin the barricades are to be painted to reflect any changes in accessfores.
   f) All materials are to be painted and kept grafift free at all times. The contractor must maintain the barricade area clean of all debris.
   h) All materials are to be painted and secured and barricades from all station areas when construction is completed.
   f) inspection of the area under construction by authorized Station Department employees shall not be inhibited.
   f) inspection of the area under construction by authorized station beartment employees shall not be inhibited.
   f) inspection of the area under construction by authorized station beartmen
- - 36. If new concrete construction is joined to existing concrete, dowels and keyways are to be used in accordance with NYCT Standards.
- 37. If the project involves construction or alteration of a subway facility on private property, the property owners will be required to enter into an agreement with NYCT pertaining to all work affecting the transit facilities and clearly defining limits and responsibility for maintenance and liability.

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# INSURANCE CLAUSES

Responsibility of the Contractor. The Contractor shall be solely responsible for the safety a protection of the rapid transit subway lines and of all passengers, persons, or employees and of all property thereon.

(a) The Contractor shall be solely responsible for al injuries (including dath) to persons (including, but not limited to, employees of the Contractor and subcontractors are employees of The City of New York (nereinafter called the City) or the New York City Transit Authority (interinafter called the Authority) or damage to property (including, but not limited to, Property of the City, the Authority or the Contractor or subcontractors) occurring on account of or in connection with performance of the work hereunder and shall indemnity and seve harmless the City and the Authority from loss and itability upon any and all claims on account of such injuries to persons or damage to property, and from all costs and expenses in suits which may be brought against the City and the Authority on account of any such injuries to persons or damage to property, intespective of the actual cause of the actual injuries to persons or damage to property, and the Authority on account of any such injuries to persons or damage to property, intespective of the actual cause of the actual whether it shall have been due to negligence of the Contractor or his subcontractors or negligenee of the injuries to persons or damage to property, intespective of whether it shall have been due to negligence of the Contractor or his subcontractors or negligenee of the injuries and property damage caused by or resulting from the sole negligence of the City and/or the Authority acting as agent of the City for all payments of Worker's Compensation Benefits, including but individes the Worker's Compensation Law of the Sitale of New York, and the Contractor specifically consenting to the inhibitors the Authority and the City for all payments of Norker's Compensation Benefits, including but on the inhibitors the Authority and the City which the Authority or the City shall be required to make to any employees of the Authority and the City, which the Authority or the City shall be required to make to any employees of the Authority and the City, which the A

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(b) The Contractor shall be solely responsible for the support, maintenance, safety and protection of the transit facilities of the New York City Transit System (hereinafter called the Railroad) and for the safety and protection of all persons, passengers, intending passengers or employees and other persons, and of all property therein, and he shall be solely responsible and liable for any injury and damage thereto and for all injuries to persons or damage to property therein occurring on account of or in connection with the performance of work under this contract whether due to the negligence, fault or default of the Contractor or not.

Contractor waives, and will require any and all subcontractor(s) to waive, any right of recovery for property damage (including, but not limited to, equipment, materials and any less due to business interruption) against the New York City Transit Authority (NYCTA), Manhattan and Bronx Surface Transit Operating Authority (MaBSTOA), Staten Island Rapid Transit Operating Authority (SIRTOA), Metropolitan Transportation Authority (MTA), and all of its subsidiaries and affiliated companies, the City of New York and any other indemnified parties included in the contract and agrees to effect a waiver of subrogation in favor of the above on all policies of insurance covering property (including, but not limited to, equipment, materials and any loss due to business interruption) owned, hired or in the care, custody or control of the contractor or subcontractor(s).

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CATEGORY VI 22 MILLION PROTECTIVE LUBILITY INSURANCE (1) Agencies with railroad exposures should require Rainroad Protective Liabrith coverage while other Agencies not engaging in mairoad operations should require Owness Protective Liabrith coverage Agencies not engaging in mature - NO RECUIREMENT INECESSARY - Coverage provided under ALAgency Protective Liability Policy. - Contracts Nan-Capital in Mature - Requirement up to the discretion of the Agency Risk Manager. - Protective coverage must be required. (1)	NOTES Operating Agency and the Authority must be Named Insured. Railroad Protective should be written on AASHO or ISO-RIMA policy forms. (1) Excess firmits of \$3 million are provided by the All Agency Protective Liability Policy generating a total limit of liability of \$5 million. (2) Self-assumption of the coverages usually provided by the commercial Protective Liability policy by the City of New York is allowed. A letter stating willingness to self-assume the fisks must be provided.	1. A Commercial General Liability insurance policy (I.S.O. Form CG 00 01 11 88 or equivalent) in the Contractor's name with the New York City Transit Authority (NYCTA), Manhattan and Bronx Surface Transit Operating Authority (MBSTOA), Staten Island Rapid Transit Operating Authority (SIRTOA). Methoditan Transportation Authority (MTA), its subsidiaries and affilialed companies, the City of New York and all other indemnified parties included in the contract as Additional insureds (I.S.O. Form CG 20 10) with limits of Itability of \$2,000,000 each occurrence on a combined single limit basis (aggregate must be at least \$4,000,000) for injuries (bodity injuries, including death and personal injuries) to persons and for damage to property. Such policies shall include Contractual Coverage for liability assumed by the Contractor (including construction work within the proximity to ratiroad tracks and property, if applicable, and coverage for bodity injury sustained by an employee of the contractor) under the indemnity providen of the Contractuc coverage for "XCU" risks (Explosion, Collapse and Underground Hazards), Products - Completed Operations coverage, Independent Contractor? under Contractus any other exclusion unacceptable to the Authority and Contractor? Underground Pazards, Products - Completed Operations coverage, Independent Contractor? Under Contractor? Independent Contractor?	2. <u>A Raitroad Protective Liability</u> (or Owner's Protective Liability if no raitroad exposure) policy will be required, at the discretion of the Authority, if the Authority deems the work "Hazardous" to its property. The Protective Liability insurance policy (I.S.O. Form CG 00 36 11 85 or equivalent) must name the New York City Transit Authority (NYCTA), Manhatan and Bronx Surface Transit Operating Authority (MBSTOA), Staten Island Rapid Transit Operating Authority (SIRTOA), Metropolitan Transportation Authority (MTA), its subsidiaries and affiliated companies, the City of New York and all other indemnified parties as Named Insureds with limits of itability of \$2,000,000 each occurrence on a combined single limit besis (aggregate must be at least \$4,000,000) for injuries (bodity injuries, including death and personal trijuries) to persons and for damage to property and physical damage to all property owned by, leased by or in the care, custody and control of the Authority.	<ol> <li>An Automobile and Truck Liability insurance policy in Contractor's name with the New York City Transit Authority (NYCTA), Manhattan and Bronx Surface Transit Operating Authority (MABSTOA), Staten Island Rapid Transit Operating Authority (MTA), its subsidiaries and affiliathod comparines, the City of New York and all other indemnlifed parties included in the contract as Additional Insureds with limits of liability of \$2,000,000 each occurrence on a combined single limit basis for claims for bodily injuries (Including death) to persons and for damage to properly arising out of the ownership, maintenance or use of any owned, hired or non-owned motor vehicle.</li> <li>Wontker's Companisation Insurance (Including Employer's Liability Insurance with limits of not less than \$1,000,000] meeting the Statutory limits of the New York State.</li> <li>Any additional insurance or use of any owned, hired or non-owned motor vehicle.</li> <li>Wontker's Companisation Insurance (Including Employer's Liability Insurance with limits of not less than \$1,000,000] meeting the Statutory limits of the New York State.</li> </ol>	
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APPENDIX D

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# APPENDIX D

Waste Tracking Information

ROUX ASSOCIATES, INC.

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Disposal Tracking Form Pfizer Inc, Organics/Suciac Block, Brooklyn, New York

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INITIALS	KS	KS	KS	KS	KS	KS	KS	KS	KS	KS	KS	KS	KS	KS			
GENERAL DESCRIPTION & COMMENTS	Concrete	Concrete	Fill Material														
WEIGHT (tons)	15 <sup>(2)</sup>	2 <sup>(2)</sup>	40.50	24.02	41.62	37.41	42.52	36.48	28.11	33.2	36.35	42.75	36.73	20.64	420.33		
WASTE PROFILE CODE (if available)	۷۷	νv	САР9909010РН	САР9909010РН	CAP9909010PH	CAP9909010PH	САР9909010РН	САР9909010РН	САР9909010РН	САР9909010РН	CAP9909010PH	САР9909010РН	САР9909010РН	CAP9909010PH	TOTAL:	-	
TSDF	110 Sand <sup>(1)</sup>	110 Sand <sup>(1)</sup>	R3 Technologics <sup>(3)</sup>	R3 Technologies <sup>(3)</sup>	R3 Technologics <sup>(3)</sup>	R3 Technologies <sup>(3)</sup>	R3 Technologics <sup>(3)</sup>	R3 Technologies <sup>(3)</sup>	R3 Technologies <sup>(3)</sup>	R3 Technologics <sup>(3)</sup>	R3 Technologies <sup>(3)</sup>	R3 Technologies <sup>(3)</sup>	R3 Technologies <sup>(3)</sup>	R3 Technologies <sup>(3)</sup>			
MANIFEST/ FORM NUMBER	58211	54951	42300	42301	42302	42303	42304	42305	42306	42307	42308	42309	42310	42311			
TRUCK NUMBERS	NA	NA	11	55	6	13	=	6	55	13	6	11	11	6			
TRAILER LICENSE PLATE#	NA	NA	T50H3T	TSIH3T	TSIH3T	T45C1K	T50H3T	TSIH3T	TSIH3T	745C1K	T51H3T	T50H3T	T50H3T	TSIH3T			
TRUCK LICENSE PLATE#	28678A	28678A	4469PB	4470PB	4339PB	AC738V	4469PB	4470PB	4339PB	AC738V	4470PB	4469PB	4469PB	4470PB			
DATE	7/12/2000	7/14/2000	7/13/2000	7/13/2000	7/14/2000	7/15/2000	7/16/2000	7/17/2000	7/18/2000	7/13/2000	7/14/2000	7/14/2000	7/14/2000	7/14/2000			

Notes:
TSDF - Transportation. Storage. and Disposal Facility
(1) - 110 Sand and Gravet Mine, Melville. New York
(2) - Cubic Yards
(3) - R3 Technologies. Inc., Morrisville, Pennsylvania

Signatures: Amberly Seconder

ROUX ASSOCIATES, INC.

Page 1 of 1



50-04 73rd Place Woodside, New York 11377 (718) 533-5400 Date: ゆ7/12/2000 (MGNURL)

Descent and the

TUTE IN THE PR MBD-134 GARITU CONTRACTING 731 NEEPERHAN AVE YOTTERE NY UMTRE

Ordveri G

Truck 206769

Osseriphion Duantity MATERIAL SALES (5.00 YAD Source: BRONX Type: 311 District WSD



P<sup>-54951</sup>



50-04 73rd Place Woodside, New York 11377 (718) 533-5400

Date: 07/14/2000 TIME IN: 9:26 AM WSD-134 GARITO CONTRACTING 791 NEPPERHAN AVE YONKERS NY 10703

(MANUAL)

9:26 AM Ticket: 181445

## 1987 MACK

Driver: S

Truck: 28678A -

Description MATERIAL SALES Source: BRONX Type: 312 District: WSD --

Quantity 2.00 YRD

Signature



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50-04 73rd Place Woodside, New York 11377 (718) 533-5400

Date: 07/14/2000 Time in: 9:20 am wsD-134 Gartid contraction 791 Nepperhan 2ve. Yonkers by 18720

CAP NALLY

Driver: 3

, Description Material Sales Source: Brunx Types It.

0117 20210

1 miles

Signature



50-04 73rd Place Woodzide, New York 11377 (718) 533-5400 (MANUAL)

1:35 PM

: . .

