NYSDEC Brownfields Application for the Hudson River Waterfront Site/DeLaval Property

Rinaldi Boulevard & Pine Street
Poughkeepsie, New York

Prepared For:

The City of Poughkeepsie
City Hall
P.O. Box 300
Poughkeepsie, New York 12602

August, 2002

CHA Project No: 11205.1001.1102

Prepared By:

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APPENDICIES

APPLICATION ATTACHMENT

NYSDEC-1996 CLEAN WATER / CLEAN AIR BOND ACT ENVIRONMENTAL RESTORATION PROJECTS-TITLE 5

Part 1

NAME OF APPLICANT (Municipality): City of Poughkeepsie, NY

TYPE OF ENVIRONMENTAL RESTORATION PROJECT: (Check one) Investigation X Remediation ___

PROJECT NAME: Hudson River Waterfront Site (DeLaval Property)

PROJECT LOCATION:STREET ADDRESS: Rinaldi Boulevard and Pine Street

CITY/TOWN: Poughkeepsie ZIP CODE: 12601 COUNTY: Dutchess

PROPERTY SIZE (acres): 13.4 LATITUDE: 73°56'26" LONGITUDE: 41°41'29"

APPLICANT CURRENTLY OWNS PROPERTY: YES X NO ___ (If yes, include proof of ownership with application)

PROPERTY IS LISTED ON NYS REGISTRY OF INACTIVE HAZARDOUS WASTE SITES: YES ___ NO X
(If yes, fill in current registry classification)
CLASSIFICATION ___

TYPE OF KNOWN OR SUSPECTED CONTAMINATION: Petroleum X Other Hazardous Substances X

PROJECT DESCRIPTION: Please attach a description of the project which includes the following components:
(Refer to Environmental Restoration Projects Procedures Handbook for detailed instructions)

- Purpose and Scope of the Project;
- Environmental History of the Property;
- Proposed Future Use of the Property;
- Estimated Project Cost;
- Other Actual or Potential Funding Sources for the Project;
- How the Project Would Satisfy the Criteria of ECL 56-0505; and
- Site Maps (USGS quad map and a property tax map)

SCHEDULE: Field work will commence within 2 months of Department approval of the application.

Part 2 (To be completed for Remediation applications only)

1. The DEC has issued a Record of Decision for the property? ☐Yes ☐No
2. Groundwater or a surface water body has been contaminated above standards. ☐Yes ☐No
   If yes, answer a, b or c below:
   - ☐ a. The influent to a public or private water supply has been contaminated or threatened.
   - ☐ b. A class A or AA surface water body, primary or principal aquifer has been contaminated without affecting an existing water supply.
   - ☐ c. Groundwater has been contaminated above standards or a surface water has been impacted.
3. A health advisory has been issued by a New York state or local health agency due to releases from the site. ☐Yes ☐No
4. Endangered, threatened or rare species, State protected streams or State regulated wetlands have been impacted by releases from the site. ☐Yes ☐No
5. Site contaminants are present in soils/waste at levels that exceed DEC Division of Environmental Remediation guidance values (DHWR TAGM 4046 or STARS Memo #1). ☐Yes ☐No
6. Property is located in a designated economic development zone or zone equivalent area. ☐Yes ☐No
7. All or part of the Property has been idle or abandoned for more than one year. ☐Yes ☐No

   If yes, indicate the percent of the total property that applies _____%

8. Municipality has a signed agreement with a private party to reuse the property once it is restored. ☐Yes ☐No
   If yes, attach a copy of the agreement.

[OVER]

9. Municipality has legally committed to a specific new public or recreational use of all or part of the property. (Public use includes, but is not limited to, public housing, daycare, education, gov't. offices, environmental centers, and museums. Recreational use includes, but is not limited to, parks, playgrounds, sports and cultural centers,and scenic vistas.) If yes, attach documentation of the legal committment and indicate below the intended use and the % of the total property area that will be devoted for that use. • Yes • No

   Intended Use: _____ (0-100%) _____

10. Municipality is aware of other funding sources for remediating the property. If yes, provide source(s) and dollar amount(s) in the attached project description. • Yes • No

11. Municipality has complied with State Environmental Quality Review Act (SEQR) regarding this action. If yes, include the determination (negative declaration or findings statement) in the attached project description and identify all involved agencies in the coordinated review. • Yes • No

Part 3

INDIVIDUAL AUTHORIZED TO SIGN APPLICATION: (Please Print)

NAME Colette M. Lafuente TITLE Mayor

MAILING ADDRESS City Hall P.O. Box 300
Poughkeepsie, New York 12602

PHONE NUMBER: (845) 451-4076 FAX NUMBER: (845) 451-4201

E-Mail: clafuente@cityofpoughkeepsie.com

CERTIFICATION: The undersigned on behalf of the applicant municipality does hereby certify that:

The Applicant has not generated, transported or disposed of, arranged for, or caused the generation, transportation or disposal of hazardous substance on that Property, and has not undertaken, and will not undertake, any indemnification obligation respecting a party responsible under law for the remediation of the Property; and

if the applicant leased such property to another party that generated, transported or disposed of, or that arranged for or caused the generation, transportation or disposal of hazardous substances on such property, the applicant did not know that such other party generated, transported or disposed of, arranged for or caused the generation, transportation or disposal of such hazardous substances or so knew and took action to remediate, or cause the remediation of such hazardous substances.

No other funding sources currently exist to undertake the project except the applicant's and those other sources identified in this application ;

All statements made for the purpose of obtaining State assistance for the proposed project either are set out in full on this application, or are set out in full in exhibits attached to this application and incorporated by this reference;

The individual whose signature appears hereon is authorized to sign this application for the applicant.

A FALSE STATEMENT MADE HEREIN IS PUNISHABLE AS A CLASS "A" MISDEMEANOR PURSUANT TO SECTION 210.45 OF THE PENAL LAW

Colette Lafuente — Signature of individual authorized to sign application

10/30/02 — Date

FOR STATE USE ONLY:

DATE RECEIVED 11/5/03 (revised app) PROJECT NO. B00190-3

DATE COMPLETE _____

DATE APPROVED _____

Rev. December 15, 1997
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City of Poughkeepsie
Hudson River Waterfront Site
Project Description

A. Project Purpose and Scope

The City of Poughkeepsie is interested in the redevelopment of the DeLaval property located on Rinaldi Boulevard in order to allow for commercial development and to provide public access to the Hudson River. A private developer is proposing to develop the site to potentially include:

- Luxury Bed and Breakfast Inn
- Sculpture Garden
- Transient Marina
- Specialty Retail Space
- Bulkhead and Walkway
- Public Boat Launch
- Office Building

The same developer will also be constructing a theme restaurant and catering facility on the adjacent City owned former waste water treatment plant property as part of the overall development of the waterfront. The development of the DeLaval property is essential to the success of the theme restaurant and catering facility.

The property is currently vacant and previous studies conducted by The Chazen Companies (Chazen) indicate that waste disposal has occurred on-site and that soils on the site are contaminated with petroleum constituents, Polycyclic Aromatic Hydrocarbon (PAH) compounds, and metals. The Phase II Subsurface Investigation of the DeLaval Property prepared by Chazen provides an evaluation of the environmental condition of the property. A copy of the referenced Phase II report is included as Appendix A of this application package.

The City plans to perform a focused feasibility study and to complete the remedy selection process through the Record of Decision using funds from the New York State Brownfield Investigation Grant which is the subject of this application. A subsequent Brownfield Remediation Grant will be requested to perform the remediation design and to implement the remedial program.

The City owns the property and will enter into a long-term lease with the developer.

B. Environmental History of the Property

The subject property is currently vacant, however, Chazen's review of historical records and other readily available information (See Section 3 of the Phase II Report) indicates

that the DeLaval property was occupied by two dwellings, a tannery, a carpenter shop, two coal sheds, and the DeLaval Separator Company dating back to 1887. Amendments to Sanborn maps indicate that sometime between 1922 and 1945, the Spoor Lasher Company occupied a storehouse on the property. The Spoor Lasher Company was a supplier of construction materials (concrete, stone, and asphalt). Additionally, Nott Manufacturing/Rose Manufacturing, producers of insecticides, may have occupied a portion of the site. The DeLaval Separator Company manufactured cream separators, milk machines and centrifuges to separate both milk and oil. They were reportedly involved in the production of automatic milk machines, rubber products and stainless steel farming goods. Copies of deeds for the property are included as Appendix B.

Chazen conducted a Phase I Environmental Site Assessment (ESA) of the DeLaval property in October of 1999. The Phase I ESA identified a number of recognized environmental conditions that required additional characterization to define the environmental liability associated with the property. Because of previous manufacturing operations on the site, the potential for soil and groundwater impacts existed. In early 2001, Chazen was then retained to perform a Phase II Subsurface Investigation program in order to define the nature and extent of potential contaminants associated with the property.

A magnetometer survey was also performed to determine if old tanks, piping and/or other anomalies were present. Soil borings, piezometer monitoring wells and test pits were installed throughout the site to determine if historical site activities had impacted soil and groundwater.

C. Proposed Future Use of the Property

As stated above, proposed future use of the property includes recreational and commercial uses including:

- Luxury, Bed and Breakfast Inn
- Sculpture Garden
- Transient Marina
- Specialty Retail Space
- Public Boat Launch
- Bulkhead and Walkway
- Office Building

The site plan included as Appendix C illustrates the proposed layout of various facilities. A summary of the proposed development, use, building size, parking, annual revenue, jobs created, and sales tax is presented in the Table below:

Improvement	Use	Building Size (Gross Sq. Ft.)	Parking Spaces Provided	Annual Revenue	Jobs Created	Sales Tax Revenue
Luxury Inn	Hotel	30,000	60	$2,000,000	30	$150,000
Office Building	Class A Office Space	25,000	84	$500,000	TBD	TBD
Specialty Retail Space	Mix of: Smaller Restaurants, Coffee Shops, Retail, and Office, etc.	30000 between two buildings	175	$8,000,000	150	$580,000
Transient Marina	50 Standard Slips, 1 Large Dock	N/A	20	N/A	5	N/A
Public Boat Launch	Boat Launch	N/A	20 DoubleVehicle & Trailer	N/A	N/A	N/A
Sculpture Garden	Public Open Space	N/A	30	N/A	N/A	N/A
Bulkhead & Walkway	Public Walkway	N/A	No Additional	N/A	N/A	N/A
Theme Restaurant /Catering Facility [1]	Restaurant, Catering	28,500	155	$8,000,000	130	$580,000
Totals:	-	**113,500**	**544**	**$18,500,000**	**315**	**$1,310,000**

[1]As stated, the theme restaurant will be constructed on the adjacent City owned former waste water treatment plant site. The success of the restaurant/catering facility is largely dependent on the successful development of the waterfront, and specifically, the DeLaval property.

The City will retain ownership of the land and plans to enter into a long-term lease agreement with a developer. The developer, Mr. Bonura, will own and maintain the buildings and other proposed facilities. The following is a brief narrative of the proposed development.

Luxury Bed and Breakfast Inn

An elegant feature of the development project will be the construction of a fifty-suite luxury inn. This feature will within a short walk of the theme restaurant/catering facility to be located on the former site of the City's old waste water treatment plant. The clientele of the catering facility, as well as Hudson Valley tourists will occupy the elegantly appointed luxury suites of this grand inn.

Sculpture Garden

The quintessential element of the DeLaval site is the river view. The sculpture garden would preserve this view by occupying a prime section of the site without any major structures. A semicircular plush lawn bordered on the west by the city-built river walk, with a connecting pier of approximately 4,000 square feet erected on pilings extending into the river would constitute this public park. The extended pier would be adjacent to the transient marina, which is discussed below. On land, the border of the sculpture

garden will be a mixture of sculptures reminiscent of historic Dutchess County and those created by local artists. The waterfront sculpture garden will be a great local venue for area artists to show their work. It is on this lawn that families can picnic by day and watch a beautiful Hudson Valley sunset by night. Park benches will allow Poughkeepsie residents and visitors to enjoy a book or simply take in the beauty of sculptures while relaxing with the sights and sounds of the historic Hudson River.

This improvement will be constructed on the north side of the public boat launch. The sculpture garden will have thirty dedicated off-street parking spaces and will share parking provided by the other DeLaval site improvements. No additional municipal utilities are required for this facility. Electrical service for nighttime safety lighting would be the only utility necessary for the Sculpture Garden. Mr. Bonura would own and maintain this public area.

Transient Marina

All of the properties on the waterfront will benefit from this 50-slip transient marina. Recreational boaters from anywhere on the Hudson River will be able to moor for a few hours or all day to enjoy the attractions on the waterfront property or to journey up the arterial to downtown Poughkeepsie. None of the boat slips will be for seasonal rental.

In addition to 50 standard-sized boat slips, the marina will boast a dock designed for large vessels. Tour boats that currently cruise the Hudson would have an additional docking site allowing other functions to take place when the Warrior Park Dock is in use. This dock offers a number of future potential uses including allowing Poughkeepsie to have its own educational or touring vessel like those out of Newburgh, and West Point. Other future uses for the marina and dock include the running of water taxies between Poughkeepsie and other Hudson River waterfront developments such as Newburgh, Cold Spring, and Beacon. Perhaps the market will show demand for romantic cruises similar to a Venetian gondola ride. Whatever the market demands, a marina equipped with a large dock will help facilitate its development.

Specialty Retail Space

Toward the center of the DeLaval site, two buildings of approximately 15,000 square feet each will house specialty retail space. Depending on tenant requirements, there will be anywhere from three to six outlets within each building. The mix of tenants envisioned for these buildings includes small, local flavor restaurants, small retail stores, and possibly some office space on the second floor. These buildings will augment the bond between the river and Main Street Poughkeepsie since it is here that current local storeowners and entrepreneurs can add an annex or new facility to bolster their existing City of Poughkeepsie venues.

One hundred parking spaces will be provided for these buildings. Municipal water and sewer will be required. Mr. Bonura will own these buildings and lease the retail space to independent vendors.

Office Building

A 25,000 sq. foot *(two - three story)* office building will be constructed on the north side of the Sculpture Garden. This building will offer its tenants Class-A office space as well as an incredible view of the Hudson. Eighty-four parking spaces will be provided for this building.

Public Boat Launch

A public boat launch will be constructed at the southern end of the DeLaval site. This facility will be publicly available to Hudson Valley boaters, allowing another location from which to embark on a cruise of the Hudson. Twenty additional double sized (to accommodate both vehicle and trailer) parking spaces will be needed for this public facility. Mr. Bonura would maintain the boat launch.

Bulkhead and Walkway

The City will construct a 12-foot wide public river walk that will run along the river for the length of the site. The bulkhead and walkway design is nearly complete. The river walk will include period lighting and benches.

Theme Restaurant/Catering Facility (To be Constructed on the Adjacent Waste Water Treatment Plant Site)

A building of approximately 28,500 square feet will house a large theme restaurant and catering facility. The dining areas will be on the second floor of this two-story complex so as to maximize the view of the historic Hudson River while preserving a continuous river walk for passersby. A veranda of approximately 5,000 square feet will serve as an outdoor dining area as well as an area for social hours during catered events. The restaurant will accommodate approximately 200 guests inside with additional seating on the veranda. The catering facility will accommodate approximately 200 guests.

The first floor of the complex will be divided by a large open walkway, creating an enclosed promenade with prime retail space on either side. The architecture of this building will draw from the historic mansions of Dutchess County. Red brick and elegant verandas are only two of the eye-catching features that will make this theme restaurant the "talk of the Hudson Valley."

Municipal water and sewer will be required. This facility will be owned and operated by Mr. Bonura. The City will retain ownership of the land, and plans to enter into a long-term lease with Mr. Bonura.

D. Estimated Project Cost

Estimated project costs are summarized in the table below:

Item	Estimated Cost
Remedial Alternatives Work Plan	$3,500
Focused Feasibility Study	$22,000
Citizen Participation Plan	$4,500
Total	**$30,000**

E. Opportunity for Other Funding Sources

There are no other funding sources available to the City at this time.

F. Environmental Conservation Law (ECL) 56-0505 Criteria

The Environmental Conservation Law (ECL) 56-0505 lists four criteria that are used to prioritize brownfield projects. The following is a brief discussion of how the project addresses each criteria.

1. Benefit to the Environment

The project provides a direct benefit to the environment because the site will be addressed under the brownfield remediation process. Source areas for contaminants (including an abandoned pipeline that potentially contains oil) are anticipated to be removed. Other areas of potential soil contamination may be cleaned up or capped with a soil cover that will reduce the potential for exposure to site contaminants.

2. Economic Benefit to the State

In addition to the value brought to the State from the environmental cleanup and redevelopment of the property, the project provides several economic benefits to the state. These include:

- Business tax and sales tax revenue from the proposed restaurant, catering business, bed and breakfast, specialty retail, and office space
- Increased property values and associated tax revenues that may occur as a result of the development
- Approximately 315 jobs will be created when the waterfront is fully developed. The state will gain from the personal state income tax from these jobs.