Ticket: 179296

P 58211

Date: 07/12/2000 TIME IN: 1:39 PM WSD-134 GARITO CONTRACTING 791 NEPPERHAN AVE YONKERS NY 10703

08/15/2000 08:42 FAX 914+965+5812

1987 MACK

Driver: S

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Description MATERIAL SALES Source: BRONX Type: 311 District: WSD

Quantity 15.00 YRD

Truck: 28678A

Signature



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		Technol	ogies		
R <sub>3</sub> Tec	hnologiës, Inc. • 7 Steel Road	East • P.O. Box 847 • Morrisville	, PA 19067-0847 • Phone:	(215) 428-1700	
	NON	-HAZARDOUS WA	<b>ASTE MANIFI</b>	EST	· · · ·
•					. 0
EPA	I.D. No., Generator of Waste:			A10'	1.
Сол	npany Name: (Print or Type)				(ict-
Pick	(-up Address:	- 630 FLARATING AVE.,	(Chy) IL II (L V	<del>h hr</del>	(State)
Tele	phone Number:		Fax Number:		
Was	ste Stream Identification:	This manifest represents a non-ha	azardous waste as per EPA	and PA D.E.P. reg	ulations.
vv dž		Cubic Varde	Other: (Specify	<b>vit</b>	- 1. 6 1. M.
Ion	S	Cubic Tatus.	Omer. (opern	/ - San and a star	
Was	ste Type: Detra	Leum Contaminated Su	<u>oil</u>		
Spe	cial Handling Instructions, if a	ny:none_			
PR	OFILE / WASTE STREA	M I.D. NUMBER:	CAP9	909010PH	
condition certify	on for transportation according that the foregoing is true and contract $-7/13/00$	orrect to the best of my knowledge	The wastes were consign		
Date			(Name and Title	<b>)</b>	
		(			·
		by hauler) EPA LD. No.:		ible)	
2. Hau	iler of Waste (must be filled in		(if applica		•
2. Hau CO	aler of Waste (must be filled in MPANY NAME:	EV TRUCKIN	(if applica	<u> </u>	<b>3</b> 5 <sup>4</sup>
2. Hau CO AD	uler of Waste (must be filled in MPANY NAME:	EV TRUCKIN IEWARK, NJ	(if applica		
2. Hau CO AD Pic	Aler of Waste (must be filled in MPANY NAME:	EV TRUCKIN IEWAKK, NJ 2 Truck No.:	(if applica	o.:Y	RCAPB
2. Hau CO AD Pic The	aler of Waste (must be filled in MPANY NAME:	$\frac{EV}{EWAK} \frac{TRVC.K.IIV}{V}$ $\frac{EWAK}{V} \frac{V}{V}$ $\frac{EV}{V} \frac{K}{V} \frac{V}{V} \frac{V}{V}$ $\frac{EV}{V} \frac{K}{V} \frac{V}{V} \frac{V}{V}$ $\frac{EV}{V} \frac{K}{V} \frac{V}{V} \frac{V}{V} \frac{V}{V}$ $\frac{EV}{V} \frac{K}{V} \frac{V}{V} \frac{V}{V} \frac{V}{V} \frac{V}{V}$ $\frac{EV}{V} \frac{K}{V} \frac{V}{V} \frac{V} \frac$	(if applica	o.:Y	PC 4PB ed. 1 certify
2. Hau CO AD Pic The	aler of Waste (must be filled in MPANY NAME:	EV TRUCKIN EWARK, NJ 2 Truck No.: icked up and hauled by me to the d oregoing is true and correct.	(if applica	o.:Y	GG APB
2. Hau CO AD Pic The und	aler of Waste (must be filled in MPANY NAME:	EV TRUCKIN EWAKNS 2 Truck No.: icked up and hauled by me to the d oregoing is true and correct. (Signature of authorized agen	(if applica	o.:Y	ACAPB ed. 1 certify
2. Hau CO AD Pic The und	Aler of Waste (must be filled in MPANY NAME:	EV TRUCKIN EWAKN 2 Truck No.: icked up and hauled by me to the d oregoing is true and correct. (Signature of authorized agen tologies. Inc.	(if applica Vehicle Lic. N lisposal facility named belo nt and title)	o.:Y	ACAPB ed. 1 certify
2. Hau CO AD Pic Tho und 3. Pro	Aler of Waste (must be filled in MPANY NAME:	EV TRUCKIN EWAKNO.: 2 Truck No.: 2 Truck No.: icked up and hauled by me to the d oregoing is true and correct. (Signature of authorized agen tologies, Inc. oad East 10007 0947	(if applica Vehicle Lic. N lisposal facility named belo nt and title)	o.: <u>Y</u> w and was accepte	ACAPB ed. 1 certify
2. Hau CO AD Pic Thound 3. Pro	Aler of Waste (must be filled in MPANY NAME:	EV TRUCKIN EWARK NJ 2 Truck No.: icked up and hauled by me to the d oregoing is true and correct. (Signature of authorized agen tologies, Inc. oad East lle, PA 19067-0847 301254	(if applica Vehicle Lic. N lisposal facility named belo nt and title)	o.: <u>Y</u> w and was accepte	CAPB ed. 1 certify

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		MORR	93 <sub>8</sub> TEEMNRLABI BVILLE, RA 19	EAst 2067~0847		60290
CARRIER:	TEV TEV		(215) 428-17	00	DATE: TIME IN: TIME DUT: SCALE:	07/13/000 10:12 10:12 1.1
CUSTOMER:	CAP CAP:	ITOL ENVIRONM TRAILER:	ENTAL SERVICE	S. INC.	Als t JAIS	\$ <b>* •</b>
PRODUCT: WGT IN	PH PETROL GROSS:	EUM HYDROCAR	BN JOB: C	CAP9909010PH		
	IHRE I	48040 LBS DRIVER	= 24.02 TOM SIGNATURE	IS B 0.00 WEIGHME	PER TON	
MUUNT: \$	<b>(2, 12)</b>	<u> </u>		LJC: 576	173	

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technolo	gies

Manifest No.: -

**R3 Technologies, Inc.** • 7 Steel Road East • P.O. Box 847 • Morrisville, PA 19067-0847 • Phone: (215) 428-1700

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## NON-HAZARDOUS WASTE MANIFEST

EPA I.D. No., Generator of Waste	
Company Name: (Print or Type)	PFIZER CORP.
Pick-up Address:(No.)	630 FILIBITING FIVE. BRODKLYN NY ( (Street) (City)
Telephone Number:	Fax Number:
Waste Stream Identification:	This manifest represents a non-hazardous waste as per EPA and PA D.E.P. regulations.
Tons:	Cubic Yards: Other: (Specify)
Waste Type:	leum Contaminated Soil
Special Handling Instructions, if a	any:
PROFILE / WASTE STRE	AM I.D. NUMBER: CAP9909010PH
tify that the foregoing is true and $c$	correct to the best of my knowledge.
e:	Signature: (Name and Title)
Hauler of Waste (must be filled in	Signature:(Name and Title)
Hauler of Waste (must be filled in COMPANY NAME:	Signature:(Name and Title)
Hauler of Waste (must be filled in COMPANY NAME:	Signature:
te:Hauler of Waste (must be filled in COMPANY NAME: ADDRESS: Pick-up Date:	Signature:
Hauler of Waste (must be filled in COMPANY NAME: ADDRESS: Pick-up Date: The above described waste was p under penalty of perjury that the	Signature:
te:	Signature: (Name and Title) h by hauler) EPA I.D. No.: <i>VTPVCKING</i> <i>NEWARK</i> , <i>NJ</i> 2 Truck No.: <u>55</u> Vehicle Lic. No.: <u>433 9PB</u> vehicle Lic. No.: <u>433 9PB</u>

### 93steelnabieast Morrisville, pa 19067-0847 (215) 428-1700

60291

DATE: 07/13/00 TIME IN: 10:10 TIME DUT: 10:13 SCALE: 1

CARRIER: TEV TEV

CUSTOMER: CAP CAPITOL ENVIRONMENTAL SERVICES, INC.

TRUCK: 6 TRAILER:

PRODUCT: PH PETROLEUM HYDROCARBN JOB: CAP9909010PH

WGT IN GROSS: 114860 LBS

TARE: 31620 LBS PB

NET: 83240 LBS = 41.62 TONS & 0.00 PER TON DRIVER SIGNATURE WEIGHMASTER SIGNATURE

C:

AMOLINT: \$ 0.00

Alot of Brick

Manifest	No.:



**R<sub>3</sub> Technologies, Inc.** • 7 Steel Road East • P.O. Box 847 • Morrisville, PA 19067-0847 • Phone: (215) 428-1700

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## NON-HAZARDOUS WASTE MANIFEST

	DALD N. O				· .
1.	EPA I.D. No., Generator of Waste:	PFIXER CO			
	Company Name: (Print or Type)	630 FLUSHING AV	<u> </u>	BROOKLYN NY	
	Pick-up Address:(No.)	(Street)	, 	(City)	(State)
	Telephone Number:		- Fax Number	r:A	
	Waste Stream Identification:	This manifest represents a	non-hazardous wa	aste as per EPA and PA I	D.E.P. regulations.
	Tons:	Cubic Yards:	<u>0</u>	Other: (Specify)	<b></b>
	Waste Type: Petro	leum Contaminate	d Soil		
	Special Handling Instructions, if a	nv:n	0116		
	PROFILE / WASTE STREA	M LD NUMBER:		CAP3303010	9F9H
			£		
2.	Hauler of Waste (must be filled in	by hauler) EPA I.D. No.:	Y IN/L	(if applicable)	in the second
	COMPANY NAME: $\mathcal{DT}$	NEWOR	V N.	T	
	ADDRESS:	IVERVARI		ŢŔ	2R-7-1-157
	Pick-up Date: 7/13/00	Truck No.:		Vehicle Lic. No.:	VCK: 4470115
	The above described waste was pi under penalty of perjury that the f	cked up and hauled by me to oregoing is true and correct.	the disposal fact	Inty named below and wa	s accepted. I certify
	· · · · · · · · · · · · · · · · · · ·	5 <sup>99</sup>			
		(Signature of author	zed agent and title)		
3.	Processing Facility: R3 Techn 7 Steel R6 Morrisvil Permit #3	ologies, Inc. oad East lle, PA 19067-0847 801254			
	Waste subject to this manifest was hauler to this disposal facility and	delivered by the above accepted on this date:			
	ане D				
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		st <sup>2,1</sup>		L.		L
		₽ <sup>3</sup> sī	EEHNRLABIES	ST.		60293
CARRIER:	ΤΕν ΤΕν	MORRISVIL (21	LE, PA 19067 5) 428-1700		DATE: TIME IN: TIME OUT: SCALE:	07/13/80 10:39 10:39 1
CUSTOMER:	CAP CAPITOL	ENVIRONMENTP	L SERVICES,	INC.		
TRUCK :	13 PH PETROLEUM	TRAILER:	JOB: CAPS	9909010PH	Alut of Brick	
WGT IN	GROSS: 104	560 LBS				
	TARE: 297	40 LBS PB				
	NET: 748	120 LBS = DRIDER SIGN	37.41 TONS NATURE	WEIGHMOST	ER TON	
MOUNT: \$	0.00	sol _ lace	Le	A		
				LIC: 57873		
	•	Ϋ́Υ.				
<u> </u>			۵۵ میسیند که میروند. در میروند با این این این این این این این این این ای	an a	,	

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	(4) Manifest No.: 42303
	technologies
R3	Technologies, Inc. • 7 Steel Road East • P.O. Box 847 • Morrisville, PA 19067-0847 • Phone: (215) 428-1700 NON-HAZARDOUS WASTE MANIFEST
1.	EPA I.D. No., Generator of Waste:
	Pick-up Address:
	Tons: Cubic Yards: Other: (Specify) Waste Type: Petroleum Contaminated Soil
	Special Handling Instructions, if any:
Thi con cert	s is to certify that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper dition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I tify that the foregoing is true and correct to the best of my knowledge. e:
2.	Hauler of Waste (must be filled in by hauler) EPA I.D. No.:
	ADDRESS:
3.	Processing Facility: R3 Technologies, Inc. 7 Steel Road East Morrisville, PA 19067-0847 Permit #301254
	Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on this date: 7.13/00