Although some of the factors above are difficult to estimate, the overall anticipated economic benefit to the state from sales tax revenue is anticipated to be on the order of $1.3 million per year.

3. Potential Opportunity for Public Recreational Purposes

The proposed development includes public access to the Hudson River, a marina, and boat launch, sculpture garden and river walkway as well as adequate parking to allow easy access to the river. This project provides a significant public recreational facility that will attract the public to the site for boating and other recreational uses.

4. Opportunity for Other Funding Sources

See Item E above. There are no other funding sources available to the City at this time.

Appendix A

Phase II Environmental Site Assessment Report

Phase II Subsurface Investigation

DeLaval Property
Rinaldi Boulevard
Poughkeepsie, New York

May 2001

THE
Chazen
COMPANIES

Prepared for:

The City of Poughkeepsie
Municipal Building
P.O. Box 300
Poughkeepsie, New York 12602

Phase II Subsurface Investigation

DeLaval Property
Rinaldi Boulevard
Poughkeepsie, New York

May 2001

THE
Chazen
COMPANIES

Prepared by:

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Figures

Appendices

EXECUTIVE SUMMARY

The Chazen Companies (TCC) conducted a Phase I Environmental Site Assessment (ESA) in October of 1999 of the property known as the DeLaval property for a private developer who was working with the City of Poughkeepsie. The Phase I ESA identified a number of recognized environmental conditions that required additional characterization to define the environmental liability associated with the property. The site was previously used for manufacturing purposes and the potential for soil and groundwater impacts existed. A Phase II Subsurface Investigation was required to define the nature and extent of the potential environmental problems associated with the property.

Several tasks were identified, focusing on whether historical activities had adversely impacted soil and/or groundwater at the site. A magnetometry investigation was conducted to determine if old tanks, piping and/or any other anomalies were present. Soil borings, piezometer monitoring wells and test pits were installed throughout the site to determine if historical site activities had impacted soil and/or groundwater quality. Samples were obtained from soil borings, piezometer wells and test pit locations and submitted for laboratory analysis. Representative soil samples were submitted for laboratory analysis according to EPA Methods 8021, 8270, Volatiles TCL, Semi-volatiles TCL, RCRA Metals, and Cyanide. Samples were selected based on field screening results and visual observations.

The findings of the investigation identified four areas with potential environmental issues. These are: 1) an industrial landfill along the southern boundary; 2) an area of petroleum-impacted soil and groundwater in the central portion of the site that parallels the Hudson, 3) an area of petroleum-impacted soils located in the northeastern portion of the property (this site may be an extension of the petroleum-impacts found adjacent to the Hudson) and 4) an area adjacent to the former Paint Shop.

At almost every test pit or boring advanced on the property, miscellaneous construction and demolition debris including brick, concrete slabs, tires, utility tunnels and other miscellaneous fill material of unknown origin were encountered. It is possible that when the site was abandoned, the buildings were knocked down and buried in place and covered with fill.

A portion of the southern portion of the site contains crushed drums, chemical residue, discarded or flawed industrial products, metal pipes, automobile parts, construction and demolition debris, trash and wooden railroad tiles. Conversations

with a former DeLaval worker identified this region as an area that was used to dispose industrial waste products.

The primary contaminant was petroleum related. There were heavy metal compounds found throughout the site but at levels that would not be unexpected considering the industrial history of the facility. Soil samples taken from the four areas indicated that semi-volatile compounds characteristic of a heavier fuel oil or cutting oil were present above the NYSDEC soil cleanup guidance values. Benzene was detected in test pit TP-19, at levels that exceeded the NYSDEC cleanup criteria; TP-19 is located in the industrial waste disposal area. Benzene is characteristic of gasoline, not fuel oil.

The petroleum impacts are at actionable levels. Although metals were found at levels that exceeded the NYSDEC's soil cleanup guidance values listed in TAGM 4046, remediation of the metal impacts is not anticipated. The metal impacted soil is buried deeply below the ground surface and exposure routes are non-existent. Additionally, the levels of metals found in the soil samples are not inconsistent with those found in other city environments.

Buried organic debris and/or construction/residential debris may be unsuitable for construction purposes and could require removal during construction and replacement with construction grade fill. The construction and demolition debris could be crushed and reworked into suitable construction grade fill.

This report outlines the methods and findings of the investigation. This report includes a description of each task conducted, a description of the conditions encountered during the investigation, analytical data, study results, boring logs, and a location map showing the parcel investigated in this study.

1.0 INTRODUCTION

The Chazen Companies, Inc. (TCC), on behalf of the City of Poughkeepsie (City), have conducted a Phase II Subsurface Investigation of the DeLaval property located at the end of Rinaldi Boulevard, City of Poughkeepsie, New York. The purpose of the investigation was to determine if historical use of the property had adversely impacted soil and/or groundwater quality at the site.

The Subsurface Investigation conformed to the extent physically possible with the scope of work outlined in TCC's proposal to the City dated November 20, 2000, and approved on November 29, 2000. Substantially more tests pits were required than originally anticipated due to the nature, magnitude and extent of the problems encountered during the assessment.

2.0 SITE DESCRIPTION

2.1 Site Description

The site consists of an approximate 13.4-acre parcel located on the northern side of Pine Street in Poughkeepsie, New York. The parcel is bounded on the east side by Con Rail Corporation train tracks, to the north by the former City of Poughkeepsie Sewage Treatment Plant and to the west by the Hudson River (Figure 1). The site is identified as TAX ID #31-6061-43-752749 on the City of Poughkeepsie, Dutchess County Tax Maps (Figure 2). According to the United State Geological Survey (USGS) Poughkeepsie, New York Quadrangle Map (Figure 1), the site lies at an approximate elevation of approximately 4 feet above mean sea level (msl), sloping gently westward towards the Hudson River.

The DeLaval property is currently a vacant lot. The site is mainly unpaved and almost entirely covered by grass. The main gate to the property is on the northeast side of the site, at the foot of Rinaldi Boulevard and Pine Street. A gravel road transverses the property, from north to south along the eastern edge of the site, parallel to the railroad tracks.

2.2 Site Geology

Bedrock in the area has been mapped as the Trenton Group and Metamorphic equivalents. These rocks are described as the Taconic Melange, which is a chaotic mixture of Early Cambrian through Middle Ordivician pebble to block-size clasts in a pelitic matrix of Middle Ordovician (Barneveld) age.

The Dutchess County Soil Conservation Survey (SCS) lists Udorthents, smoothed (0 to 8 percent slopes) soil series as being present on the subject property. These soils are described as very deep, somewhat excessively drained to moderately well drained soils that have been altered by cutting and filling.

The surficial deposits encountered during test pitting support the presumption that the site is underlain by fill. Construction debris consisting of concrete, asphalt, bricks, metal piping, garbage, and debris were encountered during soil excavation activities. The fill material was approximately 2 feet to approximately 11 feet bgs.

2.3 Site Groundwater and/or Water Well Data

Groundwater movement is often related to topography, lithology, elevation of recharge and discharge areas, and man-made influences. Referenced groundwater elevations have been determined for the site by measuring the monitoring well top of casing relative to mean sea level, measuring the water level in the monitoring well referenced from the top of the casing, and computing the elevation of the ground water at the time of the measurement.

The average static depth to ground water at the site ranged from approximately 5 to 7 feet bgs on the DeLaval property, however, groundwater elevation fluctuations are likely a function of tidal changes associated with the Hudson River. Realistic evaluation of groundwater flow and movement was not determined as part of this assessment. Extreme variations in water levels were observed over short periods of time. The fluctuations were directly correlated to changes in the river elevation. Additional long-term water level assessment would be required to evaluate net flow conditions beneath the site.

3.0 ENVIRONMENTAL HISTORY

Review of historical maps and other readily available information indicates that the DeLaval property was occupied by two dwellings, a tannery, a carpenter shop and two coal sheds as well as the DeLaval Separator Company as early as 1887. Amendments to Sanborn maps indicate, that sometime between 1922 and 1945, Spoor Lasher Company occupied a storehouse on the property. Spoor Lasher Company was a supplier of construction materials (concrete, stone, asphalt). Additionally, Nott Manufacturing/Rose Manufacturing, producers of insecticides, may have occupied a portion of the site. The DeLaval Separator Company was involved in the manufacturing of cream separators, milk machines and centrifuges to separate both milk and oil. They were reportedly involved in the production of automatic milk machines, rubber products and stainless steel farming goods. The property is currently vacant.

4.0 FIELD INVESTIGATION

Subsurface investigation and other site evaluation activities were conducted at the subject property on December 5 & 6, 2000. The Underground Facilities Protection Organization (UFPO) was contacted for a site utilities mark-out prior to the start of the investigation. An independent utility locator was needed to mark out the high voltage lines to the east and south of the maintenance building. UFPO constrains its mark-outs to public roadways and utility right of ways.

4.1 Health and Safety Plan

The site-specific health and safety plan was developed prior to site mobilization. The health and safety plan focused on the intended investigation methods and potential hazards associated with working in the study area. A copy of this Health and Safety Plan is included as Appendix A. Prior to entering the site and conducting subsurface investigations, the Underground Facilities Protection Organization (UFPO) was called to mark out the underground utilities on-site. UFPO would not mark out the utilities in the interior portions of the property so an independent mark-out service (Pro-Mark, Inc.) was contacted to locate the utilities within the property boundaries.

4.2 Magnetometry Survey

A hand-held magnetometer was used on-site to evaluate the existence of potentially buried underground storage tanks or any other anomalies. This investigation was conducted prior to the occurrence of any intrusive activities at the subject property. Field data was collected along a regularly spaced grid system. Based on the survey, it was determined that numerous magnetic anomalies were present throughout the site. The site was essentially riddled with metallic objects and plots of the data were meaningless. This assumption was confirmed during test pit installation and the visual observation of miscellaneous metal pipes and conduits, miscellaneous scrap iron, construction debris, brick, concrete slab, bottles, roofing materials and wooden railroad ties. Additionally, a set of buried train tracks was found running through the center of the site. The anomaly created by the train tracks was so large that it masked smaller magnetic anomalies within 50 to 100 feet of the tracks. To the extent practical, test pits were excavated in areas where significant magnetic anomalies were encountered, with the exception of the region surrounding the train tracks.

4.3 Test Pit Investigation

TCC selected test pit locations based on topographic features, magnetic anomaly regions and the general layout of the parcel. We had initially anticipated installing approximately 40 test pits but conditions encountered in the field dictated that additional test pits were necessary to dimension the nature and extent of the problems encountered in the field. A total of one hundred and nineteen (119) test pits were installed to determine if historical site conditions had impacted soil and/or groundwater quality at the site. Test pit locations are shown on Figure 3 and test pit logs are included in Appendix B.

GAP Excavating and Grading of Highland, New York advanced the test pits using a Komatsu PC 2000 Excavator between December 7 through 26, 2000. A Chazen geologist observed the test pitting activities, performed field screening, maintained the field log and collected representative samples as warranted. Test pits were excavated to depths up to fourteen (14) feet below ground surface (bgs). In some cases, the test pits were terminated due to the presence of concrete slabs, bedrock refusal or visual observations, such as the discovery of an old oil conduit that contained some residual product. Groundwater was encountered throughout the site at an approximate depth of 5 to 7 feet below ground surface.

A TCC field geologist screened the soils in the field with a PID for the presence of VOCs. The field screening did not detect the presence of volatile organics; however, a strong odiferous petroleum odor was detected in numerous test pits across the site including TP-2, TP-3, TP-4, TP-6, and TP-13, which were located in the former industrial landfill area and TP 32, TP-40, TP-46, TP-47, TP-48, TP-49, TP-53, TP-54, TP-62, TP-63, TP-64, TP-67, TP-68, TP-71, TP-72, TP-73, TP-76, TP-77, TP-86, TP-87, TP-89 and TP-90, located in areas were petroleum bulk storage occurred or along petroleum distribution lines or utility tunnels. Some isolated pockets of what appeared to be crushed coal were observed in TP-54, TP-63, TP-68 and TP-82. A strong odiferous solvent type odor was detected in TP-103, TP-104, TP-107, TP-108, TP-109, TP-110 and TP-111, which were located near the former paint shop.

Groundwater was encountered at shallow depth across much of the site. Visible petroleum sheens were observed in test pits TP-46, TP-47, TP-48, TP-49, TP-53, TP-54, TP-62 and TP-89. A six-inch metal pipe was found in test pit TP-54 running from the loading dock on the Hudson River (west) to the east. The pipe appeared to contain weathered #4 or #6 fuel oil.

Soil samples were taken from select test pits and representative samples were sent to a NYSDOH ELAP certified laboratory. Soil samples were selectively analyzed for volatile organic compounds (VOCs) via EPA Method 8021 and/or 8260, semi-volatile

organics via EPA Method 8270, and RCRA Metals. A sample of the product collected from test pit TP-54 was submitted to York Analytical Laboratories for fingerprint analysis.

4.4 Confirmatory Borings/Monitoring Well Installation

Twenty-eight (28) soil borings, seventeen (17) of which were converted to monitoring wells (MW-1 through MW-17), were installed using a track mounted Geoprobe rig. The location of the borings and piezometers are shown on Figure 3. Soil samples were collected continuously at four-foot intervals and the borings were extended at least until the shallow groundwater table was encountered.

TCC screened the soil samples on-site during drilling for volatile organic compounds (VOCs) using a photoionization detector (PID). Prior to use, the PID was calibrated using 100 parts per million (ppm) isobutylene standard. The screening procedure consisted of placing a relatively uniform volume of soil into a zip-lock bag, sealing and then shaking the bag to enhance volatilization. The probe of the PID was inserted into the bag through a small opening and the concentration of VOCs in the headspace above the soil sample was read. This method is qualitative and the readings are not compound specific. None of the soil samples exhibited elevated concentrations of VOCs, which suggested that that the observed petroleum staining and odors were the result of heavier fraction hydrocarbons that do not volatize readily.

Soil samples from select borings were collected from the soil/water interface and analyzed for volatile organic compounds (VOCs) via EPA Method 8021 STARS, semi-volatile organics via EPA Method 8270 (Base Neutrals Only), and RCRA Metals via TCLP. Analytical results are discussed in Section 5.0 and the results are included in Appendix C of this report.

4.5 Monitoring Well Sampling

Monitoring wells were installed in seventeen of the borings. These wells were constructed of one-inch diameter Schedule 40 PVC. The wells were developed to improve hydraulic contact with the formation. Between five and ten gallons of water was removed from the well during purging and development.

Confirmatory groundwater samples were obtained from the wells and sent to a NYSDOH ELAP certified laboratory. The samples were analyzed for oil and gasoline range compounds using EPA Methods STARS 8021 (VOCs) and/or 8260 and 8270 (SVOCs), respectively. The wells were also surveyed to facilitate

determination of groundwater flow conditions at the site. The results of the ground water sampling event described in Section 5

5.0RESULTS

5.1 Test Pit Analytical Results

The dimensions of the impacted soils are outlined on Figure 4. Four distinct areas were identified as a result of visual and laboratory confirmation.

Industrial Landfill Area

The materials encountered in the test pits varied but were primarily man-made fill material mixed with sand and gravel containing varying percentages of silt and clay. The man-made fill consisted mainly of concrete slab, boulders, brick, trash, numerous discarded industrial products from DeLaval, glass, clay pipe, unidentified slag-like material with a slight sulfur odor and other construction debris. Empty 55-gallon badly weathered or rusted drums and drum carcasses were observed in test pit TP-7 and 9. Other isolated pockets of construction debris and/or refuse were encountered in the test pits at the southern portion of the site (TP-1 through TP-16). Organic debris and/or industrial/manufacturing debris was also encountered in this area.

The material encountered in the waste burial zone may be unsuitable fill or sub-base material for construction purposes. This buried industrial waste material is also mixed with petroleum compounds and is likely to require remediation under NYSDEC guidelines. The impacted area covers approximately 1.5 acres.

Representative samples from the industrial landfill area were collected for laboratory analysis from TP-1, TP-2, TP-5, TP-7, TP-12, TP-15, TP-18, TP-19, TP-11, and TP-28.The samples collected from the test pits TP-1, TP-12, TP-15, TP-18, and TP-19 were submitted for volatile organic compounds via EPA Method 8021 List. Samples taken from TP-2, and TP-7 were submitted for volatile organic analysis according to EPA Method 8260. TP-1, TP-15 and TP-19 were submitted for EPA Method 8270 for semi-volatiles. Soil samples collected from test pits TP-2, TP-5, TP-7, TP-12, TP-18 and TP-28 were analyzed for RCRA Metals via TCLP. The samples were selected based on PID readings, olfactory and/or visual observations. The test pit sampling results are summarized in Table 1 and the laboratory report is included in Appendix C.