(Signature of authorized agent and title)

			•			
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		MORRI	R3 TECHNOLOG 7 STEEL ROAD SVILLE, PA 1	91ES EAST 9067-0847 700		60300
CARRIER:	τεν τεν	MORRI	R3 TECHNOLOG 7 STEEL ROAD SVILLE, PA 1 (215) 428-1	IES EAST 9067-0847 700	DATE: TIME IN: TIME OUT: SCALE:	60300 07/13/00 14:16 14:16 14:16 1
CARRIER: CUSTOMER: TRUCK:	TEV TEV CAP CAP		R3 TECHNOLOG 7 STEEL ROAD (SVILLE, PA 1 (213) 420-)	IES EAST 9067-0847 700 ES, INC.	DATE: TIME IN: TIME OUT: SCALE:	60300 07/13/00 14:16 14:16 1
CARRIER: CUSTOMER: TRUCK: PRODUCT:	TEV TEV CAP CAP 11 PH PETROI	MORRI ITOL ENVIRONM TRAILER; -EUM HYDROCAR	R3 TECHNOLOG 7 STEEL ROAD SVILLE, PA 1 (213) 428-1 IENTAL SERVIC	IES EAST 9067-0847 700 ES, INC.	DATE: TIME IN: TIME OUT: SCALE:	60300 07/13/00 14:16 14:16 1
CARRIER: CUSTOMER: TRUCK: PRODUCT: WGT IN	TEV TEV CAP CAP 11 PH PETROI GROSS:	MORRI ITOL ENVIRONM TRAILER: -EUM HYDROCAR 113340 LBS	R3 TECHNOLOG 7 STEEL ROAD SVILLE, PA 1 (215) 428-1 IENTAL SERVIC	IES EAST 9067-0847 700 ES, INC. CAP9909010PH	DATE: TIME IN: TIME OUT: SCALE:	60300 07/13/80 14:16 14:16 1
CARRIER: CUSTOMER: TRUCK: PRODUCT: WGT IN	TEV TEV CAP CAP 11 PH PETROI GROSS: TARE: NET:	MORRI ITOL ENVIRONM TRAILER; LEUM HYDROCAR 113340 LBS 28300 LBS 85040 LBS DRIVER	R3 TECHNOLOG 7 STEEL ROAD (SVILLE, PA 1 (215) 429-1 ENTAL SERVIC (BN JOB; P = 42.52 TO SIGNATURE	NS © 0.00 PE	DATE: TIME IN: TIME OUT: SCALE:	60300 07/13/00 14:16 14:16 1
CARRIER: CUSTOMER: TRUCK: PRODUCT: WGT IN	TEV TEV CAP CAP 11 PH PETRON GROSS: TARE: NET: 0.00	MORRI ITOL ENVIRONM TRAILER: LEUM HYDROCAR 113340 LBS 28300 LBS 85040 LBS DRIVER	R3 TECHNOLOG 7 STEEL ROAD SVIELE, PA 1 (215) 428-1 ENTAL SERVIC BN JOB; P = 42.52 TO SIGNATURE	NS @ 0.00 EE	DATE: TIME IN: TIME OUT: SCALE:	60300 07/13/80 14:16 14:16 1
CARRIER: CUSTOMER: TRUCK: PRODUCT: WGT IN	TEV TEV CAP CAP 11 PH PETRON GROSS: TARE: NET: .0.00	MORRI ITOL ENVIRONM TRAILER: LEUM HYDROCAR 113340 LBS 28300 LBS 85040 LBS DRIVER	R3 TECHNOLOG 7 STEEL ROAD SWILLE, PA 1 (215) 429-1 HENTAL SERVIC BN JOB; P = 42.52 TO SIGNATURE	NS © 0.00 PE WEIGHMASTE	DATE: TIME IN: TIME OUT: SCALE:	60300 07/13/00 14:16 14:16 1

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Man	ifest	No ·
wian	nest	110



**R<sub>3</sub> Technologies, Inc.** • 7 Steel Road East • P.O. Box 847 • Morrisville, PA 19067-0847 • Phone: (215) 428-1700

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## NON-HAZARDOUS WASTE MANIFEST

EPA I.D. No., Generator of Was	sie:	0.854		
Company Name: (Print or Type	)	1		
Pick-up Address:	630 FLUSHING A	УЕ.,	BROOKLYN I (City)	VY (State)
Telephone Number:	- was need page and productions and the set of the set of the	Fax Numb	er:	
Waste Stream Identification:	This manifest represents a	a non-hazardous w	aste as per EPA and P	A D.E.P. regulations.
Tons:	_ Cubic Yards:	20 8	Other: (Specify)*	•
Waste Type:	oleum Contaminat	ed Soil		
Special Handling Instructions, i	f any:	none		· · · · · · · · · · · · · · · · · · ·
- <b>r</b> 6		• •		-
PROFILE / WASTE STRE	EAM I.D. NUMBER:		CAP99090	310PH
		· · · · · · · · · · · · · · · · · · ·		
ondition for transportation accordi ertify that the foregoing is true and	ng to applicable state and fede l correct to the best of my kno	eral law. The wast owledge.	es were consigned to t	he transporter named. I
ate:	Signature:		(Name and Title)	
$\sim 1$	<i>i</i> •	· /		
Hauler of Waste (must be filled	in by hauler) EPA I.D. No.: _		(if applicable)	
COMPANY NAME:	$\frac{A + V + K - V}{V}$	<u> </u>	· · ·	
ADDRESS:	ELT NELLAEX			
Pick-up Date:	Truck No.:		Vehicle Lic. No.:	2. 446APP NY
The above described waste was under penalty of periury that the	picked up and hauled by me e foregoing is true and correct	to the disposal fac	ility named below and	was accepted. I certify
ansor ponant, or porjory that the	A state and content	en e		
	(Signature of authority)	orized agent and title)		
. Processing Facility: <b>R3 Tecl</b>	hnologies, Inc.	۲۰۰۵ <del>می اور در مرکز این این این این این این این این این این</del>	and a state of the	
7 Steel Morris Permit	Road East ville, PA 19067-0847 #301254			
Waste subject to this manifest w	vas delivered by the above	4	2	
nadior to this disposal facility a			_ / /	
	- (Signature of out	porized agent and title)	7/13/0	<u> </u>
	x /			

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R3 TECHNOL 7 STEEL R MORRISVILLE, PA	60301 AD EAST 19067-0847
	DATE: 07/13/00 TIME IN: 14:18 TIME OUT: 14:18
CUSTOMER: CAP CAPITOL ENVIRONMENTAL SERV	ICES, INC.
TRUCK: 6 TRAILER: PRODUCT: PH PETROLEUM HYDROCARBN JOB	E CAP'9903010PH
WGT IN GROSS: 104460 LBS	
TARE: 31500 - LBS	
NET: 72960 LBS = 36.48 DRIVER SIGNATURE	TONS @ 0.00 PER TON WEIGHMASTER SIGNATURE
HMOLINT: \$ 0.00	
	LIC: 57873

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tech	nolog	gies

**R3 Technologies, Inc.** • 7 Steel Road East • P.O. Box 847 • Morrisville, PA 19067-0847 • Phone: (215) 428-1700

6

## NON-HAZARDOUS WASTE MANIFEST

42305

Manifest No.:

	FFIZER C	OHP.		
Company Name: (Print or Type) _	630 FLUSHING	ýl.	HRUBKLYN NY	
Pick-up Address:	(Street)		(City)	(State)
Telephone Number:	4	Fax Number	:	
Waste Stream Identification:	This manifest represents <sup>1</sup>	non-hazardous wa	ste as per EPA and PA D.E	.P. regulations.
Tons:	Cubic Yards:	20 8/1 -2-	Other: (Specify)	e inu
Waste Type:	eum Contaminat	ed Soil		
Special Handling Instructions, if an	v:	none		
	2			
PROFILE / WASTE STREAD	MID NUMBER		CHDBBMBMTWE	<b>]}- </b>
			(Name and Title)	
Hauler of Waste (must be filled in t	by hauler) EPA I.D. No.: _	<u> </u>	(Namé and Title) (if applicable)	
Hauler of Waste (must be filled in t	by hauler) EPA I.D. No.:	<u> </u>	(Nanjé and Title) (if applicable)	
Hauler of Waste (must be filled in the company name:	by hauler) EPA I.D. No.: $2$	 	(Nanjé and Title) (if applicable)	
Hauler of Waste (must be filled in the company name:	by hauler) EPA I.D. No.:    Truck No.:	<u> </u>	(Nanjé and Title) (if applicable) Vehicle Lic. No.: <u>1</u>	441, 112
Hauler of Waste (must be filled in the COMPANY NAME:	by hauler) EPA I.D. No.:	to the disposal facil	(Namé and Title) (if applicable) Vehicle Lic. No.: ity named below and was a	ccepted. I certify
Hauler of Waste (must be filled in the COMPANY NAME:	by hauler) EPA I.D. No.:	to the disposal facil	(Namé and Title) (if applicable) Vehicle Lic. No.: 1 lity named below and was a	ccepted. I certify
Hauler of Waste (must be filled in the COMPANY NAME:	by hauler) EPA I.D. No.:	to the disposal facil	(Nanjé and Title) (if applicable) Vehicle Lic. No.: 1 lity named below and was a	ccepted. I certify
Hauler of Waste (must be filled in the COMPANY NAME:	by hauler) EPA I.D. No.: Truck No.: Truck No.: Exted up and hauled by me progoing is true and correct (Signature of author cologies, Inc. ad East le, PA 19067-0847 01254	to the disposal facil	(Namé and Title) (if applicable) Vehicle Lic. No.: ity named below and was a	ccepted. I certify
Hauler of Waste (must be filled in the COMPANY NAME:	by hauler) EPA I.D. No.: Truck No.: Truck No.: tked up and hauled by me regoing is true and correct (Signature of author blogies, Inc. ad East le, PA 19067-0847 01254 delivered by the above accepted on this date:	to the disposal facil	(Nanjé and Title) (if applicable) Vehicle Lic. No.: 1 ity named below and was a	ccepted. I certify
Hauler of Waste (must be filled in the COMPANY NAME:	by hauler) EPA I.D. No.: Truck No.: Truck No.: Exted up and hauled by me regoing is true and correct (Signature of author blogies, Inc. ad East le, PA 19067-0847 01254 delivered by the above accepted on this date:	to the disposal facil	(Namé and Title) (if applicable) Vehicle Lic. No.: 1 ity named below and was a	ccepted. I certify

R3 TECHNOLOGIES 7 STEEL ROAD EAST MORRISVILLE, PA 19067-0847 (215) 428-1700

#### 60304

DATE: 07/13/00 IIME IN: 15:14 TIME DUT: 15:14 SCALE: 1

CARRIER: TEV TEV CUSTOMER: CAP CAPITOL ENVIRONMENTAL SERVICES, INC. TRUCK: 55 TRAILER:

PRODUCT: PH PETROLEUM HYDROCARBN JOB: CAP9909010PH WGT IN GROSS: 83680 LBS

TARE: 27460 LAS PB

NET: 56220 LBS 7 28.11 TONS 0 0.00 PER TOR DRIVER SIGNATURE WEIGHMARTER SIG

HMULINT: \$ 0.00

WELDHMARTER SIGNATURE

7873

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tech	nolo	gies

**R<sub>3</sub> Technologies, Inc.** • 7 Steel Road East • P.O. Box 847 • Morrisville, PA 19067-0847 • Phone: (215) 428-1700

# NON-HAZARDOUS WASTE MANIFEST

42306

Manifest No.: -

I. E	PA I.D. No., Generator of Waste:	
C	Company Name: (Print or Type)	CONS.
P	ick-up Address:630 FLUSHING	AVE., BRUCKLAN NY (State)
-	(No.) (Sircel)	Fax Number:
1	This manifest represent	nts a non-hazardous waste as per EPA and PA D.E.P. regulations.
V V	Waste Stream Identification:	Other: (Specify)
ı V	Waste Type: Petroleum' Contamina	ated Soil
ç	Special Handling Instructions, if any:	none
	PROFILE / WASTE STREAM I.D. NUMBER:	CAP9909010PH
certi Date	ify that the foregoing is true and correct to the best of my k e: Signature:	Knowledge.
2. 1	Hauler of Waste (must be filled in by hauler) EPA I.D. No	lo.:
	COMPANY NAME: TEV	+ DUCK ME
	ADDRESS: TATT NON	K. N.J.
	Pick-up Date: 7/17/C Truck No.:	Vehicle Lic. No.: 4839 P211
	The above described waste was picked up and hauled by r under penalty of perjury that the foregoing is true and corr	/ me to the disposal facility named below and was accepted. I certify prrect.
	(Signature of	of authorized agent and title)
3.	Processing Facility: R3 Technologies, Inc. 7 Steel Road East Morrisville, PA 19067-0847 Permit #301254	7
	Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on this date:	ve de la companya de la compa
. *		- 14 <del>4</del> /13/65
	(Signature o	e of authorized agent and title)
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PEGULATORY AGENCY

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			F	33 TECHNO	LOGIES	ŗ.			. •	60307	
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				AND STATES TO A DESCRIPTION OF A DESCRIP	ALC: AND ALC: A PARTY AND A PARTY AND						
			A	(215) 42	8-1700		en An Sa	***	Ph -1- 1		
				(215) 42	8-1700			D	ATE:	107/13/ 15:43	00
				(215) <sup>°</sup> 42)	8-1700			D TIME TIME	ATE: IN: OUT:	07/13/ 15:43 15:43	00
CARRIER:	ΤΕν ΤΕν			(215) 42	8-1700			D TIME TIME SC	ATE: IN: OUT: ALE:	07/13/ 15:43 15:43 15:43	02
CARRIER:	TEV TEV			(215) 42	8-1700			D TIME IME SC	ATE: IN: OUT: ALE:	Ø7/13/ 15:43 15:43 15:43	02
CARRIER:	TEV TEV CAP CAP	ITOL EN	IV I ROINME	(215) 42 NTAL SER	8-1700 Vices, 1	ENC:		D TIME TIME SC	ATE: IN: OUT: ALE:	07/13/ 15:43 15:43 1	100
CARRIER: CUSTOMER: TRUCK:	TEV TEV CAP CAP	ITOL EN		(215) 42 NTAL SER	8-1700 Vices, 1	(NC)		D TIME IME SC	ATE: IN: OUT: ALE:	007/13/ 15:43 15:43 1	/ <b>(5)</b> 2)
CARRIER: CUSTOMER: TRUCK:	TEV TEV CAP CAP 13	ITOL EN TRF	IV I RONME TILER :	(215) 42 NTAL SER	8-1700 Vices, 1	enc.		D TIME IME SC	ATE: IN: OUT: ALE:	007/13/ 15:43 15:43 1	
CARRIER: CUSTOMER: TRUCK: PRODUCT:	TEV TEV CAP CAP 13 PH PETRON	ITOL EN TRE	IV I RONME FILER ; ØROCARI	(215) 42 NTAL SER	8-1700 VICES, 1 8: CAP99	INC. 90/9010PH		D TIME IME SC	ATE: IN: OUT: ALE:	007/13/ 15:43 15:43 1	
CARRIER: CUSTOMER: TRUCK: PRODUCT:	TEV TEV CAP CAP 13 PH PETROI	ITOL EN TRF _FUM HY	WIRONME MLER: DROCARI	(215) 42 NTAL SER	8-1700 VICES, 1 B: CAP99	(NC. 90/9010PH		D TIME IME SC	ATE: IN: OUT: ALE:	007/13/ 15:43 15:43 1	
CARRIER: CUSTOMER: TRUCK: PRODUCT: WGT IN	TEV TEV CAP CAP 13 PH PETRON GROSS:	ITOL EN TRE FUM HY 9504Ø	IV I RONME FILER; DROCARI LBS	(215) 42 NTAL SER	8-1700 Vices, ) B: CAP99	INC. 90/90101₽+		D TIME IME SC	ATE: IN: OUT: ALE:	07/13/ 15:43 15:43 1	
CARRIER: CUSTOMER: TRUCK: PRODUCT: WGT IN	TEV TEV CAP CAP 13 PH PETRON GROSS: TARE:	ITOL EN TRF _EUM HY 9504Ø 2864Ø	IV I RONME ILER: DROCARI LBS LBS	(215) 42 NTAL SER	8-1700 VICES, 1 B: CAF99	(NC. 90/90101PH		D TIME SC	ATE: IN: OUT: ALE:	007/13/ 15:43 15:43 1	
CARRIER: CUSTOMER: TRUCK: PRODUCT: WGT IN	TEV TEV CAP CAP 13 PH PETRON GROSS: TARE:	ITOL EN TRE _EUM HY 9504Ø 2864Ø	IV I RONME NLER; DROCARI LBS LBS	(215) 42 NTAL SER	8-1700 VICES, ) B: CAF99	INC. 909010PH		D TIME IME SC	ATE: IN: OUT: ALE:	007/13/ 15:43 15:43 1	
CARRIER: CUSTOMER: TRUCK: PRODUCT: WGT 1N	TEV TEV CAP CAP 13 PH PETRON GROSS: TARE: NET:	ITOL EN TRF EUM HY 95040 28640 66400	IV I RONME FILER: DROCARI LBS LBS	(215) 42 NTAL SER N .TO P = 33.20	8-1700 VICES, 1 B: CAP99 TONS 0	INC. 90/9010PH	PER	D TIME IME SC	ATE: IN: OUT: ALE:	Ø7/13/ 15:43 15:43 1	
CARRIER: CUSTOMER: TRUCK: PRODUCT: WGT IN	TEV TEV CAP CAP 13 PH PETRON GROSS: TARE: NET:	ITOL EN TRF _FUM HY 9504Ø 2864Ø 664ØØ	IVIRONME MLER: DROCARI LBS LBS MIVER :	(215) 42 NTAL SER N .TO F SIGNATURE	8-1700 VICES, 1 B: CAF99 TONS 0	INC. 909010194 # 0.0 WEIGHM	PER HISTRR		ATE: IN: OUT: ALE:	07/13/ 15:43 15:43 1	
CARRIER: CUSTOMER: TRUCK: PRODUCT: WGT IN	TEV TEV CAP CAP 13 PH PETRON GROSS: TARE: NET: 0.00	I TOL EN TRE _EUM Hy 95040 28640 66400	IVIRONME ALER; DROCARI LBS LBS RIVER (	(215) 42 NTAL SER N TO N TO SIGNATURE	8-1700 VICES, ) B: CAF'99 TONS 0	INC. 90/9010124 8 0.0 WEIGHM	NØ PER	D TIME SC TON	ATE: IN: OUT: ALE:	Ø7/13/ 15:43 15:43 1	
CARRIER: CUSTOMER: TRUCK: PRODUCT: WGT IN	TEV TEV CAP CAP 13 PH PETRON GROSS: TARE: NET: 0.00	ITOL EN TRF ETIM HS 9504Ø 2864Ø 664ØØ L	IV I RONME MLER: DROCAHI LBS LBS DRIVER :	(215) 42 NTAL SER N .TO SIGNATURE	8-1700 VICES, 1 B: CAP99 TONS 0	UNC. 909010PH 8 0.0 WEIGHM	10 PER	D TIME SC	ATE: IN: DUT: ALE:	Ø7/13/ 15:43 15:43 1	
CARRIER: CUSTOMER: TRUCK: PRODUCT: WGT IN	TEV TEV CAP CAP 13 PH PETRON GROSS: TARE: NET: 0.00	I TOL EN TRE _FUM HY 95040 28640 66400 L	IV I RONME FILER; DROCARI LBS LBS DRIVER ;	(215) 42 NTAL SER NTAL SER N JU SIGNATURE	8-1700 VICES, 1 B: CAF'99 TONS 0	INC. 909010194 8 0.0 WEIGHM LJC: 57	10 PER IASTER 1073	D TIME SC TON	ATE: IN: OUT: ALE:	Ø7/13/ 15:43 15:43 1	
CARRIER: CUSTOMER: TRUCK: PRODUCT: WGT IN	TEV TEV CAP CAP 13 PH PETRON GROSS: TARE: NET: 0.00	ITOL EN TRF _EUM HY 95040 28640 66400 L	IV I ROINME FILER: DROCARI LBS LBS DRIVER S	(215) 42 NTAL SER N .TO E SIGNATURE	8-1700 VICES, 1 B: CAP99 TENS 0	INC. 909010PH 909010PH WEIGHM	NØ PER HØSTR 1973	D TIME SC	ATE: IN: OUT: ALE:	Ø7/13/ 15:43 15:43 1	
CARRIER: CUSTOMER: TRUCK: PRODUCT: WGT IN	TEV TEV CAP CAP 13 PH PETRON GROSS: TARE: NET: 0.00	ITOL EN TRF FUM HY 95040 28640 66400 L	IVIRONME NLER: DROCARI LBS LBS DRIVER :	(215) 42 NTAL SER N JO = 33.20 SIGNATURE	8-1700 VICES, ) B: LAF'99 TONS 0	INC. 909010PH WEIGHM LIC: 57	PER BSTR 873	D TIME SC TON	ATE: IN: OUT: ALE:	Ø7/13, 15:43 15:43 1	
CARRIER: CUSTOMER: TRUCK: PRODUCT: WGT IN	TEV TEV CAP CAP 13 PH PETRON GROSS: TARE: NET: 0.00	I TOL EN TRF _EUM HY 95040 28640 66400 L	IV I RONME FILER: DROCARI LBS LBS DRIVER :	(215) 42 NTAL SER N .TO F SIGNATURE	8-1700 VICES, 1 B: CAF99	INC. 909010PH 0.0 WEIGHM	NO PER HISTER B73	D TIME SC TON	ATE: IN: OUT: ALE:	Ø7/13/ 15:43 15:43 1	