Soil samples collected from TP-2, TP-5, TP-7 TP-12, TP-18 and TP-28 were analyzed for RCRA Metals via TCLP. Review of the laboratory data indicates that Lead and

Mercury was detected in the soil samples collected from test pits TP-5, TP-7, TP-12, TP-18 and TP-28. Cadmium was detected in the soil samples collected from TP-2 and TP-7.

Review of the EPA Method 8021 and/or 8260 analytical results for the test pit samples, indicates that no volatile organic compounds above the laboratory reporting limit were detected in the soil samples collected from test pits TP-1, or TP-18. Volatile organic compounds were detected in the soil samples collected from TP-7, TP-15 and TP-19 however, Benzene was the only compound detected in TP-19 (160 ug/kg) above NYSDEC Soil Cleanup Objectives. The remaining compounds detected were below NYSDEC Soil Cleanup Objectives list in TAGM 4046. None of the VOCs were chlorinated solvents or their breakdown products.

Semi-volatile organic compounds detected in the soil sampled collected from TP-2 above NYSDEC Soil Cleanup Objectives included Benzo [a] anthracene (2,400 ug/kg), Benzo [a] pyrene (7,100 ug/kg), Benzo [b] fluoranthene (2,900 ug/kg), Benzo [k] fluoranthene (3,200 ug/kg), Chrysene (2,800 ug/kg), Fluoranthene (2,600 ug/kg), and Pyrene (2,600 ug/kg).

Semi-volatile organic compounds detected in the soil sampled collected from TP-5 above NYSDEC Soil Cleanup Objectives included Benzo [a] anthracene (430 ug/kg), Benzo [a] pyrene (1,200 ug/kg), Benzo [b] fluoranthene (500 ug/kg), Benzo [k] fluoranthene (550 ug/kg). Chrysene (450 ug/kg), Fluoranthene (620 ug/kg), and Pyrene (540 ug/kg) were detected; however, these concentrations fall below NYSDEC Soil Cleanup Objectives.

Semi-volatile organic compounds detected in the soil sampled collected from TP-7 above NYSDEC Soil Cleanup Objectives included Benzo [a] pyrene (2,600 ug/kg), Benzo [b] fluoranthene (1,900 ug/kg), Benzo [g, h, I] perylene (1,900 ug/kg), Benzo [k] fluoranthene (2,100 ug/kg), Fluoranthene (1,700 ug/kg), Indeno [1,2,3-cd] pyrene (1,700 ug/kg), and Pyrene (2,000 ug/kg).

Semi-volatile organic compounds detected in the soil sampled collected from TP-12 above NYSDEC Soil Cleanup Objectives included Benzo [a] anthracene (610 ug/kg), Benzo [a] pyrene (630 ug/kg), Benzo [b] fluoranthene (500 ug/kg), Benzo [k] fluoranthene (550 ug/kg), and Chrysene (690 ug/kg). Fluoranthene and Pyrene were detected in the soil sample collected from test pit TP-12 at 590 ug/kg and 910 ug/kg, respectively. These compounds were detected at concentrations below NYSDEC soil guidance values.

Semi-volatile organic compounds detected in the soil sampled collected from TP-15 above NYSDEC Soil Cleanup Objectives included Benzo [a] anthracene (1,700

region. The odor may have been related to used paint or degraded petroleum products.

5.2 Confirmatory Boring Results

Soil borings were installed during the course of this investigation to facilitate the installation of groundwater monitoring points. Wells were usually installed in the locations where impacts were observed. Confirmatory samples from SB-1, SB-8, MW-3, MW-5, MW-9 and MW-12 were collected during the investigation. Soils samples from SB-1, SB-8 and MW-9 were analyzed for RCRA metals via TCLP. Results indicate the presence of Barium, Lead and Mercury. Cadmium was only detected in the soil sample collected from MW-3. Soil samples collected from MW-5, MW-9 and MW-12 were analyzed for volatile and semi-volatile organics according to EPA Method 8021 and 8270 STARS, respectively.

Several gasoline range compounds were encountered in the soil sample collected from MW-5. These compounds included: Isopropylbenzene (150 ug/kg), n-Propylbenzene (26 ug/kg), n-Butylbenzene (47 ug/kg), p-Isopropyltoluene (51 ug/kg), sec-Butylbenzene (44 ug/kg), tert-Butylbenzene (16 ug/kg), Toluene (10 ug/kg) and Xylene (24ppb), were all detected; however, p-Isopropylbenzene was the only compound to exceed the NYSDEC soil guidance values.

Several gasoline range compounds were encountered in the soil sample collected from MW-12. These compounds included: 1,24-Trimethylbenzene (5 ug/kg), 1,3,5-Trimethylbenzne (5 ug/kg), and Isopropylbenzene (9 ug/kg); however, none of these concentrations exceed the NYSDEC soil guidance values.

Several gasoline range compounds were encountered in the soil sample collected from MW-9. These compounds included: 1,24-Trimethylbenzene (13 ug/kg), 1,3,5-Trimethylbenzne (10 ug/kg), Isopropylbenzene (16 ug/kg), Xylenes (86 ug/kg), sec-Butylbenzene (15 ug/kg), and Toluene (12 ug/kg); however, none of these concentrations exceed the NYSDEC soil guidance values.

Several fuel oil range compounds were encountered in the soil sample collected from MW-5. These compounds included: Acenaphthene (740 ug/kg), Chrysene (1,200 ug/kg), Fluorene (800 ug/kg) and Pyrene (490 ug/kg). Acenaphthene and Chrysene did exceed NYSDEC soil guidance values. Semi-volatile organic compounds were not detected above the laboratory-reporting limit in any of the other samples. It should be noted that the method detection limit (MDL) in the soil sample collected from MW-9 was above the recommended MDL for the EPA Method 8270 methodology. Based on the laboratories MDL, the lowest possible detection limit for

many of the compounds was 1,700 ug/kg. These results therefore do not indicate that the soil in MW-9 meets soil guidance values.

The soil boring sampling results are summarized in Table 2 and the laboratory report is included in Appendix C.

5.3 Shallow Groundwater Monitoring Well Results

Groundwater was free of impacts, based on visual observations with the exception of groundwater in those areas where free product was encountered. The groundwater impacts were not widely distributed and appeared to be concentrated in those areas where the soils were significantly impacted with petroleum.

Groundwater samples were taken from monitoring wells MW-1 through MW-17 and sent to a NYSDOH ELAP certified laboratory and analyzed for gasoline and oil range compounds. No sample was submitted from MW-12, as the well was dry. Some fuel oil and gasoline range compounds were detected above NYS groundwater quality standards in two of the groundwater wells.

Several gasoline range compounds were encountered in MW-3. These compounds included: Napthalene (79 ppb), and 1,2,4-Trimethylbenzene were detected at levels that exceed the NYS groundwater quality standards (6 NYCRR Part 703).

1,2,4-Trimethylbenzene was the only compound detected at levels that exceed the NYS groundwater quality standards (6 NYCRR Part 703) in MW-9. The well sampling results are summarized in Table 3 and the laboratory report is included in Appendix C.

6.0 SUMMARY AND CONCLUSIONS

6.1 Summary

The results of the magnetometry, test pit and soil boring investigations revealed the past industrial history of the DeLaval property. The impacts are limited to four main areas of the site. An old industrial landfill in the southern portion of the site, two areas of oil impacts in the central portion of the site and finally the former paint shop area. Each of these has impacts associated with it; however, with the exception of some areas where free product was observed, impacts to groundwater were limited.

The problems seemed to be limited primarily to the on-site soils. The problems manifest in two different arenas. Large quantities of old foundations, evidence of

refuse dumping, tires, construction and demolition debris, scrap iron, automobile parts, metal and clay pipes, unidentified slag-like debris, crushed drums and other industrial waste products were found throughout the site.

The groundwater investigation indicated petroleum impacts; however, the concentrations in groundwater did not reflect the observations and analytical data observed in the soils. Groundwater mitigation is not likely to be a major component of any remediation scenario but any free product encountered during remediation or construction activities should be contained and controlled.

6.2 Nature and Extent of Contamination

The Industrial Landfill

The materials encountered in the test pits dug on the southern side of the DeLaval site varied. There was evidence that this area of the property was used for the disposal of scrap and waste material generated during manufacturing activity. Crushed drums and waste milking machine components were found in addition to concrete slabs and brick, boulders, brick, household trash, glass, clay pipe, unidentified slag-like material with a slight sulfur odor and other construction debris. Empty 55-gallon weathered drums were observed in test pit TP-7 and 9.

The industrial landfill area was probably a depression that was filled over time. It is suspected that the petroleum products observed in this area were generated as part the manufacturing process. Petroleum compounds were found at actionable levels in the industrial landfill area. Visually impacted soils are defined in Figure 4. The boundaries are conservatively drawn, however, similar observations were made in many of the test pits in this region. In some cases petroleum-impacted soils were not encountered but scrap material like used tires, junk machinery and car parts and other waste materials were identified. Some materials consistent with putrescible wastes were found at various locations in the landfill area. The impacted area probably covers less than 1.5 acres.

Benzene was the only volatile organic compound identified in the soil samples taken from the landfill area above the action levels. It is commonly associated with gasoline but is a component of paints and is used straight as a solvent. Semi-volatile organic compounds were identified at levels above NYSDEC soil guidance values (Figure 4). These compounds are commonly associated with heavier petroleum hydrocarbons such as cutting or fuel oil.

Levels of certain heavy metals were encountered in several locations throughout the site. This part of Poughkeepsie was once heavily industrialized. The elevated

levels of heavy metals identified during this investigation can be tied to its past use. Mercury is commonly found in switches and fluorescent lighting expected in a factory environment. Mercury is also occasionally associated with switch manufacturing, metal working and electroplating activities. Cadmium is commonly found in Ni-Cd batteries, electroplating processes and photoelectric cells. These heavy metals can also be found in unburned and burned coal residue, which was observed in numerous locations.

Petroleum Spill Areas

Petroleum impacts were found throughout the site but were concentrated in two regions of the central portion of the site; one along the River and the other inland (Figure 4). Test pits in these areas were observed to contain miscellaneous construction debris, brick, asphalt, concrete slab, tires, old appliances metal pipes, and concrete utility vaults. Most notably in this areas were the obvious stained and odiferous soils prevalent at the soil water interface. Because this area is tidally influenced the impacted area is spread across the tidal zone.

Underground or aboveground storage tanks were not identified in these regions. The likely source of the petroleum compounds was either industrial practices (cutting oil spills) or an old abandoned tank or tanks that have been removed from the site or buried elsewhere and not located during this investigation. The most significant impacts were identified in an area adjacent to the river where an apparent loading station was identified. A six-inch pipe containing a heavy fuel oil was traced from the loading station to an old foundation area. The pipe was full of weathered #4 or #6 fuel oil.

Two areas of petroleum-impacted soil were found in the central portion of the site (Figure 4). Soils observed in the test pits were visually stained and had a noticeable petroleum odor. Samples taken from TP-49, TP-58, and TP-89 were submitted for VOC analysis using EPA Method 8021 and for SVOCs using EPA Method 8270. The samples were selected based on PID readings, olfactory and/or visual observations. The test pit sampling results are summarized in Table 1 and the laboratory report is included in Appendix C.

Review of the EPA Method 8021 and/or 8270 analytical results for the test pit samples, indicates that no VOCs above the laboratory reporting limit were detected in the soil samples taken from TP-49. Trichloroethylene was detected in TP-58 at 10 ppb, which well below the NYSDEC's Soil Cleanup Guidance Value listed in TAGM 4046. Trimethylbenzene (1,2,4-TMB) was encountered at 6 ppb in TP-89, also below the actionable levels.

Semi-volatiles were encountered in these test pits. Visual field observations indicate the soils were heavily stained. Petroleum sheen was also observed on the groundwater in this test pit.

Paint Shop Area

Semi-volatile organic compounds detected in the soil sampled collected from TP-101 above NYSDEC Soil Cleanup Objectives included Anthracene (400 ug/kg), Benzo [a] anthracene (1,200 ug/kg), Benzo [a] pyrene (2,300 ug/kg), Benzo [b] fluoranthene (900 ug/kg), Benzo (g, h,I) perylene (430 ug/kg), Benzo [k] fluoranthene (1,200 ug/kg), Chrysene (1,300 ug/kg), Fluoranthene (2,500 ug/kg), Phenanthrene (1,400 ug/kg) and Pyrene (2,300 ug/kg). No chlorinated solvents were encountered in the samples taken from this area; however, there was a strong solvent like odor observed in this region. The odor may have been related to discarded paints or degraded petroleum products.

TABLE 1.0
City of Poughkeepsie
DeLaval Property
Test Pit Analytical Data

Parameter	DLTP-TP5-4	DLTP-TP2-7	DLTP-TP7
Semi-Volatiles			
1,2,4-Trichlorobenzene	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
1,2-Dichlorobenzene	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
1,3-Dichlorobenzene	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
1,4-Dichlorobenzene	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
2,4-Dinitrotoluene	ND @ 330 ug/Kg	ND @ 4,000 ug/Kg	ND @ 4,000 ug/Kg
2,6-Dinitrotoluene	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
2-Chloronaphthalene	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
2-Methylnaphthalene	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
2-Nitroanaline	ND @ 330 ug/Kg	ND @ 4,000 ug/Kg	ND @ 4,000 ug/Kg
3-3'-Dichlorobenzidine	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
3-Nitroanaline	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
4-Bromophenyl phenyl ehter	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
4-Chloroanaline	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
Chlorphenyl phenyl ether	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
4-Nitroanaline	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
Aceaphthene	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
Acenaphthylene	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
Anthracene	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
Benzo(a)anthracene	430	2,400	ND @ 1,700 ug/Kg
Benzo(a)pyrene	1,200	7,100	2,600
Benzo(b)flouranthene	500	2,900	1,900
Benzo(g,h,I)perylene	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	1,900
Benzo(k)flouranthene	550	3,200	2,100
Bis(2-chloroethoxy)methane	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
Bis(2-chloroethyl)ether	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg.
Bis(2-chloroisopropyl)ether	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
Bis(2-ethylhexyl)phthalate	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
Butyl benzyl phthalate	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
Chrysene	450	2,800	1,700
Dibenzo(a,h)anthracene	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
Dibenzofuran	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
Diethylphthalate	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
Dimethylphthalate	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
Di-n-butylphthalate	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
Di-n-octylphthalate	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
Flouranthene	620	2,600	2,600
Flourene	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
Hexachlorobenzene	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
Hexachlorobutadiene	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
Hexachlorocylcopentadiene	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
Hexachloroethane	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
Indeno(1,2,3-cd)pyrene	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	1,700
Isophorone	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
Napthalene	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
Phenanthrene	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	ND @ 1,700 ug/Kg
Pyrene	540	2,600	2,000

DEC Recommended Cleanup Limit

224
61
1,100
61
1100

400

50,000

50,000

TABLE 1.0
City of Poughkeepsie
DeLaval Property
Test Pit Analytical Data

Parameter	DLTP-TP5-4	DLTP-TP2-7	DLTP-TP7
Volatiles			
Nitrosodiphenylamine	NA	NA	NA
Phenanthrene	NA	NA	NA
Pyrene	NA	NA	NA
,1,2-Tetrachloroethane	NA	NA	NA
,1,1-Trichloroethane	ND @ 25 ug/Kg	ND @ 25 ug/Kg	ND @ 50 ug/Kg
1,2,2-Tetrachloroethane	ND @ 25 ug/Kg	ND @ 25 ug/Kg	ND @ 50 ug/Kg
1,12-Trichloroethane	ND @ 25 ug/Kg	ND @ 25 ug/Kg	ND @ 50 ug/Kg
1,1-Dichloroethane	ND @ 25 ug/Kg	ND @ 25 ug/Kg	ND @ 50 ug/Kg
1,1-Dichloroethylene	ND @ 25 ug/Kg	ND @ 25 ug/Kg	ND @ 50 ug/Kg
1,1-Dichloropropylene	ND @ 25 ug/Kg	ND @ 25 ug/Kg	ND @ 50 ug/Kg
2,3-Trichlorobenzene	ND @ 25 ug/Kg	ND @ 25 ug/Kg	ND @ 50 ug/Kg
2,3-Trichloropropane	NA	NA	NA
1,2,3-Trimethylbenzene	NA	NA	NA
1,2,4-Trichlorobenzene	NA	NA	NA
2,4-Trimethylbenzene	NA	NA	NA
Dibromo-3-chloropropane	NA	NA	NA
1,2-Dibromoehtane	NA	NA	NA
1,2-Dichlorobenzene	NA	NA	NA
1,2-Dichloroethane	NA	NA	NA
2-Dichloroethylene (Total)	NA	NA	NA
Dichloropropane	NA	NA	NA
Trimethylbenzene	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	NA
1,3-Dichloropropane	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	NA
1-Chlorhexane	NA	NA	NA
2,2-Dichloropropane	NA	NA	NA
2-Chlorotoluene	NA	NA	NA
4-Chlorotoluene	NA	NA	NA
Benzene	NA	NA	NA
Bromobenzene	NA	NA	NA
Bromochloromethane	NA	NA	NA
romodichloromethane	NA	NA	NA
Bromoform	NA	NA	NA
Bromomethane	NA	NA	NA
Carbon tetrachloride	NA	NA	NA
Chlorbenzene	NA	NA	490
Chlorethane	NA	NA	NA
Chlorform	NA	NA	NA
Chlormethane	NA	NA	NA
s-1,3-Dichorpropylene	NA	NA	NA
Dibromochloromethane	NA	NA	NA
Dibromomethane	NA	NA	NA
chlorodifluoromethane	NA	NA	NA
Ethylbenzene	NA	NA	NA
Hexachlorobutadiene	NA	NA	NA