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		Katechn	ologies			
k3 Technologies, Inc. •	7 Steel Road East •	P.O. Box 847 • Morris $7 \land P D \cap I $	ville, PA 19067 WASTE	-0847 • Phone: (215) 42 MANIFEST	28-1700	
. EPA I.D. No., Gener	ator of Waste:					
Company Name: (Pr	int or Type)	PETZER COR				
Pick-up Address:	630	FLUSHING AVE	*	BROOMLYN HY		State)
Telephone Number:	(1X0.)	(Succi)	Fax Numbe	r:	·····	
Waste Stream Identit	ication:This r	nanifest represents a no	n-hazardous wa	nste as per EPA and PA	D.E.P. regu	lations.
Tons:	Cubic	Yards: 1 CSO	<u>v h_ h</u>	Other: (Specify)	an time -	
Waste Type:	Petroleúm	Contaminated	Piole	39 - <sup>3</sup> 7 <b>4</b>		· · ·
Special Handling Ins	structions, if any:	no	ne			<u> </u>
					•	: · · ·
PROFILE / WAS	TE STREAM LE			CAP990901	ØFH	
his is to certify that the ondition for transportat	above named materi ion according to appl	als are properly classificable state and federal	ed, described, p law. The waste	ackaged, marked, and has were consigned to the	beled, and transporter	are in proper named. I
This is to certify that the ondition for transportat ertify that the foregoing Date:	above named materi ion according to appl is true and correct to	als are properly classif icable state and federal the best of my knowle Signature:	ed, described, p law. The waste dge.	ackaged, marked, and has were consigned to the (Name and Title)	ibeled, and transporter	are in proper named. I
This is to certify that the ondition for transportat ertify that the foregoing Date:/	above named materi ion according to appl is true and correct to	als are properly classificable state and federal o the best of my knowled Signature:	ed, described, p law. The waste dge.	ackaged, marked, and has were consigned to the (Name and Title)	ibeled, and transporter	are in proper named. I
This is to certify that the ondition for transportat ertify that the foregoing Date:	above named materi ion according to appl is true and correct to st be filled in by hau	als are properly classificable state and federal of the best of my knowled in the best of my knowled in the best of the best of my knowled in the best of the best	ed, described, p law. The waste dge.	(if applicable)	ibeled, and transporter	are in proper named. I
This is to certify that the ondition for transportat ertify that the foregoing Date:	above named materi ion according to appl is true and correct to st be filled in by hau	als are properly classif icable state and federal the best of my knowled Signature: ler) EPA I.D. No.: ) (4 U M	ed, described, p law. The waste dge.	(if applicable)	ibeled, and transporter	are in proper named. I
This is to certify that the ondition for transportater if that the foregoing         Date:	above named materi ion according to appl is true and correct to $\frac{1}{2}$ st be filled in by hau $\frac{1}{2}$	als are properly classificable state and federal b the best of my knowld Signature: ler) EPA I.D. No.: 2 (4 UM	ed, described, p law. The waste dge.	(Name and Title) (Vehicle Lic. No.:	ibeled, and transporter	are in proper named. I
his is to certify that the ondition for transportat ertify that the foregoing Date:	above named materi ion according to apple is true and correct to st be filled in by hau $\frac{\sqrt{4}}{\sqrt{4}}$ $\frac{\sqrt{4}}{\sqrt{4}}$ $\frac{\sqrt{4}}{\sqrt{4}}$ waste was picked up jury that the foregoin	als are properly classificable state and federal othe best of my knowled Signature:	ed, described, p law. The waste dge.	(Name and Title) (Name and Title) (If applicable) Vehicle Lic. No.:	abeled, and transporter	are in proper named. I
his is to certify that the ondition for transportat ertify that the foregoing Date:	above named materi ion according to appl is true and correct to st be filled in by hau $\frac{1}{2}$	als are properly classificable state and federal o the best of my knowled 	ed, described, p law. The waste dge.	(Name and Title) (Name and Title) (if applicable) Vehicle Lic. No.:	abeled, and transporter	are in proper named. I
Company name Company name Company name Company name Pick-up Date: The above described under penalty of per Company name Company	above named materi ion according to appl is true and correct to st be filled in by hau waste was picked up jury that the foregoin <b>R3 Technologie</b> <b>7 Steel Road E</b> <b>Morrisville, PA</b> <b>Permit #30125</b>	als are properly classificable state and federal o the best of my knowled 	ed, described, p law. The waste dge.	<pre>ackaged, marked, and la ss were consigned/fo the</pre>	abeled, and transporter	are in proper named. I

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(Signature of authorized agent and title)

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			R3 7	TECHNC	DLOGIES (OAD EA:	<b>3</b> T		- - -		60315	in de Frank
			MORRISV (	ILLE, F 215) 42	40 1906 28-17ወወ	7-0847		DF TIME TIME C	IN: UT:	07/14 09:56 09:56	/ <b>6</b> 8Ø
CUSTOMER:	CAP CAP	ITOL EN	VIRONMEN	TAL SER	wices,	INC.		SCF	₩t: \$		
PRODUCT:	6 PH PETROL	TRA EUM HYI	iler <del>)</del> )rogarbn	JC	De: Capy	9909010	PH				
WGIIN	GROSS:	1042 <b>00</b> 31500	LBS	<b>p</b> i					- - -		
	NET:	72700 <u> </u>	LBS =	36.35 GNATURE		B Ø WEIG	. 00 PE	R TON	TURE		
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**R3 Technologies, Inc.** • 7 Steel Road East • P.O. Box 847 • Morrisville, PA 19067-0847 • Phone: (215) 428-1700

## NON-HAZARDOUS WASTE MANIFEST

42308

Manifest No.: .

	PETZER CON	<b>3</b> Þ.		
Company Name: (Print or Type) -	E TRA EN FICULITANCE SYNC		A VAL ABV	· · · · · ·
Pick-up Address:	(Sireet)	(City)		(State)
Telephone Number:	ng name ngan sana agan ana sana sana sana	- Fax Number:		
Waste Stream Identification:	This manifest represents a n	on-hazardous waste as per I	EPA and PA D.E.P. r	egulations.
Tons:	Cubic Yards:	ð Other: (Sp	ccify)	<u>N</u>
Waste Type: Petrol	leum Contaminated	j Soil		
Special Handling Instructions, if a	אני:	100		
	. <b>.</b>			
PROFILE / WASTE STREA	M I.D. NUMBER:	CF	P9909010PH	
»	Signature:	(Name and	Tile)	· · · · · · · · · · · · · · · · · · ·
	*			
Hauler of Waste (must be filled in	by hauler) EPA I.D. No.:	(if ;	pplicable)	······································
	and the second second second second			
COMPANY NAME:7	Eil Es	<u>Alexandra</u>	<u> </u>	
COMPANY NAME:	LUK IST	<u>- Kray</u>	· · · · · · · · · · · · · · · · · · ·	
COMPANY NAME:	Truck No.:	Vehicle Li	c. No.: <u> </u>	47
COMPANY NAME: ADDRESS: Pick-up Date: The above described waste was pic under penalty of perjury that the fo	Truck No.: cked up and hauled by me to pregoing is true and correct.	Vehicle Li the disposal facility named	c. No.: <u>Tang</u> below and was accer	sned. I certify
COMPANY NAME:ADDRESS: Pick-up Date: The above described waste was pie under penalty of perjury that the fo	Truck No.: cked up and hauled by me to pregoing is true and correct. (Signature of authoriz	Vehicle Li the disposal facility named ed agent and title)	c. No.: <u>Texe</u> below and was accer	sted. I certify
COMPANY NAME:ADDRESS: Pick-up Date: The above described waste was pie under penalty of perjury that the for Processing Facility: R3 Techn 7 Steel Ro Morrisvil Permit #3	Truck No.:	Vehicle Li the disposal facility named ed agent and title)	c. No.: <u>Tenc</u> below and was accer	ned. I certify
COMPANY NAME:ADDRESS: Pick-up Date: The above described waste was pie under penalty of perjury that the for Processing Facility: R3 Techn 7 Steel Ro Morrisvil Permit #3 Waste subject to this manifest was hauler to this disposal facility and	Truck No.: cked up and hauled by me to pregoing is true and correct. (Signature of authoriz ologies, Inc. pad East le, PA 19067-0847 01254 delivered by the above accepted on this date:	Vehicle Li the disposal facility named ed agent and title)	c. No.: Tens	ned. I certify
COMPANY NAME:ADDRESS: Pick-up Date: The above described waste was pieunder penalty of perjury that the for under penalty of perjury that the for Processing Facility: R3 Techn 7 Steel Ro Morrisvil Permit #3 Waste subject to this manifest was hauler to this disposal facility and	Truck No.: cked up and hauled by me to oregoing is true and correct. (Signature of authoriz ologies, Inc. oad East le, PA 19067-0847 01254 delivered by the above accepted on this date:	Vehicle Li the disposal facility named red agent and title)	c. No.: $\underline{\tau_{EPS}}$	sted. I certify

DECIN ATORY AGENCY

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R3 TECHNOLOGIES 7 STEEL ROAD EAST	60	314
MORRISVILLE, PA 19067-0847 (215) 428-1700		/14/@01
	TIME IN: 09 TIME OUT: 09 SCALE: 1	154 154
CUSTOMER: CAP CAPITOL ENVIRONMENTAL SERVICES, INC.		
TRUCK: 11 TRAILER:		
WGI IN GROSS: 113000 LBS		
TARE: 28300 LBS P		
NET: 85500 LES - 42.75 TONS 0 0.00 PED DRIVER SIGNATURE WEIGHMASTER	TON DESTINATURE	
MOUNT: \$ 0.00 /COU		2
LIC: 57873		• .
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R3 Technologies, Inc. • 7 Steel Road East • P.O. Box 847 • Morrisville, PA 19067-0847 • Phone: (215) 428-1700

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### NON-HAZARDOUS WASTE MANIFEST

42309

Manifest No.:

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		× 2	/pc/12
waste subject to this hauler to this disposa	nanifest was delivered by the above l facility and accepted on this date:		
	Permit #301254		
Processing Facility:	AS recunologies, Inc. 7 Steel Road East Morrisvillo DA 10067 0847		
	(Signature or author	2cu agein anu mic)	
<u> </u>	(Signature of outboard	2 rel auent and title)	
under penalty of perj	ury that the foregoing is true and correct.		
Pick-up Date:	waste was nicked up and hauled by me to	Vehicle Lic. No.	and was accepted L certify
ADDRESS:	L. Lon Meurer		- LILI JE
JUMPANY NAME:	P M F		
	TEV +0	(if applicable	e)
Hauler of Waste (mus	st be filled in by hauler) EPA I.D. No.:		
		(Name and Title)*	
: - Think	Signature:	VTX GA	
fy that the foregoing	is true and correct to the best of my know	ledge./	
is to certify that the	above named materials are properly classion according to applicable state and feder	fied, described, packaged, marked	, and labeled, and are in property to the transporter named 1
PROFILE / WAS	TE STREAM I.D. NUMBER:	<u>eeqaa</u>	09010PH
Special Handling Inst	nuctions, if any:	one	
Waste Type:	Petroieum Lontaminate	0 5011	
Fons:	Cubic Yards:	• Other: (Specify)	
Waste Stream Identif	ication:		
Telephone Number:	This manifest represents a l	non-hazardous waste as per EPA a	nd PA D.E.P. regulations.
Pick-up Aduless.	(No.) (Street)	(City)	(State)
	. 630 FLUSHING AV	E., BRUCKLYN	NY
Company Name: (Pri	nt or Type)		

### R3 TECHNOLOGIES 7 STEEL ROAD EAST MORRISVILLE, PA 19067-0847 (215) 428-1700

 $i_{\sigma T}$ 

CARRIER: TEV TEV CUSTOMER: CAP-CAPITOL ENVIRONMENTAL SERVICES, INC. TRAILER: TRUCK: 11

PRODUCT: PH PETROLEUM HYDROGARBN JUB: CAP9909010PH

WGT IN GROSS: 101760 LBS

F' TARE: 28300 \_\_\_\_\_

NET: 73460 LBS = 36.73 TONS @ 0.00 PER TON NEIGHMASTER SIGNATURE DRIVER SIGNATURE

0.00 MULINI: \*

DATE: 07/14/00 TIME IN: 15:06 TIME OUT: 15:06 SCALE: 1

moisture

LIC: 57873

					42310
	and the second second			Manifest No.: _	· - • - •
		techno	ologies		
Ra Technologies, ]	Inc. • 7 Steel Road East • P	.O. Box 847 • Morrisv	ille, PA 19067-0847	• Phone: (215) 428-1	700
	NON-HA	ZARDOUS	<b>WASTE M</b>	NIFEST	
1. EPA I.D. No., C	Senerator of Waste:	PFIZER COR			
Company Name	e: (Print or Type)630	PUISHING AVE.		ROOKLYN NY	sture
Pick-up Addres	S:(No.)	(Street)	(Ciı	y)	(State)
Telephone Num	ber: This m	anifact coprosants a por	Fax Number:	per EPA and PA D E	P regulations
Waste Stream Io	lentification:				,
Tons:	Cubic	Yards:	Othe	r: (Specify)	
Waste Type:	Petroleum	Lontaminated	3011		
Special Handlin	g Instructions, if any:	nor	10		
				·	
PROFILE / V	VASTE STREAM I.D.	NUMBER:		CAP9909010P	
This is to certify the condition for transp certify that the fore Date:	at the above named materia ortation according to applic going is true and correct to	Is are properly classifie cable state and federal l the best of my knowled Signature:	d, described, packag aw. The wastes wer ige.	ed, marked, and labels e consigned to the tran	ed, and are in proper sporter named. I
2. Hauler of Waste	(must be filled in by haule	r) EPA I.D. No.:		1	
COMPANY NA	ME:	EV. TR.	ekida_	(if applicable)	
ADDRESS:	Play Marinek				
Pick-up Date:	Theston T	ruck No :	. Vehi	cle Lic. No.:	446.0 24
The above desc under penalty o	ribed waste was picked up f perjury that the foregoing	and hauled by me to th is true and correct.	e disposal facility na	med below and was a	xepted. I certify
		(Signature of authorized	agent and title)		
3. Processing Faci	lity: R3 Technologies 7 Steel Road Ea Morrisville, PA Permit #301254	s, Inc. st 19067-0847		<b>č</b>	
Waste subject to hauler to this di	o this manifest was delivere sposal facility and accepted	d by the above l on this date:			
				n an an Arrange An Arrange an Arrange Arrange an Arrange an Arrange	
		(Signature of authorized	agent and title)	<u> </u>	

n niv

×,

R3 TECHNOLOGIES 7 STEEL ROAD EAST MORRISVILLE, PA 19067-0847 (215) 428-1700

DATE: 07/14/80 TIME IN: 14:58 TIME OUT: 14:58 SCALE: 1

CARRIER: TEV TEV CUSTOMER: CAP CAPITOL ENVIRONMENTAL SERVICES, INC. TRAILER TRUCK: 6 PRODUCT: PH PETROLEUM HYDROGARBN JUB; CAP9909010PH WGT IN GROSS: 72780 LBS