TABLE 1.0
City of Poughkeepsie
DeLaval Property
Test Pit Analytical Data

Parameter	DLTP-TP5-4	DLTP-TP2-14	DLTP-TP7
Isopropylbenzene	NA	NA	NA
Methylene chloride	NA	NA	NA
Naphthalene	NA	NA	NA
n-Butylbenzene	NA	NA	NA
n-Propylbenzene	NA	NA	NA
o-Xylene	ND @ 25 ug/Kg	ND @ 25 ug/Kg	ND @ 25 ug/Kg
p-&m- Xylenes	ND @ 25 ug/Kg	ND @ 25 ug/Kg	490
p-Isopropyltoluene	NA	NA	NA
sec-Butylbenzene	NA	NA	NA
Styrene	ND @ 25 ug/Kg	ND @ 25 ug/Kg	ND @ 50 ug/Kg
tert-Butylbenzene	NA	NA	NA
Tetrachloroethylene	ND @ 25 ug/Kg	ND @ 25 ug/Kg	ND @ 50 ug/Kg
Toluene	ND @ 25 ug/Kg	ND @ 25 ug/Kg	ND @ 50 ug/Kg
ans-1,3-Dichloropropylene	NA	NA	NA
trichloroethylene	NA	NA	NA
richlorofluoromethane	NA	NA	NA
Vinyl chloride	ND @ 25 ug/Kg	ND @ 25 ug/Kg	ND @ 100 ug/Kg
Methyl-tert-butyl-ether	ND @ 25 ug/Kg	ND @ 25 ug/Kg	ND @ 50 ug/Kg
Total Xylenes	ND @ 25 ug/Kg	ND @ 25 ug/Kg	490*
Parameter	DLTP-TP5-4	DLTP-TP2-14	DLTP-TP7
Metals			
TCLP Arsenic	ND @ 0.010	ND @ 0.010	ND @ 0.010
TCLP Barium	1.17	0.868	0.755
TCLP Cadmium	ND @ 0.005	0.009	0.006
TCLP Chromium	0.01	ND @ 0.005	ND @ 0.005
TCLP Lead	0.149	0.34	0.405
TCLP Selenium	ND @ 0.010	ND @ 0.010	ND @ 0.010
TCLP Silver	ND @ 0.005	ND @ 0.005	ND @ 0.005
TCLP Mercury	0.0031	0.0012	0.0015
Total Cyanide	NA	NA	ND @ 1.0 mg/kg

TABLE 1.0
City of Poughkeepsie
DeLaval Property
Test Pit Analytical Data

Parameter	DLTP-TP15-9	DLTP-TP19-7/8	DLTP-TP12-9	DLTP-TP1-3	DLTP-TP18-8
Semi-Volatiles					
,4-Trichlorobenzene	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA	NA
2-Dichlorobenzene	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA	NA
-Dichlorobenzene	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA	NA
-Dichlorobenzene	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA	NA
2,4-Dinitrotoluene	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA	NA
,6-Dinitrotoluene	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA	NA
Chloronaphthalene	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA	NA
-Methylnaphthalene	ND @ 1,700 ug/Kg	7900 ug/L ?	NA	NA	NA
2-Nitroanaline	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA	NA
'-Dichlorobenzidine	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA	NA
3-Nitroanaline	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA	NA
omophenyl phenyl eht	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA	NA
4-Chloroanaline	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA	NA
orphenyl phenyl eth	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA	NA
4-Nitroanaline	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA	NA
Aceaphthene	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA	NA
Acenaphthylene	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA	NA
Anthracene	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA	NA
Benzo(a)anthracene	1,700	ND @ 3,300 ug/Kg	610	NA	NA
zo(a)pyrene	1,900	ND @ 3,300 ug/Kg	630	NA	NA
)flouranthene	1,800	ND @ 3,300 ug/Kg	500	NA	NA
enzo(g,h,i)perylene	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA	NA
Benzo(k)flouranthene	1,600	ND @ 3,300 ug/Kg	550	NA	NA
chloroethoxy)metha	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA	NA
(2-chloroethyl)ether	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA	NA
(2-chloroisopropyl)eth	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA	NA
s(2-ethylhexyl)phthalat	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA	NA
tyl benzyl phthalate	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA	NA
Chrysene	2,000	ND @ 3,300 ug/Kg	690	NA	NA
Dibenzo(a,h)anthracene	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA	NA
Dibenzofuran	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA	NA
Diethylphthalate	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA	NA
Dimethylphthalate	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA	NA
Di-n-butylphthalate	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA	NA
Di-n-octylphthalate	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA	NA
Flouranthene	3,000	ND @ 3,300 ug/Kg	980	NA	NA
Flourene	ND @ 1,700 ug/Kg	3,500	NA	NA	NA
Hexachlorobenzene	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA	NA
Hexachlorobutadiene	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA	NA
achlorocylcopentadie	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA	NA
Hexachloroethane	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA	NA
deno(1,2,3-cd)pyrene	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA	NA
Isophorone	ND @ 1,700 ug/Kg	ND @ 3,300 ug/Kg	NA	NA	NA
Napthalene	ND @ 1,700 ug/Kg	3,300	NA	NA	NA
Phenanthrene	3,900	ND @ 3,300 ug/Kg	590	NA	NA
Pyrene	2,700	ND @ 3,300 ug/Kg	910	NA	NA

36.4 ppm

50 ppm

13 ppm

TABLE 1.0
City of Poughkeepsie
DeLaval Property
Test Pit Analytical Data

Parameter	DLTP-TP15-9	DLTP-TP19-7/8	DLTP-TP12-9	DLTP-TP1-3	DLTP-TP18-8
Volatiles					
itrosodiphenylamine	NA	NA	NA	NA	NA
Phenanthrene	NA	NA	NA	NA	NA
Pyrene	NA	NA	NA	NA	NA
,2-Tetrachloroethan	NA	NA	NA	NA	NA
,1-Trichloroethane	NA	NA	NA	NA	NA
,2,2-Tetrachloroethan	NA	NA	NA	NA	NA
12-Trichloroethane	NA	NA	NA	NA	NA
,1-Dichloroethane	NA	NA	NA	NA	NA
1-Dichloroethylene	NA	NA	NA	NA	NA
1,1-Dichloropropylene	NA	NA	NA	NA	NA
,3-Trichlorobenzene	NA	NA	NA	NA	NA
,3-Trichloropropane	NA	NA	NA	NA	NA
,2,3-Trimethylbenzene	NA	NA	NA	NA	NA
2,4-Trichlorobenzene	NA	NA	NA	NA	NA
,4-Trimethylbenzene	51 ug/Kg	15 ug/Kg	NA	D @ 5.0 ug/	D @ 5.0 ug/Kg
romo-3-chloroprop	NA	NA	NA	NA	NA
1,2-Dibromoehtane	NA	NA	NA	NA	NA
2-Dichlorobenzene	NA	NA	NA	NA	NA
,2-Dichloroethane	NA	NA	NA	NA	NA
-Dichloroethylene (Tot	NA	NA	NA	NA	NA
1,2-Dichloropropane	NA	NA	NA	NA	NA
,5-Trimethylbenzene	ND @ 5.0 ug/Kg	13 ug/Kg	NA	D @ 5.0 ug/	D @ 5.0 ug/Kg
3-Dichlorobenzene	NA	NA	NA	NA	NA
1,3-Dichloropropane	NA	NA	NA	NA	NA
4-Dichlorobenzene	NA	NA	NA	NA	NA
1-Chlorhexane	NA	NA	NA	NA	NA
2,2-Dichloropropane	NA	NA	NA	NA	NA
2-Chlorotoluene	NA	NA	NA	NA	NA
4-Chlorotoluene	NA	NA	NA	NA	NA
Benzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg	NA	D @ 5.0 ug/	D @ 5.0 ug/Kg
Bromobenzene	NA	NA	NA	NA	NA
Bromochloromethane	NA	NA	NA	NA	NA
omodichloromethane	NA	NA	NA	NA	NA
Bromoform	NA	NA	NA	NA	NA
Bromomethane	NA	NA	NA	NA	NA
Carbon tetrachloride	NA	NA	NA	NA	NA
Chlorbenzene	NA	NA	NA	NA	NA
Chlorethane	NA	NA	NA	NA	NA
Chlorform	NA	NA	NA	NA	NA
Chlormethane	NA	NA	NA	NA	NA
-1,3-Dichorpropylene	NA	NA	NA	NA	NA
Dibromochloromethane	NA	NA	NA	NA	NA
Dibromomethane	NA	NA	NA	NA	NA
chlorodifluoromethan	NA	NA	NA	NA	NA
Ethylbenzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg	NA	D @ 5.0 ug/	D @ 5.0 ug/Kg
Hexachlorobutadiene	NA	NA	NA	NA	NA

TABLE 1.0
City of Poughkeepsie
DeLaval Property
Test Pit Analytical Data

Parameter	DLTP-TP15-9	DLTP-TP19-7/8	DLTP-TP12-9	DLTP-TP1-3	DLTP-TP18-8
propylbenzene	ND @ 1 ug/Kg	18 ug/Kg	NA	D @ 5.0 ug/	D @ 5.0 ug/Kg
hylene chloride	NA	NA	NA	NA	NA
Naphthalene	ND @ 1 ug/Kg	ND @ 5.0 ug/Kg	NA	D @ 5.0 ug/	6 ug/Kg
n-Butylbenzene	20 ug/Kg	84 ug/Kg	NA	D @ 5.0 ug/	D @ 5.0 ug/Kg
Propylbenzene	14 ug/Kg	6 ug/Kg	NA	D @ 5.0 ug/	D @ 5.0 ug/Kg
o-Xylene	ND @ 2 ug/Kg	ND @ 10 ug/Kg	NA	D @ 10 ug/K	D @ 10 ug/Kg
p-&m- Xylenes	ND @ 2 ug/Kg	ND @ 10 ug/Kg	NA	D @ 10 ug/K	D @ 10 ug/Kg
Isopropyltoluene	ND @ 1 ug/Kg	12 ug/Kg	NA	D @ 5.0 ug/	D @ 5.0 ug/Kg
c-Butylbenzene	ND @ 1 ug/Kg	9 ug/Kg	NA	D @ 5.0 ug/	D @ 5.0 ug/Kg
Styrene	NA	NA	NA	NA	NA
ert-Butylbenzene	9 ug/Kg	5 ug/Kg	NA	D @ 5.0 ug/	D @ 5.0 ug/Kg
achloroethylene	NA	NA	NA	NA	NA
Toluene	ND @ 1 ug/Kg	ND @ 5.0 ug/Kg	NA	D @ 5.0 ug/	D @ 5.0 ug/Kg
1,3-Dichloropropyle	NA	NA	NA	NA	NA
trichloroethylene	NA	NA	NA	NA	NA
orofluoromethane	NA	NA	NA	NA	NA
Vinyl chloride	NA	NA	NA	NA	NA
ethyl-tert-butyl-ether	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg	NA	D @ 5.0 ug/	D @ 5.0 ug/Kg
Total Xylenes	ND @ 10 ug/Kg	ND @ 10 ug/Kg	NA	D @ 5.0 ug/	D @ 5.0 ug/Kg
Parameter	DLTP-TP15-9	DLTP-TP19-7/8	DLTP-TP12-9	DLTP-TP1-3	DLTP-TP18-8
		Metals			
P Arsenic	NA	NA	ND @ 0.010	NA	ND @ 0.010
P Barium	NA	NA	1.45	NA	1.02
CLP Cadmium	NA	NA	0.012	NA	ND @ 0.005
TCLP Chromium	NA	NA	ND @ 0.005	NA	ND @ 0.005
TCLP Lead	NA	NA	0.526	NA	0.425
CLP Selenium	NA	NA	ND @ 0.010	NA	ND @ 0.010
TCLP Silver	NA	NA	ND @ 0.005	NA	ND @ 0.010
TCLP Mercury	NA	NA	0.0053	NA	0.0064

TABLE 1.0
City of Poughkeepsie
Deaval Property
Test Pit Analytical Data

Parameter	DLTP-TP49-6	DLTP-TP58-6	DLTP-TP89-6
1,2,4-Trichlorobenzene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
1,2-Dichlorobenzene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
1,3-Dichlorobenzene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
1,4-Dichlorobenzene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
2,4-Dinitrotoluene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
2,6-Dinitrotoluene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
2-Chloronaphthalene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
2-Methylnaphthalene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
2-Nitroanaline	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
3-3'-Dichlorobenzidine	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
3-Nitroanaline	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
romophenyl phenyl ehter	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
4-Chloroanaline	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
4-Chlorphenyl phenyl ether	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
4-Nitroanaline	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Aceaphthene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Acenaphthylene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Anthracene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Benzo(a)anthracene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Benzo(a)pyrene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Benzo(b)flouranthene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Benzo(g,h,I)perylene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Benzo(k)flouranthene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Bis(2-chloroethoxy)methane	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Bis(2-chloroethyl)ether	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
s(2-chloroisopropyl)ether	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
is(2-ethylhexyl)phthalate	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Butyl benzyl phthalate	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Chrysene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Dibenzo(a,h)anthracene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Dibenzofuran	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Diethylphthalate	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Dimethylphthalate	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Di-n-butylphthalate	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Di-n-octylphthalate	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Flouanthene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Flourene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Hexachlorobenzene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Hexachlorobutadiene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
exachlorocylcopentadiene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Hexachloroethane	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Indeno(1,2,3-cd)pyrene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Isophorone	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Napthalene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Nitrobenzene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
N-Nitrosodi-n-propylamine	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
N-Nitrosodiphenylamine	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Phenanthrene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg
Pyrene	ND @ 330 ug/Kg	ND @ 6600 ug/Kg	ND @ 330 ug/Kg

TABLE 1.0
City of Poughkeepsie
Deaval Property
Test Pit Analytical Data

Volatiles 8021 List			
Parameter	DLTP-TP49-6	DLTP-TP58-6	DLTP-TP89-6
1,1,2-Tetrachloroethane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
1,1,1-Trichloroethane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
,1,2,2-Tetrachloroethane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
1,12-Trichloroethane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
1,1-Dichloroethane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
1,1-Dichloroethylene	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
1,1-Dichloropropylene	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
1,2,3-Trichlorobenzene	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
1,2,3-Trichloropropane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
1,2,3-Trimethylbenzene	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
1,2,4-Trichlorobenzene	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
1,2,4-Trimethylbenzene	ND @ 5.0 ug/Kg	5 ug/Kg	6 ug/Kg
-Dibromo-3-chloropropane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
1,2-Dibromoehtane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
1,2-Dichlorobenzene	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
1,2-Dichloroethane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
1,2-Dichloroethylene (Total)	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
1,2-Dichloropropane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
1,3,5-Trimethylbenzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
1,3-Dichlorobenzene	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
3-Dichloropropane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
-Dichlorobenzene	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
1-Chlorhexane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
2,2-Dichloropropane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
2-Chlorotoluene	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
4-Chlorotoluene	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
Benzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
Bromobenzene	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
Bromochloromethane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
Bromodichloromethane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
Bromoform	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
Bromomethane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
Carbon tetrachloride	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
Chlorbenzene	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
Chlorethane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
Chlorform	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
Chlormethane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
cis-1,3-Dichorpropylene	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
Dibromochloromethane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
Dibromomethane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
Dichlorodifluoromethane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
Ethylbenzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
Hexachlorobutadiene	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg

TABLE 1.0
City of Poughkeepsie
Deaval Property
Test Pit Analytical Data

Parameter	DLTP-TP49-6	DLTP-TP58-6	DLTP-TP89-6
Isopropylbenzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
Methylene chloride	ND @ 5.0 ug/Kg	32	ND @ 5.0 ug/Kg
Naphthalene	170	23	ND @ 5.0 ug/Kg
n-Butylbenzene	ND @ 5.0 ug/Kg	34	ND @ 5.0 ug/Kg
n-Propylbenzene	ND @ 5.0 ug/Kg	5 m	ND @ 5.0 ug/Kg
o-Xylene	ND @ 5.0 ug/Kg	7	ND @ 5.0 ug/Kg
p-&m- Xylenes	ND @ 5.0 ug/Kg	13	ND @ 5.0 ug/Kg
p-Isopropyltoluene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
sec-Butylbenzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
Styrene	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
tert-Butylbenzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
Tetrachloroethylene	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
Toluene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
ans-1,3-Dichloropropylene	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
trichloroethylene	ND @ 5.0 ug/Kg	10	ND @ 5.0 ug/Kg
Trichlorofluoromethane	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
Vinyl chloride	ND @ 5.0 ug/Kg	NA	ND @ 5.0 ug/Kg
Methyl-tert-butyl-ether	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
Total Xylenes	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg

N/A - Not Analyzed

TABLE 1.0
City of Poughkeepsie
DeLaval Property
Test Pit Analytical Data

Parameter	DLTP-TP101	DLTP-TP-104
1,2,4-Trichlorobenzene	ND @ 330 ug/Kg	ND @ 330 ug/Kg
1,2-Dichlorobenzene	ND @ 330 ug/Kg	ND @ 330 ug/Kg
1,3-Dichlorobenzene	ND @ 330 ug/Kg	ND @ 330 ug/Kg
1,4-Dichlorobenzene	ND @ 330 ug/Kg	ND @ 330 ug/Kg
2,4-Dinitrotoluene	ND @ 330 ug/Kg	ND @ 330 ug/Kg
2,6-Dinitrotoluene	ND @ 330 ug/Kg	ND @ 330 ug/Kg
2-Chloronaphthalene	ND @ 330 ug/Kg	ND @ 330 ug/Kg
2-Methylnaphthalene	ND @ 330 ug/Kg	ND @ 330 ug/Kg
2-Nitroanaline	ND @ 330 ug/Kg	ND @ 330 ug/Kg
3-3'-Dichlorobenzidine	ND @ 330 ug/Kg	ND @ 330 ug/Kg
3-Nitroanaline	ND @ 330 ug/Kg	ND @ 330 ug/Kg
4-Bromophenyl phenyl ehter	ND @ 330 ug/Kg	ND @ 330 ug/Kg
4-Chloroanaline	ND @ 330 ug/Kg	ND @ 330 ug/Kg
4-Chlorphenyl phenyl ether	ND @ 330 ug/Kg	ND @ 330 ug/Kg
4-Nitroanaline	ND @ 330 ug/Kg	ND @ 330 ug/Kg
Aceaphthene	ND @ 330 ug/Kg	ND @ 330 ug/Kg
Acenaphthylene	ND @ 330 ug/Kg	ND @ 330 ug/Kg
Anthracene	**400**	ND @ 330 ug/Kg
Benzo(a)anthracene	**1,200**	ND @ 330 ug/Kg
Benzo(a)pyrene	**2,300**	ND @ 330 ug/Kg
Benzo(b)flouranthene	**900**	ND @ 330 ug/Kg
Benzo(g,h,I)perylene	**430**	ND @ 330 ug/Kg
Benzo(k)flouranthene	**1,200**	ND @ 330 ug/Kg
Bis(2-chloroethoxy)methane	ND @ 330 ug/Kg	ND @ 330 ug/Kg
Bis(2-chloroethyl)ether	ND @ 330 ug/Kg	ND @ 330 ug/Kg
Bis(2-chloroisopropyl)ether	ND @ 330 ug/Kg	ND @ 330 ug/Kg
Bis(2-ethylhexyl)phthalate	ND @ 330 ug/Kg	ND @ 330 ug/Kg
Butyl benzyl phthalate	ND @ 330 ug/Kg	ND @ 330 ug/Kg
Chrysene	**1,300**	ND @ 330 ug/Kg
Dibenzo(a,h)anthracene	ND @ 330 ug/Kg	ND @ 330 ug/Kg
Dibenzofuran	ND @ 330 ug/Kg	ND @ 330 ug/Kg
Diethylphthalate	ND @ 330 ug/Kg	ND @ 330 ug/Kg
Dimethylphthalate	ND @ 330 ug/Kg	ND @ 330 ug/Kg
Di-n-butylphthalate	ND @ 330 ug/Kg	ND @ 330 ug/Kg
Di-n-octylphthalate	ND @ 330 ug/Kg	ND @ 330 ug/Kg
Flouanthene	**2,500**	ND @ 330 ug/Kg
Flourene	ND @ 330 ug/Kg	ND @ 330 ug/Kg
Hexachlorobenzene	ND @ 330 ug/Kg	ND @ 330 ug/Kg
Hexachlorobutadiene	ND @ 330 ug/Kg	ND @ 330 ug/Kg
Hexachlorocylcopentadiene	ND @ 330 ug/Kg	ND @ 330 ug/Kg
Hexachloroethane	ND @ 330 ug/Kg	ND @ 330 ug/Kg
Indeno(1,2,3-cd)pyrene	ND @ 330 ug/Kg	ND @ 330 ug/Kg
Isophorone	ND @ 330 ug/Kg	ND @ 330 ug/Kg
Napthalene	ND @ 330 ug/Kg	ND @ 330 ug/Kg
Nitrobenzene	ND @ 330 ug/Kg	ND @ 330 ug/Kg
N-Nitrosodi-n-propylamine	ND @ 330 ug/Kg	ND @ 330 ug/Kg
N-Nitrosodiphenylamine	ND @ 330 ug/Kg	ND @ 330 ug/Kg
Phenanthrene	ND @ 330 ug/Kg	ND @ 330 ug/Kg
Pyrene	**2,300**	ND @ 330 ug/Kg

TABLE 1.0
City of Poughkeepsie
DeLaval Property

	Test Pit Analytical Data	
Parameter	DLTP-TP101	DLTP-TP-104
Volatiles 8260 List		
1,1,1,2-Tetrachloroethane	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
1,1,1-Trichloroethane	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
1,1,2,2-Tetrachloroethane	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
1,12-Trichloroethane	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
1,1-Dichloroethane	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
1,1-Dichloroethylene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
1,1-Dichloropropylene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
1,2,3-Trichlorobenzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
1,2,3-Trichloropropane	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
1,2,3-Trimethylbenzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
1,2,4-Trichlorobenzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
1,2,4-Trimethylbenzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
1,2-Dibromo-3-chloropropane	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
1,2-Dibromoehtane	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
1,2-Dichlorobenzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
1,2-Dichloroethane	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
1,2-Dichloroethylene (Total)	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
1,2-Dichloropropane	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
1,3,5-Trimethylbenzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
1,3-Dichlorobenzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
1,3-Dichloropropane	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
1,4-Dichlorobenzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
1-Chlorhexane	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
2,2-Dichloropropane	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
2-Chlorotoluene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
4-Chlorotoluene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
Benzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
Bromobenzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
Bromochloromethane	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
Bromodichloromethane	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
Bromoform	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
Bromomethane	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
Carbon tetrachloride	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
Chlorbenzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
Chlorethane	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
Chlorform	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
Chlormethane	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
cis-1,3-Dichorpropylene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
Dibromochloromethane	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
Dibromomethane	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
Dichlorodifluoromethane	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
Ethylbenzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
Hexachlorobutadiene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg

TABLE 1.0
City of Poughkeepsie
DeLaval Property

	Test Pit Analytical Data	
Parameter	DLTP-TP101	DLTP-TP-104
Isopropylbenzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
Methylene chloride	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
Naphthalene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
n-Butylbenzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
n-Propylbenzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
o-Xylene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
p-&m- Xylenes	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
p-Isopropyltoluene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
sec-Butylbenzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
Styrene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
tert-Butylbenzene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
Tetrachloroethylene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
Toluene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
trans-1,3-Dichloropropylene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
trichloroethylene	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
Trichlorofluoromethane	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
Vinyl chloride	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
Methyl-tert-butyl-ether	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg
Total Xylenes	ND @ 5.0 ug/Kg	ND @ 5.0 ug/Kg

TABLE 1.0
City of Poughkeepsie
DeLaval Property
Test Pit Analytical Data

Parameter	TP-89
1,2,4-Trichlorobenzene	ND @ 33,000 ug/Kg
1,2-Dichlorobenzene	ND @ 33,000 ug/Kg
1,3-Dichlorobenzene	ND @ 33,000 ug/Kg
1,4-Dichlorobenzene	ND @ 33,000 ug/Kg
2,4-Dinitrotoluene	ND @ 33,000 ug/Kg
2,6-Dinitrotoluene	ND @ 33,000 ug/Kg
2-Chloronaphthalene	ND @ 33,000 ug/Kg
2-Methylnaphthalene	ND @ 33,000 ug/Kg
2-Nitroanaline	ND @ 170,000 ug/Kg
3-3'-Dichlorobenzidine	ND @ 33,000 ug/Kg
3-Nitroanaline	ND @ 170,000 ug/Kg
4-Bromophenyl phenyl ehter	ND @ 33,000 ug/Kg
4-Chloroanaline	ND @ 33,000 ug/Kg
4-Chlorphenyl phenyl ether	ND @ 33,000 ug/Kg
4-Nitroanaline	ND @ 170,000 ug/Kg
Aceaphthene	ND @ 33,000 ug/Kg
Acenaphthylene	ND @ 33,000 ug/Kg
Anthracene	ND @ 33,000 ug/Kg
Benzo(a)anthracene	ND @ 33,000 ug/Kg
Benzo(a)pyrene	ND @ 33,000 ug/Kg
Benzo(b)flouranthene	ND @ 33,000 ug/Kg
Benzo(g,h,I)perylene	ND @ 33,000 ug/Kg
Benzo(k)flouranthene	ND @ 33,000 ug/Kg
Bis(2-chloroethoxy)methane	ND @ 33,000 ug/Kg
Bis(2-chloroethyl)ether	ND @ 33,000 ug/Kg
Bis(2-chloroisopropyl)ether	ND @ 33,000 ug/Kg
Bis(2-ethylhexyl)phthalate	ND @ 33,000 ug/Kg
Butyl benzyl phthalate	ND @ 33,000 ug/Kg
Chrysene	ND @ 33,000 ug/Kg
Dibenzo(a,h)anthracene	ND @ 33,000 ug/Kg
Dibenzofuran	ND @ 33,000 ug/Kg
Diethylphthalate	ND @ 33,000 ug/Kg
Dimethylphthalate	ND @ 33,000 ug/Kg
Di-n-butylphthalate	ND @ 33,000 ug/Kg
Di-n-octylphthalate	ND @ 33,000 ug/Kg
Flouanthene	ND @ 33,000 ug/Kg
Flourene	ND @ 33,000 ug/Kg
Hexachlorobenzene	ND @ 33,000 ug/Kg
Hexachlorobutadiene	ND @ 33,000 ug/Kg
Hexachlorocylcopentadiene	ND @ 33,000 ug/Kg
Hexachloroethane	ND @ 33,000 ug/Kg
Indeno(1,2,3-cd)pyrene	ND @ 33,000 ug/Kg
Isophorone	ND @ 33,000 ug/Kg
Napthalene	ND @ 33,000 ug/Kg
Nitrobenzene	ND @ 33,000 ug/Kg
N-Nitrosodi-n-propylamine	ND @ 33,000 ug/Kg

TABLE 1.0
City of Poughkeepsie
DeLaval Property
Test Pit Analytical Data

Parameter	TP-89
N-Nitrosodiphenylamine	ND @ 33,000 ug/Kg
Phenanthrene	ND @ 33,000 ug/Kg
Pyrene	ND @ 33,000 ug/Kg

N/A - Not Analyzed

TABLE 2.0
City of Poughkeepsie
DeLaval Property
Soil Boring Analytical Data

Parameter	COP-SB1-6	COP-SB8-4	COP-MW5-8	COP-MW9-10	COP-MW@-8	COP-MW12-5
			Semi-Volatiles			
Acenaphthene	NA	NA	740	ND @ 1,700 ug/Kg	NA	ND @ 330 ug/Kg
Anthracene	NA	NA	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	NA	ND @ 330 ug/Kg
Benzo(a)anthracene	NA	NA	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	NA	ND @ 330 ug/Kg
Benzo(a)pyrene	NA	NA	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	NA	ND @ 330 ug/Kg
Benzo(b)flouranthene	NA	NA	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	NA	ND @ 330 ug/Kg
Benzo(g,h,I)perylene	NA	NA	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	NA	ND @ 330 ug/Kg
Benzo(k)flouranthene	NA	NA	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	NA	ND @ 330 ug/Kg
Chyrsene	NA	NA	1,200	ND @ 1,700 ug/Kg	NA	ND @ 330 ug/Kg
Dibenz(a,h)anthracene	NA	NA	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	NA	ND @ 330 ug/Kg
Fluoranthene	NA	NA	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	NA	ND @ 330 ug/Kg
Fluroene	NA	NA	800	ND @ 1,700 ug/Kg	NA	ND @ 330 ug/Kg
Indeno(1,2,3-cd)pyrene	NA	NA	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	NA	ND @ 330 ug/Kg
Napthalene	NA	NA	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	NA	ND @ 330 ug/Kg
Phenanthrene	NA	NA	ND @ 330 ug/Kg	ND @ 1,700 ug/Kg	NA	ND @ 330 ug/Kg
Pyrene	NA	NA	490	ND @ 1,700 ug/Kg	NA	ND @ 330 ug/Kg
Parameter	COP-SB1-6	COP-SB8-4	COP-MW5-8	COP-MW9-10	COP-MW3-8	COP-MW12-5
			Volatile			
1,2,4-Trimethylbenzene	NA	NA	5	13	NA	5
1,3,5-Trimethylbenzene	NA	NA	5	10	NA	5
Benzene	NA	NA	ND @ 10 ug/Kg	ND @ 10 ug/Kg	NA	ND @ 5.0 ug/Kg
Ethylbenzene	NA	NA	ND @ 10 ug/Kg	ND @ 10 ug/Kg	NA	ND @ 5.0 ug/Kg
Isopropylbenzene	NA	NA	150	16	NA	9
MTBE	NA	NA	ND @ 10 ug/Kg	ND @ 10 ug/Kg	NA	ND @ 5.0 ug/Kg
Naphthalene	NA	NA	ND @ 10 ug/Kg	ND @ 10 ug/Kg	NA	ND @ 5.0 ug/Kg
n-Butylbenzene	NA	NA	47	ND @ 10 ug/Kg	NA	ND @ 5.0 ug/Kg
n-Propylbenzene	NA	NA	26	ND @ 10 ug/Kg	NA	ND @ 5.0 ug/Kg
o-Xylene	NA	NA	ND @ 10 ug/Kg	ND @ 10 ug/Kg	NA	ND @ 10 ug/Kg
p- & m-Xylene	NA	NA	24	86	NA	ND @ 10 ug/Kg
p-Isopropylbenzene	NA	NA	51	ND @ 10 ug/Kg	NA	ND @ 5.0 ug/Kg
sec-Butylbenzene	NA	NA	44	15	NA	ND @ 5.0 ug/Kg
tert-Butylbenzene	NA	NA	16	ND @ 10 ug/Kg	NA	ND @ 5.0 ug/Kg
Toluene	NA	NA	10	12	NA	ND @ 5.0 ug/Kg
Total Xylenes	NA	NA	24	86	NA	ND @ 5.0 ug/Kg
Parameter	COP-SB1-6	COP-SB8-4	COP-MW5-8	COP-MW9-10	COP-MW3-8	COP-MW9-10
TCLP Arsenic	ND @ 0.010	ND @ 0.010	NA	NA	ND @ 0.010	NA
TCLP Barium	0.955	0.647	NA	NA	0.654	NA
TCLP Cadmium	ND @ 0.005	ND @ 0.005	NA	NA	ND @ 0.005	NA
TCLP Chromium	ND @ 0.005	ND @ 0.005	NA	NA	0.015	NA
TCLP Lead	0.028	0.953	NA	NA	0.032	NA
TCLP Selenium	ND @ 0.010	ND @ 0.010	NA	NA	ND @ 0.010	NA
TCLP Silver	ND @ 0.005	ND @ 0.005	NA	NA	ND @ 0.005	NA
TCLP Mercury	0.0063	0.0066	NA	NA	0.0056	NA
Total Cyanide	NA	NA	NA	NA	NA	NA