> TARE: 31500 LBS - pi

> > 0.00

NET: 41280 LBS - 20.64 TONS @ 0.00 PER TON DRIVER SIGNATURE

ALINT: \*

MEIGHMASTER SIGNATURE

LIC: 57873

	• •					
3				Manifest	No.:	42311
		technolo	ogies			
R	<b>Technologies, Inc.</b> • 7 Steel Ro	ad East • P.O. Box 847 • Morrisville,	PA 19067-084	7 • Phone: (215	) 428-1700	1997 - 1997 -
_	NO	N-HAZARDOUS WA	STE M	ANIFES	Γ	
1.	EPA I.D. No., Generator of Was	e:			·	
	Company Name: (Print or Type)	PFIZER CORP.	· · · · ·			
	Pick-up Address:	630 FLUSHING QUE	<u>8</u>	RODALYN	NY	(State)
	Telephone Number:	Fa	ax Number: _		· · · · · ·	
	Waste Stream Identification:	This manifest represents a non-haz	ardous waste	ns per EPA and l	PA D.E.P. r	egulations.
	Tons:	Cubic Yards:	Oth	er: (Specify)	· · · · ·	· · · · ·
	Waste Type:	oleum Contaminated So	41	ş		· · · · ·
	Special Handling Instructions, if	any:				
					CAR PAPER	
Th	PROFILE / WASTE STRE	AM I.D. NUMBER:	escribed, packa	CAP9909	d labeled, a	ind are in proper
Th coi cei Da	PROFILE / WASTE STRE is is to certify that the above nam indition for transportation accordin- tify that the foregoing is true and ite: $-\frac{14}{2}$	AM I.D. NUMBER:	escribed, packa The wastes we	CAP9949	id labeled, r the transpo	nd are in proper rter named. I
Th co cei Da	PROFILE / WASTE STRE is is to certify that the above name indition for transportation accordin- tify that the foregoing is true and ite: $$	AM I.D. NUMBER:	escribed, packa The wastes we	CAP99499 nged, marked, an re consigned to Name and Title)	id labeled, a the transpo	nd are in proper rter named. I
Th co cei Da	PROFILE / WASTE STRE is is to certify that the above name indition for transportation accordin- tify that the foregoing is true and ite: $$	AM I.D. NUMBER:	escribed, packa The wastes we	CAP9949 nged, marked, an re consigned to Name and Title)	d labeled, a	nnd are in proper rter named. I
Th co cei Da	PROFILE / WASTE STRE is is to certify that the above namindition for transportation accordin- tify that the foregoing is true and tte: $$	AM I.D. NUMBER:	escribed, packa The wastes we	CAP99499 nged, marked, an re consigned to Name and Title)	d labeled, a the transpo	nd are in proper rter named. I
Th co cer Da	PROFILE / WASTE STRE is is to certify that the above namindition for transportation accordin tify that the foregoing is true and te:	AM I.D. NUMBER:	escribed, packa The wastes we	CAPS 9439 aged, marked, an re consigned to Mame and Title) (if applicable)	d labeled, a the transpo	nd are in proper rter named. I
Th co cei Da 2.	PROFILE / WASTE STRE is is to certify that the above nam ndition for transportation accordin trify that the foregoing is true and te:	AM I.D. NUMBER:	escribed, packa The wastes we	CAPSSING nged, marked, an re consigned to Name and Title) (if applicable) icle Lic. No.: -	d labeled, a the transpo	nd are in proper rter named. I
Th co ce Da 2.	PROFILE / WASTE STRE is is to certify that the above namindition for transportation accordin- tify that the foregoing is true and te:	AM I.D. NUMBER:	escribed, packa The wastes we get the wastes we be a second secon	CAPSSING aged, marked, an ere consigned to Name and Title) (if applicable) icle Lic. No.:	d labeled, a the transpo	nd are in proper rter named. I
Th co cei Da 2.	PROFILE / WASTE STRE is is to certify that the above namindition for transportation accordin- tify that the foregoing is true and te:	AM I.D. NUMBER:	escribed, packa The wastes we define the second sec	CAPSONS aged, marked, an re consigned to Name and Tale) (if applicable) icle Lic. No.:	d labeled, a the transpo	ind are in proper rter named. I
The coccent of the co	PROFILE / WASTE STRE         is is to certify that the above name         indition for transportation accordination	AM I.D. NUMBER:	escribed, packa The wastes we 	CAPSONO nged, marked, an re consigned to Name and Title) (if applicable) icle Lic. No.:	d labeled, a the transpo	nd are in proper rter named. I
Th co ce Da 2.	PROFILE / WASTE STRE is is to certify that the above namindition for transportation accordin- tify that the foregoing is true and te:	AM I.D. NUMBER:	escribed, packa The wastes we be a construction be construction construction constru	CAPSONS nged, marked, an re consigned to Name and Title) (if applicable) icle Lic. No.:	d labeled, a the transpo d d was accep	nd are in proper rter named. I
Th co cei Dz 2.	PROFILE / WASTE STRE is is to certify that the above namindition for transportation accordination for transportation accordination for transportation accordination for transportation accordination accordination for transportation accordination accordination for transportation accordination for transportation accordination for transportation accordination accordination accordination for transportation accordination accordination for transportation accordination accor	AM I.D. NUMBER:	escribed, packa The wastes we 	CAPSING nged, marked, an re consigned to Name and Title) (if applicable) icle Lic. No.:	d labeled, a the transpo	nd are in proper rter named. I

08/28/2000 15:13 7189815213 CLEAN WATER OF NY PAGE 02

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	NON-MAZARDONS.	1. Generation's US EPA ID N/	No.	Manifest Document No.	2. Page of	1			
	3. Generator's have and heating Address GARINO CONTRACTING ERM STRAT BROOK IN Generator's Phone (Q14) 9(5-	5813				·			
	5. Transporter 1 Company Name TERRALE TRANSFO 7. Transporter 2 Company Name	CLAILON	US EPA ID NU N/H US EPA ID NU	Imber	A. Tran (~ B. Tran	eporter's Pl 18 sporter's P	none 98 none	1-4600	
	9. Deelgnated Facility Name and Site Address CLEAN WATEN OF M 3249 RICHMONS TERM	10.	US EPA ID NI	unber	C. Facil	ity's Phone	981	1-4600	
	11. Waste Shipping Name and Description	. <u>.</u>				12. Cont No.	ainers Type	<b>13.</b> Total Quantity	14. Unit W1/Vo
	a New HAR, CILY	WATSA to	Parfon	Tomina	_	<u>x.x.</u> (	TΓ	xx) <b>500</b>	<u>&gt;</u> G
GENER	b. / /					<u>.</u>		· · · ·	
A T O R	۵								
	ď		· · · ·	•					-
	D. Additional Descriptions for Materials Lieled Ab	<b>226</b>							
	15. Special Handling Instructions and Additional In	tormation				•			
	16. GENERATOR'S CERTIFICATION: 1 cerdly the Printed/Typed Name Stephen Standy 17. Transporter 1 Acknowledgement of Receipt of	materials described above on the	Is manifed are not sup Signature					Manth Day	7 Yee/ DEC
	Printed Duped Name HomAS KING 18. Transporter 2 Acknowledgement of Receipt of	Materiala		homa	Kun	1		Month Ling	
	19. Discrepancy Indication Space								
FACIL	20. Facility Owner or Operator: Certification of rec	aipt of weata materials covered	d by this manifestat	icept as noted in fi	em 19,				
Ť		<b>`</b>	Signature	M				FO	15
		ORIGINAL - RET	URN TO GEN	NERATOR					

APPENDIX E

### APPENDIX E

Backfill Analytical Results



26 NORTH MALL • PLAINVIEW, NY 11803 (516) 293-2191 • FAX (516) 293-3152 E-Mail: info@SouthMallLabs.com Website: www.SouthMallLabs.com

May 4, 2000

Roux Associates Inc. 1377 Motor Parkway, Suite 403 Islandia, NY 11788

Att.: Mr. Scott Glash

Sample Description: Sample Collected By: Purchase Order Number: Site Identification: Date Samples Received: Analysis Number: Soil - Backfill - 1 Roux Associates Inc. Verbal Pfizer Backfill 4/28/00 105848

Analyte	<u>Results</u>	<u>Method</u>
Arsenic, mg/kg	<0.850	200.7 <sup>1</sup>
Barium, mg/kg	5.44	200.7 <sup>1</sup>
Cadmium, mg/kg	0.170	200.7 <sup>1</sup>
Chromium, mg/kg	1.61	200.7 <sup>1</sup>
Lead, mg/kg	1.10	200.7 <sup>1</sup>
Mercury, mg/kg	<0.014	3112B <sup>2</sup>
Selenium, mg/kg	<1.02	200.7 <sup>1</sup>
Silver, mg/kg	0.425	200.7 <sup>1</sup>
Dichlorodifluoromethane, µg/kg Chloromethane, µg/kg Vinyl chloride, µg/kg Bromomethane, µg/kg Chloroethane, µg/kg	<1.00 <5.00 <5.00 <5.00 <5.00 <1.00	8260 <sup>3</sup> 8260 <sup>3</sup> 8260 <sup>3</sup> 8260 <sup>3</sup> 8260 <sup>3</sup> 8260 <sup>3</sup>
1,1-Dichloroethene, μg/kg	<1.00	8260 <sup>3</sup>
Methylene chloride, μg/kg	<1.00	8260 <sup>3</sup>
trans-1,2-Dichloroethene, μg/kg	<5.00	8260 <sup>3</sup>
1,1-Dichloroethane, μg/kg	<1.00	8260 <sup>3</sup>
2,2-Dichloropropane, µg/kg cis-1,2-Dichloroethene, µg/kg Bromochloromethane, µg/kg Chloroform, µg/kg	<5.00 <5.00 <1.00 <1.00 <1.00	8260 <sup>3</sup> 8260 <sup>3</sup> 8260 <sup>3</sup> 8260 <sup>3</sup> 8260 <sup>3</sup>
Carbon tetrachloride, μg/kg	<5.00	8260 <sup>3</sup>
1,1-Dichloropropene, μg/kg	<1.00	8260 <sup>3</sup>
Benzene, μg/kg	<1.00	8260 <sup>3</sup>

THE ANALYSIS HAS BEEN CARRIED OUT UNDER CONTROLLED LABORATORY CONDITIONS AND ANY SUGGESTIONS ARE MADE SOLELY ON THAT BASIS.