TABLE 3.0
City of Poughkeepsie
DeLaval Property
Ground Water Analytical Data

Parameter	COP-MW-1	COP-MW-2	COP-MW-3	COP-MW-4
1,2,4-Trichlorobenzene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
1,2-Dichlorobenzene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
1,3-Dichlorobenzene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
1,4-Dichlorobenzene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
2,4-Dinitrotoluene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
2,6-Dinitrotoluene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
2-Chloronaphthalene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
2-Methylnaphthalene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
2-Nitroanaline	ND @ 10 ug/L	N/D at 50 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
3-3'-Dichlorobenzidine	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
3-Nitroanaline	ND @ 10 ug/L	N/D at 50 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
4-Bromophenyl phenyl ehter	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
4-Chloroanaline	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
4-Chlorphenyl phenyl ether	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
4-Nitroanaline	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Aceaphthene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Acenaphthylene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Anthracene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Benzo(a)anthracene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Benzo(a)pyrene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Benzo(b)flouranthene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Benzo(g,h,l)perylene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Benzo(k)flouranthene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Bis(2-chloroethoxy)methane	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Bis(2-chloroethyl)ether	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Bis(2-chloroisopropyl)ether	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Bis(2-ethylhexyl)phthalate	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Butyl benzyl phthalate	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Chrysene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Dibenzo(a,h)anthracene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Dibenzofuran	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Diethylphthalate	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Dimethylphthalate	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Di-n-butylphthalate	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Di-n-octylphthalate	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Flouanthene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Flourene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Hexachlorobenzene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Hexachlorobutadiene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Hexachlorocylcopentadiene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Hexachloroethane	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Indeno(1,2,3-cd)pyrene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Isophorone	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Napthalene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Nitrobenzene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
N-Nitrosodi-n-propylamine	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L

TABLE 3.0
City of Poughkeepsie
DeLaval Property
Ground Water Analytical Data

Parameter	COP-MW-1	COP-MW-2	COP-MW-3	COP-MW-4
N-Nitrosodiphenylamine	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Phenanthrene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Pyrene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
1,1,1,2-Tetrachloroethane	N/A	ND @ 1 ug/L	N/A	N/A
1,1,1-Trichloroethane	N/A	ND @ 1 ug/L	N/A	N/A
1,1,2,2-Tetrachloroethane	N/A	ND @ 1 ug/L	N/A	N/A
1,12-Trichloroethane	N/A	ND @ 1 ug/L	N/A	N/A
1,1-Dichloroethane	N/A	ND @ 1 ug/L	N/A	N/A
1,1-Dichloroethylene	N/A	ND @ 1 ug/L	N/A	N/A
1,1-Dichloropropylene	N/A	ND @ 1 ug/L	N/A	N/A
1,2,3-Trichlorobenzene	N/A	ND @ 1 ug/L	N/A	N/A
1,2,3-Trichloropropane	N/A	ND @ 1 ug/L	N/A	N/A
1,2,3-Trimethylbenzene	N/A	ND @ 1 ug/L	N/A	N/A
1,2,4-Trichlorobenzene	N/A	ND @ 1 ug/L	N/A	N/A
1,2,4-Trimethylbenzene	ND @ 1 ug/L	15 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
1,2-Dibromo-3-chloropropane	N/A	ND @ 1 ug/L	N/A	N/A
1,2-Dibromoehtane	N/A	ND @ 1 ug/L	N/A	N/A
1,2-Dichlorobenzene	N/A	ND @ 1 ug/L	N/A	N/A
1,2-Dichloroethane	N/A	ND @ 1 ug/L	N/A	N/A
1,2-Dichloroethylene (Total)	N/A	ND @ 1 ug/L	N/A	N/A
1,2-Dichloropropane	N/A	ND @ 1 ug/L	N/A	N/A
1,3,5-Trimethylbenzene	ND @ 1 ug/L	4 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
1,3-Dichlorobenzene	N/A	ND @ 1 ug/L	N/A	N/A
1,3-Dichloropropane	N/A	ND @ 1 ug/L	N/A	N/A
1,4-Dichlorobenzene	N/A	ND @ 1 ug/L	N/A	N/A
1-Chlorhexane	N/A	ND @ 1 ug/L	N/A	N/A
2,2-Dichloropropane	N/A	ND @ 1 ug/L	N/A	N/A
2-Chlorotoluene	N/A	ND @ 1 ug/L	N/A	N/A
4-Chlorotoluene	N/A	ND @ 1 ug/L	N/A	N/A
Benzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
Bromobenzene	N/A	ND @ 1 ug/L	N/A	N/A
Bromochloromethane	N/A	ND @ 1 ug/L	N/A	N/A
Bromodichloromethane	N/A	ND @ 1 ug/L	N/A	N/A
Bromoform	N/A	ND @ 1 ug/L	N/A	N/A
Bromomethane	N/A	ND @ 1 ug/L	N/A	N/A
Carbon tetrachloride	N/A	ND @ 1 ug/L	N/A	N/A
Chlorbenzene	N/A	ND @ 1 ug/L	N/A	N/A
Chlorethane	N/A	ND @ 1 ug/L	N/A	N/A
Chlorform	N/A	ND @ 1 ug/L	N/A	N/A
Chlormethane	N/A	ND @ 1 ug/L	N/A	N/A
cis-1,3-Dichorpropylene	N/A	ND @ 1 ug/L	N/A	N/A
Dibromochloromethane	N/A	ND @ 1 ug/L	N/A	N/A
Dibromomethane	N/A	ND @ 1 ug/L	N/A	N/A
Dichlorodifluoromethane	N/A	ND @ 1 ug/L	N/A	N/A
Ethylbenzene	ND @ 1 ug/L	1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
Hexachlorobutadiene	N/A	ND @ 1 ug/L	N/A	N/A

TABLE 3.0
City of Poughkeepsie
DeLaval Property
Ground Water Analytical Data

Parameter	COP-MW-1	COP-MW-2	COP-MW-3	COP-MW-4
Isopropylbenzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
Methylene chloride	N/A	ND @ 1 ug/L	N/A	N/A
Naphthalene	ND @ 1 ug/L	79 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
n-Butylbenzene	ND @ 1 ug/L	1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
n-Propylbenzene	ND @ 1 ug/L	1ug/L	ND @ 1 ug/L	ND @ 1 ug/L
o-Xylene	ND @ 2 ug/L	3 ug/L	ND @ 2 ug/L	ND @ 2 ug/L
p-&m- Xylenes	ND @ 2 ug/L	14 ug/L	ND @ 2 ug/L	ND @ 2 ug/L
p-Isopropyltoluene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
sec-Butylbenzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
Styrene	N/A	ND @ 1 ug/L	N/A	N/A
tert-Butylbenzene	ND @ 1 ug/L	2 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
Tetrachloroethylene	N/A	ND @ 1 ug/L	N/A	N/A
Toluene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
trans-1,3-Dichloropropylene	N/A	ND @ 1 ug/L	N/A	N/A
trichloroethylene	N/A	ND @ 1 ug/L	N/A	N/A
Trichlorofluoromethane	N/A	ND @ 1 ug/L	N/A	N/A
Vinyl chloride	N/A	ND @ 1 ug/L	N/A	N/A
Methyl-tert-butyl-ether	ND @ 1 ug/L	N/A	ND @ 1 ug/L	ND @ 1 ug/L
Total Xylenes	ND @ 2 ug/L	N/A	ND @ 2 ug/L	ND @ 2 ug/L

N/A - Not Analyzed

TABLE 3.0
City Of Poughkeepsie
DeLaval Property
Ground Water Analytical Data

Parameter	COP-MW-5	COP-MW-6	COP-MW-7	COP-MW-8
1,2,4-Trichlorobenzene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
1,2-Dichlorobenzene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
1,3-Dichlorobenzene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
1,4-Dichlorobenzene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
2,4-Dinitrotoluene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
2,6-Dinitrotoluene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
2-Chloronaphthalene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
2-Methylnaphthalene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
2-Nitroanaline	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
3-3'-Dichlorobenzidine	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
3-Nitroanaline	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
4-Bromophenyl phenyl ehter	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
4-Chloroanaline	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
4-Chlorphenyl phenyl ether	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
4-Nitroanaline	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Aceaphthene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Acenaphthylene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Anthracene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Benzo(a)anthracene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Benzo(a)pyrene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Benzo(b)flouranthene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Benzo(g,h,I)perylene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Benzo(k)flouranthene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Bis(2-chloroethoxy)methane	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Bis(2-chloroethyl)ether	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Bis(2-chloroisopropyl)ether	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Bis(2-ethylhexyl)phthalate	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Butyl benzyl phthalate	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Chrysene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Dibenzo(a,h)anthracene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Dibenzofuran	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Diethylphthalate	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Dimethylphthalate	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Di-n-butylphthalate	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Di-n-octylphthalate	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Flouanthene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Flourene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Hexachlorobenzene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Hexachlorobutadiene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Hexachlorocylcopentadiene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Hexachloroethane	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Indeno(1,2,3-cd)pyrene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Isophorone	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Napthalene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Nitrobenzene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
N-Nitrosodi-n-propylamine	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L

TABLE 3.0
City Of Poughkeepsie
DeLaval Property
Ground Water Analytical Data

Parameter	COP-MW-5	COP-MW-6	COP-MW-7	COP-MW-8
N-Nitrosodiphenylamine	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Phenanthrene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Pyrene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
1,1,1,2-Tetrachloroethane	NA	NA	NA	NA
1,1,1-Trichloroethane	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	NA	NA	NA	NA
1,12-Trichloroethane	NA	NA	NA	NA
1,1-Dichloroethane	NA	NA	NA	NA
1,1-Dichloroethylene	NA	NA	NA	NA
1,1-Dichloropropylene	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NA	NA	NA	NA
1,2,3-Trichloropropane	NA	NA	NA	NA
1,2,3-Trimethylbenzene	NA	NA	NA	NA
1,2,4-Trichlorobenzene	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
1,2-Dibromo-3-chloropropane	NA	NA	NA	NA
1,2-Dibromoehtane	NA	NA	NA	NA
1,2-Dichlorobenzene	NA	NA	NA	NA
1,2-Dichloroethane	NA	NA	NA	NA
1,2-Dichloroethylene (Total)	NA	NA	NA	NA
1,2-Dichloropropane	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
1,3-Dichlorobenzene	NA	NA	NA	NA
1,3-Dichloropropane	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	NA	NA
1-Chlorhexane	NA	NA	NA	NA
2,2-Dichloropropane	NA	NA	NA	NA
2-Chlorotoluene	NA	NA	NA	NA
4-Chlorotoluene	NA	NA	NA	NA
Benzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
Bromobenzene	NA	NA	NA	NA
Bromochloromethane	NA	NA	NA	NA
Bromodichloromethane	NA	NA	NA	NA
Bromoform	NA	NA	NA	NA
Bromomethane	NA	NA	NA	NA
Carbon tetrachloride	NA	NA	NA	NA
Chlorbenzene	NA	NA	NA	NA
Chlorethane	NA	NA	NA	NA
Chlorform	NA	NA	NA	NA
Chlormethane	NA	NA	NA	NA
cis-1,3-Dichorpropylene	NA	NA	NA	NA
Dibromochloromethane	NA	NA	NA	NA
Dibromomethane	NA	NA	NA	NA
Dichlorodifluoromethane	NA	NA	NA	NA
Ethylbenzene	ND @ 1 ug/L	1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
Hexachlorobutadiene	NA	NA	NA	NA

TABLE 3.0
City Of Poughkeepsie
DeLaval Property
Ground Water Analytical Data

Parameter	COP-MW-5	COP-MW-6	COP-MW-7	COP-MW-8
Isopropylbenzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
Methylene chloride	NA	NA	NA	NA
Naphthalene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
n-Butylbenzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
n-Propylbenzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
o-Xylene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
p-&m- Xylenes	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
p-Isopropyltoluene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
sec-Butylbenzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
Styrene	NA	ND @ 1 ug/L	NA	NA
tert-Butylbenzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
Tetrachloroethylene	NA	NA	NA	NA
Toluene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
trans-1,3-Dichloropropylene	NA	NA	NA	NA
trichloroethylene	NA	NA	NA	NA
Trichlorofluoromethane	NA	NA	NA	NA
Vinyl chloride	NA	NA	NA	NA
Methyl-tert-butyl-ether	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
Total Xylenes	ND @ ug/L	ND @ ug/L	ND @ ug/L	ND @ ug/L

N/A - Not Analyzed

TABLE 3.0
City of Poughkeepsie
Deaval Property
Ground Water Analytical Data

Parameter	COP-MW-9	COP-MW-10	COP-MW-11	COP-MW-13
1,2,4-Trichlorobenzene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
1,2-Dichlorobenzene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
1,3-Dichlorobenzene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
1,4-Dichlorobenzene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
2,4-Dinitrotoluene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
2,6-Dinitrotoluene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
2-Chloronaphthalene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
2-Methylnaphthalene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
2-Nitroanaline	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
3-3'-Dichlorobenzidine	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
3-Nitroanaline	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
Bromophenyl phenyl ehter	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
4-Chloroanaline	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
4-Chlorphenyl phenyl ether	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
4-Nitroanaline	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
Aceaphthene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
Acenaphthylene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
Anthracene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
Benzo(a)anthracene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
Benzo(a)pyrene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
Benzo(b)flouranthene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
Benzo(g,h,I)perylene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
Benzo(k)flouranthene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
Bis(2-chloroethoxy)methane	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
Bis(2-chloroethyl)ether	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
Bis(2-chloroisopropyl)ether	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
Bis(2-ethylhexyl)phthalate	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
Butyl benzyl phthalate	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
Chrysene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
Dibenzo(a,h)anthracene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
Dibenzofuran	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
Diethylphthalate	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
Dimethylphthalate	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
Di-n-butylphthalate	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
Di-n-octylphthalate	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
Flouanthene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
Flourene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
Hexachlorobenzene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
Hexachlorobutadiene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
Hexachlorocylcopentadiene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
Hexachloroethane	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
Indeno(1,2,3-cd)pyrene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
Isophorone	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
Napthalene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
Nitrobenzene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
Nitrosodi-n-propylamine	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L

TABLE 3.0
City of Poughkeepsie
Deaval Property
Ground Water Analytical Data

Parameter	COP-MW-9	COP-MW-10	COP-MW-11	COP-MW-13
-Nitrosodiphenylamine	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
Phenanthrene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
Pyrene	ND @ 10 ug/L	ND @ 10 ug/L	NA	ND @ 10 ug/L
,1,2-Tetrachloroethane	ND @ 1 ug/L	NA	NA	NA
1,1,1-Trichloroethane	ND @ 1 ug/L	NA	NA	NA
1,2,2-Tetrachloroethane	ND @ 1 ug/L	NA	NA	NA
1,12-Trichloroethane	ND @ 1 ug/L	NA	NA	NA
1,1-Dichloroethane	ND @ 1 ug/L	NA	NA	NA
1,1-Dichloroethylene	ND @ 1 ug/L	NA	NA	NA
,1-Dichloropropylene	ND @ 1 ug/L	NA	NA	NA
,2,3-Trichlorobenzene	ND @ 1 ug/L	NA	NA	NA
1,2,3-Trichloropropane	ND @ 1 ug/L	NA	NA	NA
2,3-Trimethylbenzene	ND @ 1 ug/L	NA	NA	NA
,2,4-Trichlorobenzene	ND @ 1 ug/L	NA	NA	NA
1,2,4-Trimethylbenzene	5 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
Dibromo-3-chloropropane	ND @ 1 ug/L	NA	NA	NA
1,2-Dibromoehtane	ND @ 1 ug/L	NA	NA	NA
1,2-Dichlorobenzene	ND @ 1 ug/L	NA	NA	NA
1,2-Dichloroethane	ND @ 1 ug/L	NA	NA	NA
-Dichloroethylene (Total)	ND @ 1 ug/L	NA	NA	NA
1,2-Dichloropropane	ND @ 1 ug/L	NA	NA	NA
1,3,5-Trimethylbenzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
1,3-Dichlorobenzene	ND @ 1 ug/L	NA	NA	NA
1,3-Dichloropropane	ND @ 1 ug/L	NA	NA	NA
1,4-Dichlorobenzene	ND @ 1 ug/L	NA	NA	NA
1-Chlorhexane	ND @ 1 ug/L	NA	NA	NA
2,2-Dichloropropane	ND @ 1 ug/L	NA	NA	NA
2-Chlorotoluene	ND @ 1 ug/L	NA	NA	NA
4-Chlorotoluene	ND @ 1 ug/L	NA	NA	NA
Benzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
Bromobenzene	ND @ 1 ug/L	NA	NA	NA
Bromochloromethane	ND @ 1 ug/L	NA	NA	NA
romodichloromethane	ND @ 1 ug/L	NA	NA	NA
Bromoform	ND @ 1 ug/L	NA	NA	NA
Bromomethane	ND @ 1 ug/L	NA	NA	NA
Carbon tetrachloride	ND @ 1 ug/L	NA	NA	NA
Chlorbenzene	ND @ 1 ug/L	NA	NA	NA
Chlorethane	ND @ 1 ug/L	NA	NA	NA
Chlorform	ND @ 1 ug/L	NA	NA	NA
Chlormethane	ND @ 1 ug/L	NA	NA	NA
cis-1,3-Dichorpropylene	ND @ 1 ug/L	NA	NA	NA
Dibromochloromethane	ND @ 1 ug/L	NA	NA	NA
Dibromomethane	ND @ 1 ug/L	NA	NA	NA
Dichlorodifluoromethane	ND @ 1 ug/L	NA	NA	NA
Ethylbenzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
Hexachlorobutadiene	ND @ 1 ug/L	NA	NA	NA

TABLE 3.0
City of Poughkeepsie
Deaval Property
Ground Water Analytical Data

Parameter	COP-MW-9	COP-MW-10	COP-MW-11	COP-MW-13
Isopropylbenzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
Methylene chloride	ND @ 1 ug/L	NA	NA	NA
Naphthalene	7ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
n-Butylbenzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
n-Propylbenzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
o-Xylene	1ug/L	ND @ 2 ug/L	ND @ 2 ug/L	ND @ 2 ug/L
p-&m- Xylenes	3ug/L	ND @ 2 ug/L	ND @ 2 ug/L	ND @ 2 ug/L
p-Isopropyltoluene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
sec-Butylbenzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
Styrene	ND @ 1 ug/L	NA	NA	NA
tert-Butylbenzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
Tetrachloroethylene	ND @ 1 ug/L	NA	NA	NA
Toluene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
trans-1,3-Dichloropropylene	ND @ 1 ug/L	NA	NA	NA
trichloroethylene	ND @ 1 ug/L	NA	NA	NA
Trichlorofluoromethane	ND @ 1 ug/L	NA	NA	NA
Vinyl chloride	ND @ 1 ug/L	NA	NA	NA
Methyl-tert-butyl-ether	NA	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
Total Xylenes	NA	ND @ 2 ug/L	ND @ 2 ug/L	ND @ 2 ug/L

N/A - Not Analyzed

TABLE 3.0
City of Poughkeepsie
DeLaval Property
Ground Water Analytical Data

Parameter	COP-MW-14	COP-MW-15	COP-MW-16	COP-MW-17
1,2,4-Trichlorobenzene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
1,2-Dichlorobenzene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
1,3-Dichlorobenzene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
1,4-Dichlorobenzene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
2,4-Dinitrotoluene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
2,6-Dinitrotoluene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
2-Chloronaphthalene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
2-Methylnaphthalene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
2-Nitroanaline	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
3-3'-Dichlorobenzidine	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
3-Nitroanaline	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
4-Bromophenyl phenyl ehter	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
4-Chloroanaline	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
4-Chlorphenyl phenyl ether	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
4-Nitroanaline	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Aceaphthene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Acenaphthylene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Anthracene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Benzo(a)anthracene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Benzo(a)pyrene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Benzo(b)flouranthene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Benzo(g,h,I)perylene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Benzo(k)flouranthene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Bis(2-chloroethoxy)methane	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Bis(2-chloroethyl)ether	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Bis(2-chloroisopropyl)ether	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Bis(2-ethylhexyl)phthalate	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Butyl benzyl phthalate	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Chrysene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Dibenzo(a,h)anthracene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Dibenzofuran	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Diethylphthalate	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Dimethylphthalate	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Di-n-butylphthalate	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Di-n-octylphthalate	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Flouanthene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Flourene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Hexachlorobenzene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Hexachlorobutadiene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Hexachlorocylcopentadiene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Hexachloroethane	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Indeno(1,2,3-cd)pyrene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Isophorone	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Napthalene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Nitrobenzene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
N-Nitrosodi-n-propylamine	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L

TABLE 3.0
City of Poughkeepsie
DeLaval Property
Ground Water Analytical Data

Parameter	COP-MW-14	COP-MW-15	COP-MW-16	COP-MW-17
N-Nitrosodiphenylamine	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Phenanthrene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
Pyrene	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L	ND @ 10 ug/L
1,1,1,2-Tetrachloroethane	NA	NA	NA	NA
1,1,1-Trichloroethane	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	NA	NA	NA	NA
1,12-Trichloroethane	NA	NA	NA	NA
1,1-Dichloroethane	NA	NA	NA	NA
1,1-Dichloroethylene	NA	NA	NA	NA
1,1-Dichloropropylene	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NA	NA	NA	NA
1,2,3-Trichloropropane	NA	NA	NA	NA
1,2,3-Trimethylbenzene	NA	NA	NA	NA
1,2,4-Trichlorobenzene	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
1,2-Dibromo-3-chloropropane	NA	NA	NA	NA
1,2-Dibromoehtane	NA	NA	NA	NA
1,2-Dichlorobenzene	NA	NA	NA	NA
1,2-Dichloroethane	NA	NA	NA	NA
1,2-Dichloroethylene (Total)	NA	NA	NA	NA
1,2-Dichloropropane	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
1,3-Dichlorobenzene	NA	NA	NA	NA
1,3-Dichloropropane	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	NA	NA
1-Chlorhexane	NA	NA	NA	NA
2,2-Dichloropropane	NA	NA	NA	NA
2-Chlorotoluene	NA	NA	NA	NA
4-Chlorotoluene	NA	NA	NA	NA
Benzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
Bromobenzene	NA	NA	NA	NA
Bromochloromethane	NA	NA	NA	NA
Bromodichloromethane	NA	NA	NA	NA
Bromoform	NA	NA	NA	NA
Bromomethane	NA	NA	NA	NA
Carbon tetrachloride	NA	NA	NA	NA
Chlorbenzene	NA	NA	NA	NA
Chlorethane	NA	NA	NA	NA
Chlorform	NA	NA	NA	NA
Chlormethane	NA	NA	NA	NA
cis-1,3-Dichorpropylene	NA	NA	NA	NA
Dibromochloromethane	NA	NA	NA	NA
Dibromomethane	NA	NA	NA	NA
Dichlorodifluoromethane	NA	NA	NA	NA
Ethylbenzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
Hexachlorobutadiene	NA	NA	NA	NA

TABLE 3.0
City of Poughkeepsie
DeLaval Property
Ground Water Analytical Data

Parameter	COP-MW-14	COP-MW-15	COP-MW-16	COP-MW-17
Isopropylbenzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
Methylene chloride	NA	NA	NA	NA
Naphthalene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
n-Butylbenzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
n-Propylbenzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
o-Xylene	ND @ 2 ug/L	ND @ 2 ug/L	ND @ 2 ug/L	ND @ 2 ug/L
p-&m- Xylenes	ND @ 2 ug/L	ND @ 2 ug/L	ND @ 2 ug/L	ND @ 2 ug/L
p-Isopropyltoluene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
sec-Butylbenzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
Styrene	NA	NA	NA	NA
tert-Butylbenzene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
Tetrachloroethylene	NA	NA	NA	NA
Toluene	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
trans-1,3-Dichloropropylene	NA	NA	NA	NA
trichloroethylene	NA	NA	NA	NA
Trichlorofluoromethane	NA	NA	NA	NA
Vinyl chloride	NA	NA	NA	NA
Methyl-tert-butyl-ether	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L	ND @ 1 ug/L
Total Xylenes	ND @ 2 ug/L	ND @ 2 ug/L	ND @ 2 ug/L	ND @ 2 ug/L

N/A - Not Analyzed

TABLE 3.0
City of Poughkeepsie
DeLaval Property
Ground Water Analytical Data

Parameter	TP-89
1,2,4-Trichlorobenzene	ND @ 33,000 ug/L
1,2-Dichlorobenzene	ND @ 33,000 ug/L
1,3-Dichlorobenzene	ND @ 33,000 ug/L
1,4-Dichlorobenzene	ND @ 33,000 ug/L
2,4-Dinitrotoluene	ND @ 33,000 ug/L
2,6-Dinitrotoluene	ND @ 33,000 ug/L
2-Chloronaphthalene	ND @ 33,000 ug/L
2-Methylnaphthalene	ND @ 33,000 ug/L
2-Nitroanaline	ND @ 170,000 ug/L
3-3'-Dichlorobenzidine	ND @ 33,000 ug/L
3-Nitroanaline	ND @ 170,000 ug/L
4-Bromophenyl phenyl ehter	ND @ 33,000 ug/L
4-Chloroanaline	ND @ 33,000 ug/L
4-Chlorphenyl phenyl ether	ND @ 33,000 ug/L
4-Nitroanaline	ND @ 170,000 ug/L
Aceaphthene	ND @ 33,000 ug/L
Acenaphthylene	ND @ 33,000 ug/L
Anthracene	ND @ 33,000 ug/L
Benzo(a)anthracene	ND @ 33,000 ug/L
Benzo(a)pyrene	ND @ 33,000 ug/L
Benzo(b)flouranthene	ND @ 33,000 ug/L
Benzo(g,h,I)perylene	ND @ 33,000 ug/L
Benzo(k)flouranthene	ND @ 33,000 ug/L
Bis(2-chloroethoxy)methane	ND @ 33,000 ug/L
Bis(2-chloroethyl)ether	ND @ 33,000 ug/L
Bis(2-chloroisopropyl)ether	ND @ 33,000 ug/L
Bis(2-ethylhexyl)phthalate	ND @ 33,000 ug/L
Butyl benzyl phthalate	ND @ 33,000 ug/L
Chrysene	ND @ 33,000 ug/L
Dibenzo(a,h)anthracene	ND @ 33,000 ug/L
Dibenzofuran	ND @ 33,000 ug/L
Diethylphthalate	ND @ 33,000 ug/L
Dimethylphthalate	ND @ 33,000 ug/L
Di-n-butylphthalate	ND @ 33,000 ug/L
Di-n-octylphthalate	ND @ 33,000 ug/L
Flouanthene	ND @ 33,000 ug/L
Flourene	ND @ 33,000 ug/L
Hexachlorobenzene	ND @ 33,000 ug/L
Hexachlorobutadiene	ND @ 33,000 ug/L
Hexachlorocylcopentadiene	ND @ 33,000 ug/L
Hexachloroethane	ND @ 33,000 ug/L
Indeno(1,2,3-cd)pyrene	ND @ 33,000 ug/L
Isophorone	ND @ 33,000 ug/L
Napthalene	ND @ 33,000 ug/L
Nitrobenzene	ND @ 33,000 ug/L
Nitrosodi-n-propylamine	ND @ 33,000 ug/L

TABLE 3.0
City of Poughkeepsie
DeLaval Property
Ground Water Analytical Data

Parameter	TP-89
N-Nitrosodiphenylamine	ND @ 33,000 ug/L
Phenanthrene	ND @ 33,000 ug/L
Pyrene	ND @ 33,000 ug/L
1,1,1,2-Tetrachloroethane	NA
1,1,1-Trichloroethane	NA
1,1,2,2-Tetrachloroethane	NA
1,12-Trichloroethane	NA
1,1-Dichloroethane	NA
1,1-Dichloroethylene	NA
1,1-Dichloropropylene	NA
1,2,3-Trichlorobenzene	NA
1,2,3-Trichloropropane	NA
1,2,3-Trimethylbenzene	NA
1,2,4-Trichlorobenzene	NA
1,2,4-Trimethylbenzene	NA
1,2-Dibromo-3-chloropropane	NA
1,2-Dibromoehtane	NA
1,2-Dichlorobenzene	NA
1,2-Dichloroethane	NA
1,2-Dichloroethylene (Total)	NA
1,2-Dichloropropane	NA
1,3,5-Trimethylbenzene	NA
1,3-Dichlorobenzene	NA
1,3-Dichloropropane	NA
1,4-Dichlorobenzene	NA
1-Chlorhexane	NA
2,2-Dichloropropane	NA
2-Chlorotoluene	NA
4-Chlorotoluene	NA
Benzene	NA
Bromobenzene	NA
Bromochloromethane	NA
Bromodichloromethane	NA
Bromoform	NA
Bromomethane	NA
Carbon tetrachloride	NA
Chlorbenzene	NA
Chlorethane	NA
Chlorform	NA
Chlormethane	NA
cis-1,3-Dichorpropylene	NA
Dibromochloromethane	NA
Dibromomethane	NA
Dichlorodifluoromethane	NA
Ethylbenzene	NA
Hexachlorobutadiene	NA

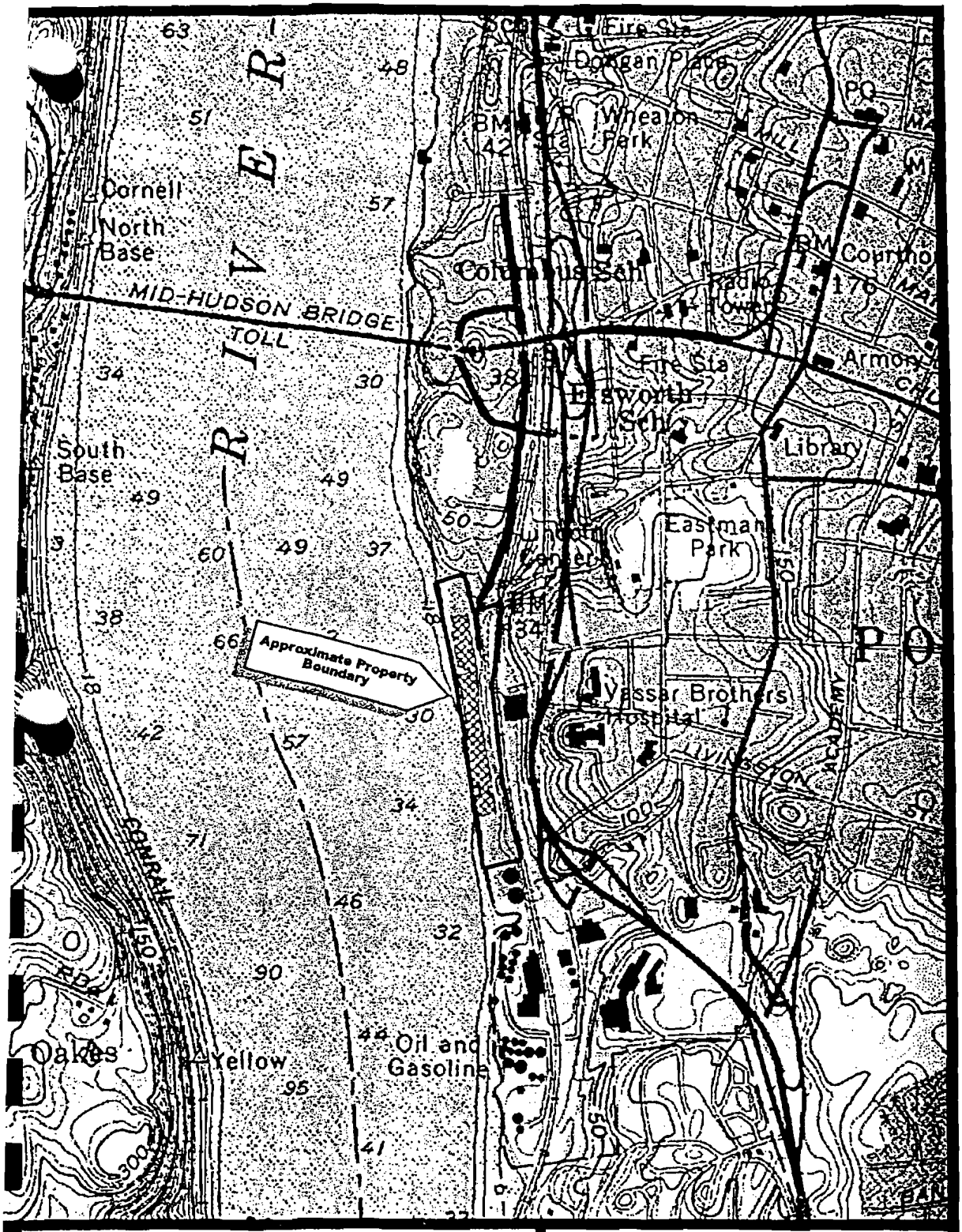
Parameter	TP-89

TABLE 3.0
City of Poughkeepsie
DeLaval Property
Ground Water Analytical Data

Isopropylbenzene	NA
Methylene chloride	NA
Naphthalene	NA
n-Butylbenzene	NA
n-Propylbenzene	NA
o-Xylene	NA
p-&m- Xylenes	NA
p-Isopropyltoluene	NA
sec-Butylbenzene	NA
Styrene	NA
tert-Butylbenzene	NA
Tetrachloroethylene	NA
Toluene	NA
trans-1,3-Dichloropropylene	NA
trichloroethylene	NA
Trichlorofluoromethane	NA
Vinyl chloride	NA
Methyl-tert-butyl-ether	NA
Total Xylenes	NA