### Ref. 105600

SUTH MALL

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Analyte	<u>Hesults</u>	Method
1.2-Dichloroethane, µa/ka	<1.00	8260 <sup>3</sup>
Trichloroethene. µa/ka	<1.00	8260 <sup>3</sup>
1.2-Dichloropropane, µg/kg	<1.00	8260 <sup>3</sup>
Dibromomethane, µg/kg	<1.00	8260 <sup>3</sup>
Bromodichloromethane, µg/kg	<1.00	8260 <sup>3</sup>
cis-1,3-Dichloropropene, µg/kg	<1.00	8260 <sup>3</sup>
Toluene, μg/kg	<1.00	8260 <sup>3</sup>
trans-1,3-Dichloropropene, µg/kg	<1.00	8260 <sup>3</sup>
1,1,2-Trichloroethane, µg/kg	<5.00	8260°
Tetrachloroethene, µg/kg	<1.00	8260°
1,3-Dichloropropane, µg/kg	<1.00	8260°
Dibromochloromethane, µg/kg	<1.00	8260°
1,2-Dibromoethane, μg/kg	<1.00	8260°
Chlorobenzene, µg/kg	<1.00	8260°
1,1,1,2-Tetrachloroethane, µg/kg	<1.00	8260°
Ethylbenzene, µg/kg	<1.00	8260°
o-Xylene, μg/kg	<1.00	8260°
m,p-Xylene, μg/kg	<1.00	8260 <sup>°</sup>
Styrene, µg/kg	<1.00	8200 0060 <sup>3</sup>
Bromotorm, µg/kg	<1.00	0200 0260 <sup>3</sup>
Isopropyibenzene, µg/kg	<1.00	0200 9260 <sup>3</sup>
Bromobenzene, µg/kg	<pre><!--< <!</td--><td>0200 9260<sup>3</sup></td></pre>	0200 9260 <sup>3</sup>
1,1,2,2-Tetrachioroethane, µg/kg	<1.00	8260 <sup>3</sup>
1,2,3-Thenloropropane, μg/kg	<1.00	8260 <sup>3</sup>
n-Propyidenzene, µg/kg	<1.00	8260 <sup>3</sup>
2-Chlorotoluene, µg/kg	<5.00	8260 <sup>3</sup>
4-Onlorotoidene, μg/kg	<5.00	8260 <sup>3</sup>
tort-Butylbenzene ug/kg	<5.00	8260 <sup>3</sup>
1.2.4-Trimethylbenzene, ug/kg	<1.00	8260 <sup>3</sup>
sec-Butylbenzene ug/kg	<1.00	8260 <sup>3</sup>
1 3-Dichlorobenzene ug/kg	<1.00	8260 <sup>3</sup>
4-Isopropyltoluene, ug/kg	<1.00	8260 <sup>3</sup>
1 4-Dichlorobenzene, ug/kg	<1.00	8260 <sup>3</sup>
1 2-Dichlorobenzene, µg/kg	<1.00	8260 <sup>3</sup>
n-Butvlbenzene, ua/ka	<1.00	8260 <sup>3</sup>
1.2-Dibromo-3-chloropropane, µg/kg	<5.00	8260 <sup>3</sup>
1.2.4-Trichlorobenzene, µg/kg	<5.00	8260 <sup>3</sup>
Hexachlorobutadiene, µg/kg	<1.00	8260 <sup>3</sup>
Naphthalene, µg/kg	<5.00	8260 <sup>3</sup>
1.2.3-Trichlorobenzene, µg/kg	<5.00	8260 <sup>3</sup>
Methyl-t-butyl ether, µg/kg	<1.00	8260 <sup>3</sup>
Phenol, µg/kg	<33.3	8270 <sup>3</sup>
bis(2-Chloroethyl)ether, μg/kg	<167.	8270 <sup>3</sup>

-2-

THE ANALYSIS HAS BEEN CARRIED OUT UNDER CONTROLLED LABORATORY CONDITIONS AND ANY SUGGESTIONS ARE MADE SOLELY ON THAT BASIS.

Ref. 105600

Analyte	<u>Results</u>	Method
2-Chlorophenol, µg/kg	<167.	8270 <sup>3</sup>
1,3-Dichlorobenzene, µg/kg	<167.	8270 <sup>3</sup>
1,4-Dichlorobenzene, µg/kg	<167.	8270 <sup>3</sup>
1,2-Dichlorobenzene, µg/kg	<167.	8270 <sup>3</sup>
2-Methylphenol, µg/kg	<167.	8270 <sup>3</sup>
bis(2-Chloroisopropyl)ether, μg/kg	<167.	8270 <sup>3</sup>
4-Methylphenol, µg/kg	<167.	8270 <sup>3</sup>
N-Nitrosodi-n-propylamine, μg/kg	<167.	8270 <sup>3</sup>
Hexachloroethane, µg/kg	<167.	8270 <sup>3</sup>
Nitrobenzene, µg/kg	<167.	8270 <sup>3</sup>
lsophorone, μg/kg	<167.	8270 <sup>3</sup>
2-Nitrophenol, µg/kg	<167.	8270 <sup>3</sup>
2,4-Dimethylphenol, µg/kg	<167.	8270 <sup>3</sup>
bis(2-Chloroethoxy)methane, μg/kg	<167.	8270 <sup>3</sup>
2,4-Dichlorophenol, µg/kg	<167.	8270 <sup>3</sup>
1,2,4-Trichlorobenzene, µg/kg	<167.	8270 <sup>3</sup>
Naphthalene, μg/kg	<167.	8270 <sup>3</sup>
4-Chloroaniline, μg/kg	<167.	8270°
Hexachlorobutadiene, µg/kg	<167.	8270°
4-Chloro-3-methylphenol, μg/kg	<167.	8270°
2-Methylnaphthalene, µg/kg	<167.	8270 <sup>3</sup>
Hexachlorocyclopentadiene, µg/kg		8270°
2,4,5-Trichlorophenol, µg/kg	<167.	8270°
2,4,6-Trichlorophenol, µg/kg	<167.	8270°
2-Chloronaphthalene, µg/kg	<167.	8270 <sup>3</sup>
2-Nitroaniline, µg/kg	<167.	8270°
Dimethyl phthalate, µg/kg	<167.	8270°
Acenaphthylene, µg/kg	<167.	8270°
2,6-Dinitrotoluene, µg/kg	<167.	8270°
3-Nitroaniline, µg/kg	<167.	8270°
Acenaphthene, µg/kg	<167.	8270 <sup>-</sup>
2,4-Dinitrophenol, µg/kg	<107.	8270°
4-Nitrophenol, μg/kg	<33.3	8270 <sup>-</sup>
Dibenzofuran, µg/kg	<107.	8270 9070 <sup>3</sup>
2,4-Dinitrotoluene, µg/kg	<107.	8270 9070 <sup>3</sup>
Diethyl phthalate, µg/kg	<107.	0270 0270 <sup>3</sup>
Fluorene, µg/kg	<107.	0270 <sup>3</sup>
4-Nitroaniline, µg/kg	<107.	0270 9270 <sup>3</sup>
4-Chlorophenol phenyl ether, μg/kg	< 107.	0270 <sup>3</sup>
2-Methyl-4,6-dinitrophenol, µg/kg	<107.	8270 <sup>3</sup>
IN-INITOSOGIPHENYIAMINE, µg/kg	<107. -167	8270 <sup>3</sup>
4-bromopnenyi pnenyi etner, μg/kg	<107.	8270 <sup>3</sup>
Hexachiorobenzene, µg/kg	<107. <167	8270 <sup>3</sup>
Pentachiorophenol, µg/kg	<107. 2187	8270 <sup>3</sup>
Phenanthrene, µg/kg	<107.	0210

-3-

### Ref. 105600

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Analyte	<u>Results</u>	Method
Anthracene, µg/kg	<167.	8270 <sup>3</sup>
Di-n-butylphthalate, µg/kg	<167.	8270 <sup>3</sup>
Fluoranthene, ug/kg	<167.	8270 <sup>3</sup>
Pvrene. µa/ka	<167.	8270 <sup>3</sup>
Butyl benzyl phthalate, µg/kg	<167.	8270 <sup>3</sup>
3.3'-Dichlorobenzidene. ug/kg	<167.	8270 <sup>3</sup>
Benzo(a)anthracene, ug/kg	<167.	8270 <sup>3</sup>
Chrysene, ug/kg	<167.	8270 <sup>3</sup>
bis(2-Ethvlhexyl)phthalate, µg/kg	<167.	8270 <sup>3</sup>
Di-n-octvlphthalate. ug/kg	<167.	8270 <sup>3</sup>
Benzo(b)fluoranthene, µg/kg	<167.	8270 <sup>3</sup>
Benzo(k)fluoranthene, µg/kg	<167.	8270 <sup>3</sup>
Benzo(a)pyrene. µq/kg	<167.	8270 <sup>3</sup>
Indeno(1.2.3-cd)pyrene, µa/ka	<167.	8270 <sup>3</sup>
Dibenzo(a,h)anthracene, ug/kg	<167.	8270 <sup>3</sup>
Benzo(g,h,i)perylene, µg/kg	<167.	8270 <sup>3</sup>

-4-

<sup>2</sup>Standard Methods for the Examination of Water and Wastewater, 19th edition <sup>3</sup>Federal Register, Vol. 49, No. 209

New York State ELAP Laboratory Identification #10950

Laboratory Director:

JPS:po

Joseph P. Shaulys

<sup>&</sup>lt;sup>1</sup>EPA SW 846, 3rd edition
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	NAGEMEN Srd Place ew York 11377 33-5400			uantity 15,00 YRD istrict WED				
B	WASTE WA 50-04 7 Woodside, N (718) 5	MICHELLEN MICHELLEN SH		ables yoo: 837 D	· · · ·	J.J.	- - -	
		-7 /1 4 / 2008 	n,	Milan ND FECYOL( F BRANK F	 			
6061								
<b>P</b>	Ę	Tactor at	Eacyen				4 	
	ANAGEMEI A 73rd Place New York 11377 \$) 533-5400			nuerti 15.00 YRD District. WG				
	WASTE M 50-0-0 Woodside (718	e (MANU) M 11NG (GUTBO). 23	· · ·	LABLES Type: R37		Lad		
		. 07/14/2000 IN: 6:56 2 079 10 CONTRACI VEPPERHAN F	ហ ដ	ription OUND RECYCI ce: BRONX		// ture m		
		Date WSD- GARI 791 r YONK	Drive	Desc OUTB Sour		Sign*		



; .) ·

50-04 73rd Place Woodside, New York 11377 (718) 533-5400

GARITO CONFRACTING COLFACING YONKERS NY 10703 Date: 07/14/2000 TIME IN: 121 ON WSD-879

Driver: 5

District ReX 022 - 270 S. abarata ab Type: Redy T OUTBOUND RECYCLIARLER Source: BRONX Description

**P** 55016



P 54980

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Woodside, New York 11377 (718) 533-5400

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Timpet 10156A 1.01 M.U.

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Trucke 286730

(1번즈 2318) Constated by TAN AND ADDA AND 0.01.01

District WSD

", BKONY Type: A37

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WASTE MANAGEMENT

50-04 73rd Place Woodside, New York 11377 (718) 533-5400 (MANUAL)

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Date: 07/13/2000 (MANUAL) TIME IN: 7:10 AM WSD-879 GARITO CONTRACTING (OUTBOUND) 791 NEPPERHAN AVE YONKERS NY 10703

Driver: 8

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Description REDWOOD CONTRACTING OUT Source: BRONX Type: R37

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Guantit; 16.20 YRD

District. WSD

Truck: 28776A



50-04 73rd Place Woodside, New York 11377 (718) 533-5400 (MANUAL)

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Date: 07/13/2003 (MANUAL) TIME IN: 8:41 AM WSD-879 GARITO CONTRACTING (OUTBOUND) 791 NEPPERHAN AVE YONKERS NY 10703

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Driver: S Truck: 28678A

Description Guantity OUTBOUND RECYCLABLES 13.20 YRD Source: BRONX Type: R37 District: WSD



50-04 73rd Place Woodside, New York 11377 (718) 533-5400 (MANUAL.)

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Date: 07/12/2000 (MANUAL) TIME IN: 9:52 AM WSD-879 GARITO CONTRACTING (DUTBOUND) 791 NEPPERHAN AVE YONKERS NY 10703

Driver: S

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NATIONAL BUSINESS FORMS (631) 243-3295

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Description CUTBOUND RECYCLABLES Source: BRONX Type: R37 Guantity 1**5.00** YRD District: WCD

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WASTE MANAGEMENT Prize/Organic 50-04 73rd Place BLUCK

(718) 533-5400 (MANUEL)

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Date: 07/13/2000 TIME IN: 12:49 AM WSD-879 GARITO CONTRACTING (CUTBOUND) 791 NEPPERHAN AVE YONKERS NY 10703

Driver: S

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Description OUTBOUND RECYCLABLES Source: BRONX Type: RAT Elstrict. "BD

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WASTE MANAGEMENT

50-04 73rd Place Woodside, New York 11377 (718) 533-5400

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Date: 07/13/2006 TIME IN: 12:08 Fri WSD-879 BARITO CONTRACTINE (OUTSOURD) 791 NEPRERHAN AVE YONKERS NY 10703

Driver: S

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NATIONAL BUSINESS FORMS (631) 243-3335

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Description OUTBOUND RECYCLABLES Source: BRONX Type: R37 Districts CEB

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APPENDIX F

# APPENDIX F

# Air Monitoring Results

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## COMMUNITY & WORKER HEALTH AND SAFETY AIR MONITORING RECORD

Client:

## Pfizer Inc

Date: \_\_\_\_\_7/12/2000

Project No:

04744Y02

Collected By: Kimberly Siemasko

Sampling Time <sup>1</sup>	Temperature (°F)	Wind Direction	Volatile Organic Compounds <sup>2</sup> Up/Down/Within (ppm)	Particulates <sup>3</sup> Up/Down/Within (mg/m <sup>3</sup> )	Mercury Vapor <sup>4</sup> Within (mg/m <sup>3</sup> )	Corrective Measure Required (Yes/No)
830	Upper 70's	NW	0.0/0.0/0.5	0.012/0.00/0.033	NM	Background
1150	Upper 70's	NW	0.0/1.1/0.0	0.008/0.040/0.053	NM	No
1205	Upper 70's	Calm	0.0/0.9/0.0	0.011/0.040/0.036	NM	No
1220	Upper 70's	Slight NW	0.0/0.9/0.0	0.009/0.033/0.040	NM	No
1235	Upper 70's	Slight NW	0.0/0.8/0.0	0.011/0.033/0.032	NM	No
1250	Upper 70's	Slight NW	0.0/0.8/0.0	0.005/0.035/0.052	NM	No
1305	Upper 70's	Breeze NW	0.0/0.8/0.0	0.014/0.035/0.052	NM	No
1320	Upper 70's	NW	0.0/0.8/0.0	0.007/0.033/0.039	NM	No
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Contraction (Contraction)

### COMMUNITY & WORKER HEALTH AND SAFETY AIR MONITORING RECORD

Client:

#### Pfizer Inc

Date: 7/13/2000

Project No:

04744Y02

Collected By: Kimberly Siemasko

Sampling Time <sup>1</sup>	Temperature (°F)	Wind Direction	Volatile Organic Compounds <sup>2</sup> Up/Down/Within (ppm)	Particulates <sup>3</sup> Up/Down/Within (mg/m <sup>3</sup> )	Mercury Vapor <sup>4</sup> Within (mg/m <sup>3</sup> )	Corrective Measure Required (Yes/No)
730	Mid 70's	Calm	0.0/0.0/0.4	0.034/0.030/0.060	0.000	Background
745	Upper 70's	Calm	0.0/0.0/0.1	0.048/0.035/0.090	0.000	No
800	Upper 70's	Calm	0.0/0.0/0.2	0.042/0.041/0.065	0.000	No
815	Upper 70's	Calm	0.0/0.0/0.0	0.057/0.131/0.059	0.000	No
830	Upper 70's	Calm	0.0/0.0/0.3	0.037/0.038/0.065	0.000	No
845	Upper 70's	Calm	0.0/0.0/0.3	0.054/0.070/0.061	0.000	No
900	Upper 70's	Calm	0.0/0.0/0.0	0.045/0.055/0.077	0.000	No
915	Upper 70's	Slight NW	0.0/0.0/0.2	0.040/0.063/0.046	0.000	No
930	Upper 70's	Slight NW	0.0/0.0/0.5	0.026/0.014/0.025	0.000	No
945	Upper 70's	Calm	0.0/0.0/0.5	0.032/0.049/0.052	0.000	No
1000	Upper 70's	Calm	0.0/0.0/1.5	0.025/0.027/0.045	0.000	No
1015	Upper 70's	Slight NW	0.0/0.0/4.0	0.018/0.035/0.067	0.000	No
1030	Low 80's	Slight N	0.0/0.0/2.5	0.017/0.029/0.047	0.000	No
1045	Low 80's	Slight W	0.0/0.0/1.5	0.014/0.015/0.030	0.000	No
1100	Low 80's	Slight N	0.0/0.0/0.5	0.010/0.012/0.029	0.000	No
1115	Low 80's	Slight NW	0.0/0.0/1.4	0.016/0.015/0.043	0.000	No
1130	Low 80's	Slight NW	0.0/0.0/0.5	0.013/0.012/0.029	0.000	No
1145	Low 80's	Slight E	0.0/0.0/0.5	0.018/0.020/0.038	0.000	No
1200	Low 80's	Slight SE	0.0/0.0/0.0	0.029/0.016/0.039	0.000	No
1215	Mid 80's	SE	0.0/0.0/0.0	0.023/0.015/0.034	0.000	No
1230	Mid 80's	Е	0.0/0.0/0.0	0.045/0.026/0.054	0.000	No
1245	Mid 80's	SE	0.0/0.0/0.0	0.017/0.012/0.041	0.000	No
1300	Mid 80's	SE	0.0/0.0/0.0	0.019/0.018/0.057	0.000	No
1315	Mid 80's	SE	0.3/0.0/0.0	0.060/0.014/0.034	0.000	No
1330	Mid 80's	SE	0.0/0.0/0.0	0.019/0.015/0.050	0.000	No
1345	Mid 80's	SE	0.0/0.0/0.0	0.017/0.026/0.041	0.000	No
1415	Mid 80's	SW	0.0/0.0/0.0	0.045/0.019/0.050	0.000	No
1430	Mid 80's	W	0.0/0.0/0.0	0.017/0.051/0.065	0.000	No
1445	Mid 80's	Ε	0.0/0.0/0.0	0.090/0.018/0.120	0.000	No

#### COMMUNITY & WORKER HEALTH AND SAFETY AIR MONITORING RECORD

Client:

Pfizer Inc

Date: 7/14/2000

Project No:

04744Y02

Collected By: Kimberly Siemasko

Sampling Time <sup>1</sup>	Temperature (°F)	Wind Direction	Volatile Organic Compounds <sup>2</sup> Up/Down/Within (ppm)	Particulates <sup>3</sup> Up/Down/Within (mg/m <sup>3</sup> )	Mercury Vapor <sup>4</sup> Within (mg/m <sup>3</sup> )	Corrective Measure Required (Yes/No)
730	Mid 70's	NE	0.0/0.0/2.4	0.024/0.031/0.039	0.000	Background
745	Mid 70's	NE	0.0/0.0/2.1	0.020/0.032/0.039	0.000	No
800	Mid 70's	Slight NE	0.0/0.0/1.7	0.033/0.032/0.044	0.000	No
815	Mid 70's	Slight NE	0.0/0.8/1.6	0.042/0.035/0.049	0.000	No
830	Mid 70's	NE	0.0/0.0/0.6	0.016/0.032/0.044	0.000	No
845	Mid 70's	Slight NE	0.0/0.0/0.4	0.013/0.018/0.036	0.000	No
900	Mid 70's	Slight NE	0.0/0.0/0.1	0.053/0.015/0.032	0.000	No
915	Mid 70's	Slight NE	0.0/0.0/1.5	0.050/0.015/0.038	0.000	No
930	Mid 70's	Slight NE	0.0/0.0/0.5	0.012/0.020/0.066	0.000	No
945	Upper 70's	Slight NE	0.0/0.0/0.0	0.014/0.019/0.046	0.000	No
1000	Upper 70's	Slight NE	0.0/0.0/0.1	0.016/0.014/0.044	0.000	No
1015	Upper 70's	Slight NE	0.0/0.0/0.0	0.015/0.007/0.088	0.000	No
1030	Upper 70's	Slight NE	0.0/0.0/0.0	0.031/0.010/0.038	0.000	No
1115	Low 80's	Slight NE	0.0/0.0/0.0	0.024/0.012/0.035	0.000	No
1130	Low 80's	Slight NE	0.0/0.0/0.0	0.024/0.020/0.035	0.000	No
1145	Low 80's	Slight NE	0.0/0.0/0.0	0.020/0.020/0.053	0.000	No
1200	Low 80's	Slight NE	0.0/0.0/0.0	0.025/0.020/0.044	0.000	No
1210	Low 80's	Slight NE	0.0/0.0/0.1	0.023/0.030/0.044	0.000	No
1215	Low 80's	Slight NE	0.0/0.0/0.0	0.036/0.040/0.016	0.000	No
1230	Low 80's	Slight NE	0.0/0.0/0.0	0.036/0.040/0.016	0.000	No
1245	Low 80's	Slight NE	0.0/0.0/0.0	0.033/0.040/0.016	0.000	No
1300	Low 80's	Slight NE	0.0/0.0/0.0	0.036/0.040/0.016	0.000	No
1315	Low 80's	Slight NE	0.0/0.0/0.0	0.024/0.012/0.041	0.000	No
1330	Low 80's	Slight NE	0.0/0.0/0.5	0.024/0.016/0.041	0.000	No
1345	Low 80's	Slight NE	0.0/0.0/0.0	0.053/0.012/0.047	0.000	No

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Notes: 1.

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Air Monitoring was conducted continuously with measurements collected every 15 minutes during intrusive activties.

VOCs were monitored upwind, downwind, and within the work area.

If the vapor levels, integrated over a period of 15 minutes, was greater than 5 ppm, work activities were halted and monitoring continued under the provisions of the Vapor Emission Response Plan.

Particulates were monitored continuously upwind, downwind and within the work area. If downwind particulate levels, integrated over a period of 15 mintures, was 0.150 mg/m<sup>3</sup>

greater than upwind particulate levels, then dust suppression techniques were increased. Mercury Vapor was monitored continuously within the work area during fill material removal activities. If the vapor levels, integrated over a period of 15 minutes, was greater than 0.025 mg/m<sup>3</sup>, then dust suppression techniques were increased.

Dust suppression techniques were constantly employed during excavation via spraying water on fill material.

Upwind was generally between the excavation and Gerry Street.

Downwind was generally between the excavation and Union Avenue.

gend:	
۰F -	degrees Fahrenhieit
ppm -	parts per million
mg/m <sup>3</sup> -	milligrams/cubic meter
up -	upwind of excavation
down -	downwind of excavation
within -	within excavation
VOCs -	Volatile Organic
	Compounds
NM -	Not measured
NW -	Northwest
SE -	Southeast
E -	East
ŚW -	Southwest
' W <sub>.</sub> -	West
NE -	Northeast