N/A - Not Analyzed

FIGURES



ource

USGS Quadrangle; Poughkeepsie

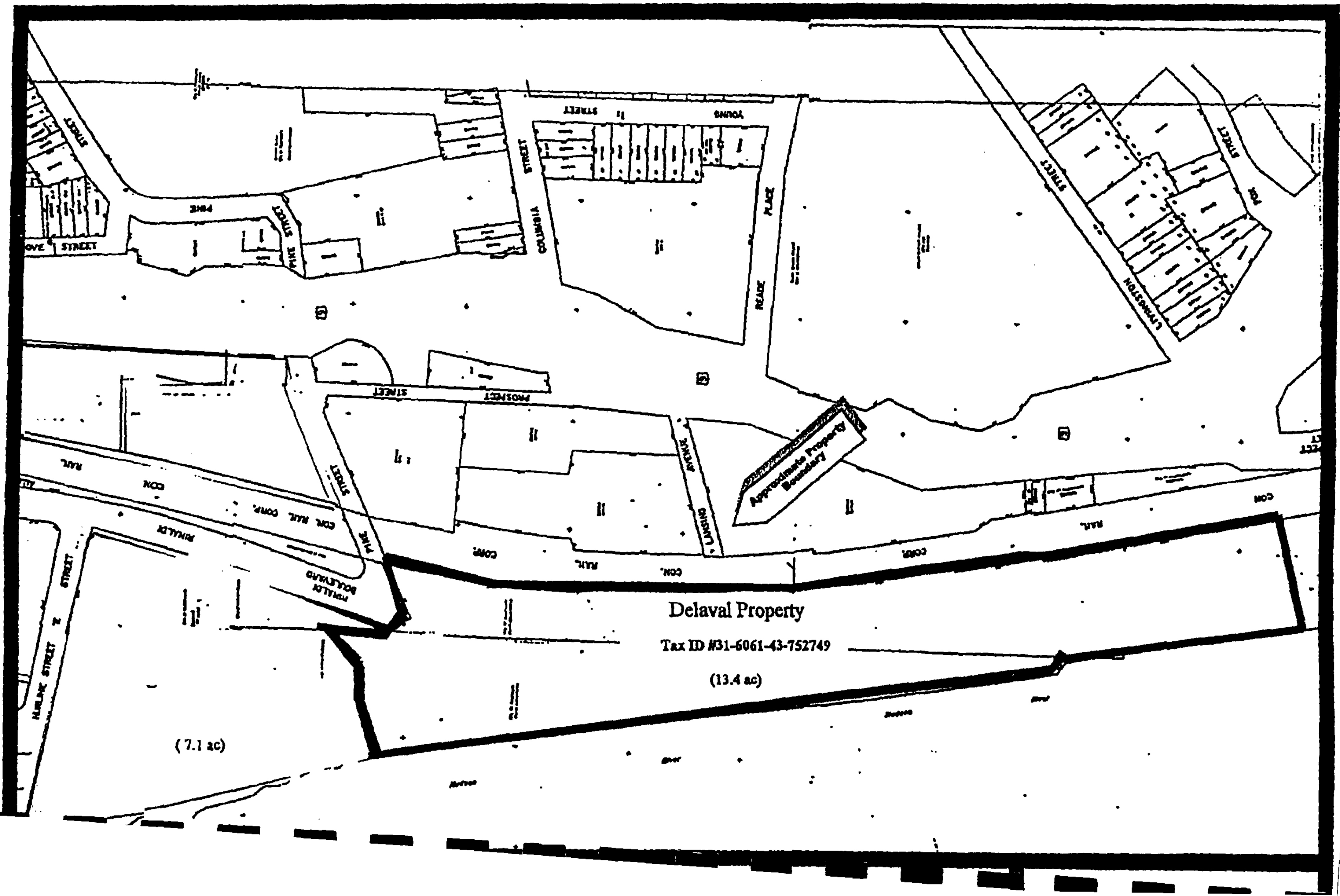
Figure 1

Site Location Map

THE Chazen COMPANIES

Delaval Property

Poughkeepsie, New York



Delaval Property
Tax ID #31-6061-43-752749
(13.4 ac)
(7.1 ac)
Approximate Property Boundary
PINE STREET
COLUMBIA STREET
YOUNG STREET
READE PLACE
LIVINGSTON STREET
FOX STREET
PROSPECT STREET
LANSING AVENUE
RINALDI BOULEVARD
HURLBUT STREET
CON. RAIL CORP.

Appendix B

Deeds

DELAVAL SITE

THIS INDENTURE made this 20 day of November 1968, between

THE ROGER H. CORBETTA CORPORATION, a New York corporation, having an office at No. 220 East 42nd Street, City of New York, New York, party of the first part,

-and-

THE CITY OF POUGHKEEPSIE, a municipal corporation of the State of New York, party of the second part,

W I T N E S S E T H :

That the party of the first part, in consideration of Five Hundred Twenty-Nine Thousand ($529,000.00) Dollars lawful money of the United States, and other good and valuable consideration in hand paid by the party of the second part, does hereby grant and release unto the party of the second part, its successors and assigns forever,

ALL that certain plot, piece or parcel of land, situate, lying and being in the City of Poughkeepsie, County of Dutchess and State of New York and being more particularly bounded and described as follows:

BEGINNING at a point on the southerly side of Pine Street where said southerly side of Pine Street adjoins the westerly exterior line of the lands of the New York Central Railroad Company;

running thence in a southerly direction along

said westerly exterior line of the New York Central Railroad Company lands, the following courses and distances:

on a curve to the left, having a radius of 3146.00 feet, a distance of 417.91 feet to a point;

running thence South 39° 47' 10" East 14.86 feet to a point of curve;

running thence southerly on a curve to the left, having a radius of 3136.00 feet, a distance of 519.21 feet to a point;

running thence South 82° 31' 30" West 5.0 feet to a point of curve;

running thence southerly on a curve to the left, having a radius of 3141.00 feet, a distance of 233.14 feet to a point;

running thence South 11° 20' 00" East 109.60 feet;
South 78° 40' 00" West 3.10 feet;
South 9° 31' 40" East 183.06 feet;
South 11° 20' 00" East 25.00 feet;
South 84° 00' 30" West 7.16 feet and
South 11° 20' 00" East 515.86 feet to a point;

thence leaving said westerly exterior line of the lands of the New York Central Railroad Company and running along lands now or formerly of Norfe Realty Corp. and along a chain link fence and dyke, South 80° 10' 00" West 249.77 feet to a point;

running thence along the easterly bank of the Hudson River, the following courses and distances:

North 9° 34' West 28.62 feet;
North 9° 58' 20" West 50.01 feet;
North 9° 51' 30" West 97.48 feet;
North 10° 24' 40" West 111.56 feet;
North 9° 15' 10" West 94.48 feet;
North 9° 48' 10" West 147.83 feet;
North 53° 53' 50" West 33.65 feet;
North 9° 52' 00" West 181.01 feet;
North 9° 51' 50" West 300.59 feet;
North 41° 15' 20" East 67.87 feet;
North 9° 58' 00" West 376.73 feet;
North 84° 52' 30" East 3.02 feet;
North 10° 16' 10" West 94.86 feet;
North 10° 19' 20" West 111.56 feet;

North 10° 57' 40" West 43.23 feet;
Due West 1.32 feet;
North 10° 36' 00" West 80.63 feet;
North 10° 19' 10" West 29.08 feet;
North 9° 55' 00" West 48.78 feet;
North 10° 19' 10" West 45.99 feet;
North 15° 37' 30" West 28.77 feet;
North 18° 23' 30" West 25.70 feet;
North 17° 58' 30" West 9.46 feet;
North 14° 55' 30' West 21.59 feet;
North 13° 49' 30" West 20.34 feet;
North 65° 06' 20" East 3.99 feet and
North 15° 04' 30" West 219.87 feet to a point;

thence along lands of the City of Poughkeepsie, North 76° 12' East 129.24 feet and North 63° 35' 40" East 4.81 feet to the southerly side of Navigation Street; and

thence along said southerly side of Navigation Street the following courses and distances:

South 89° 30' 10" East 23.07 feet;
North 88° 11' 50" East 19.07 feet;
North 85° 44' 50" East 27.79 feet;
North 76° 04' 20" East 10.14 feet;
North 59° 43' 40" East 50.07 feet; and
North 47° 05' 00" East 57.80 feet to the westerly side of South Water Street;

running thence along the westerly side of South Water Street, South 4° 18' 10" East 294.68 feet, and South 55° 08' 20" East 42.02 feet to a point;

running thence along the southerly side of Pine Street, North 65° 24' 10" East 111.26 feet and North 66° 20' 40" East 13.83 feet to the point of beginning.

TOGETHER with all right, title and interest, if any, of the party of the first part in and to any streets and roads abutting the above described premises to the center lines thereof.

TOGETHER with all rights and interest that the party of the first part may have to use the tunnel under the railroad, known as Bridge No. 96; and also any rights

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LBR 1255 PG 650

and interest, which the party of the first part may have under any agreement or agreements with the New York Central Railroad Company appurtenant to the land hereby conveyed.

TOGETHER with all right, title and interest of the party of the first part in and to any land formerly under water lying within the boundaries of said premises; and also together with all riparian rights and all rights, title and interest, if any, of the party of the first part in and to any land lying under the waters of the Hudson River immediately in front of and adjacent to the westerly boundary of said premises; but nothing contained in this conveyance shall be construed, nor shall the making of this conveyance be construed, as a warranty or representation of any kind whatsoever.

TOGETHER with the appurtenances and all the estate and rights of the party of the first part in and to said premises.

SUBJECT to, and together with all rights of the party of the first part under, the covenants, provisions and agreements contained in two certain deeds, each dated the 24th day of September, 1963, made by the party of the first part to Norfe Realty Corp., covering premises adjoining the aforesaid premises on the south.

SUBJECT to: (1) any state of facts which an accurate survey would show; (2) reservations, covenants, restrictions, easements and agreements of record and underground easements, if any, including but not limited to gas lines, waste or

sewer lines, and water mains; utility wires, poles, pipes, conduits and attachments, and the right to maintain the same; (3) reservations, covenants, terms, conditions and provisions contained in the Letters Patent affecting that part of the premises which formerly was land under water; (4) rights of Federal and State governments to regulate commerce and navigation and to establish bulkhead, wharf and dock lines; ~~and (5) exceptions and reservations in favor of The De Laval Separator Company under deed dated December 21, 1965, recorded December 28, 1965, in Liber 1195 cp 211, to the extent that the same are still in force and effect.~~

TO HAVE AND TO HOLD the premises herein granted unto the party of the second part, the successors and assigns of the party of the second part forever.

AND the party of the first part, in compliance with Section 13 of the Lien Law, covenants that the party of the first part will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose.

The premises herein conveyed are acquired by the grantee pursuant to Chapter 558 of the laws of 1965, as amended, and the City of Poughkeepsie has paid the full amount of the purchase price under said law.

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LIBER 1255 PAGE 652

IN WITNESS WHEREOF, the party of the first part has duly executed this deed the day and year first above written.

THE ROGER H. CORBETTA CORPORATION

By: _____
Vice President

[CORPORATE SEAL]

ATTEST:

_____
Assistant Secretary

R+P City of Park. Corporation Counsel Office

DUTCHESS COUNTY CLERK'S OFFICE
RECEIVED ON THE 20 DAY OF Nov 1968
AT 11 H 06 M. A M. RECORDED IN
BOOK No. 1255 OF Deeds
AT PAGE 647 AND EXAMINED
John Hautmann CLERK

11-20-68 DA
DUTCHESS COUNTY 002846
REAL ESTATE TRANSFER TAX
Dept. of Taxation & Finance NOV20'68
STATE OF NEW YORK
581.90
P.O. 10748

A.F. 11.50

STATE OF NEW YORK)
: ss.:
COUNTY OF DUTCHESS)

On the 20 day of November, 1968, before me personally came Louis J. Corbetta to me known, who, being by me duly sworn, did depose and say that he resides at 177 Rock Creek Lane, Scarsdale, N. Y., that he is the Vice President of The Roger H. Corbetta Corporation, the corporation described in and which executed the foregoing instrument; that he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the board of directors of said corporation, and that he signed his name thereto by like order.

Joseph Lucci
Notary Public
Commissioner of Deeds
Commission expires ~~Sept. 30, 19~~ Apr. 19, 1969

LIBER 1255 PAGE 653

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The People of the State of New York, by the Grace of God,
Free and Independent,

TO ALL TO WHOM THESE PRESENTS SHALL COME, GREETING:

Know ye, That , pursuant to Section 75, subdivision 11 of the Public Lands Law, Findings of the Deputy Commissioner of General Services in the Executive Department dated June 21 , 1971 and in consideration of the sum of Two Hundred Dollars ($200.00), lawful money of the United States of America, paid by the City of Poughkeepsie, a municipal corporation, having its principal office at the Municipal Building in the City of Poughkeepsie, County of Dutchess, State of New York, we have given and granted and by these presents do give and grant unto the said CITY OF POUGHKEEPSIE, its successors and assigns, the remaining right, title and interest of the People of the State of New York in and to the following described lands now or formerly under water, to wit:

All those parcels of land, now or formerly under the waters of the Hudson River, situated in the City of Poughkeepsie, County of Dutchess, State of New York, bounded and described as follows:

PARCEL B

Beginning at a point in the westerly right-of-way line of the Penn-Central Railroad, being in the division line between grants of land under water to Richard Davis by patent dated March 26, 1801 and James Hooker by patent dated July 26, 1855, said point also being 42.00 feet westerly measured radially from Station 384+211.72 of the monumented center line of the Penn-Central Railroad; thence southerly along said westerly right-of-way line; along a curve to the left concentric with said railroad centerline and 42 feet westerly therefrom, a distance of 519.21'; thence S 82° 31' 30" W 5.00' and again southerly along a curve to the left concentric with said railroad centerline and 47' westerly therefrom, a distance of 186.48' to its intersection with the former shoreline of the Hudson River; thence along said former shoreline the following courses and distances: S 10° 29' 50" W 26.44', S 5° 50' 00" E 73.00', S 8° 15' 00" E 71.00', S 5° 13' 00" W 38.00', S 13° 10' 00" E 50.00', S 5° 40' 00" W 55.00', S 15° 30' 00" W 15.00', and S 44° 15' 00" W 23.00' to the northerly line of a grant of land under water to John Reade by patent dated February 2, 1801, being also the southerly line of said grant of land under water to James Hooker by patent dated July 26, 1855 and the southerly line of a grant of land under water to William Williams dated November 24, 1808; thence along said northerly grant line to Reade and said southerly grant line to Williams and Hooker and the southerly line of a grant of land under water to James Hooker by patent dated August 24, 1858, S 83° 55' 00" W 153.00' to the westerly line of said Hooker grant of August 24, 1858; thence along said westerly grant line N 5° 21' 45" W 476.07' to a point in the westerly line of said grant to James Hooker dated July 26, 1855; thence along said westerly line N 6° 15' 00" W 100.00' to the westerly line of said

grant to James Hooker dated August 24, 1858; thence along the last mentioned westerly grant line N 10° 33' 00" W 455.00' to the northwesterly corner of said grant being the southwesterly corner of the first mentioned grant to Richard Davis by patent dated March 26, 1801; thence along the southerly line of said Davis grant and the northerly line of said grants to Hooker dated August 24, 1858 and July 26, 1855, N 81° 01' 10" E 254.04' to the point of beginning, containing 4.74 acres more or less.

Being portions of the lands under water conveyed to James Hooker by patents dated July 26, 1855 and August 24, 1858 and William Williams by patent dated November 24, 1808.

PARCEL C

Beginning at a point in the former shoreline of Hudson River, being in the division line between grants of land under water to John Reade by patent dated February 2, 1801 and William Williams by patent dated November 24, 1808 and James Hooker by patent dated July 26, 1855, said point also being 118.35' measured westerly at right angle from Station 383+182.99 of the monumented centerline of the Penn-Central Railroad; thence along the said former shoreline S 15° 33' 30" E 130.78' to the southerly line of said grant to John Reade; thence along said grant line and partially along the northerly line of a grant of land under water to Alcander Fox by patent dated May 3, 1855, S 83" 55' 00" W 174.90' to the westerly line of the Reade grant; thence along said westerly grant line N 5° 55' 00" W 129.00' to the northerly line of said grant, being also the southerly line of a grant of land under water to William Williams by patent dated November 24, 1808 and the southerly line of a grant of land under water to James Hooker by patent dated August 24, 1858; thence along said grant line and partially along the southerly line of a grant of land under water to James Hooker by patent dated July 26, 1855, N 83° 55' 00" E 153.00' to the point of beginning, containing 0.49 acres more or less.

Being the lands under water conveyed to John Reade by patent dated February 2, 1801.

PARCEL D

Beginning at a point in the westerly line of a grant of land under water to Alcander Fox by patent dated May 3, 1855, said point being 312.72' westerly measured at right angle from Station 382+643.5[illegible] of the monumented centerline of the Penn-Central Railroad; thence along the westerly side of said grant N 7° 19' 00" W 426.04' to the northerly side of said grant being the southerly side of a grant of land under water to John Reade by patent dated February 2, 1801; thence along said grant line N 83° 55' 00" E 84.00' to the former highwater line of the Hudson River; thence along said former high-water line the following courses and distances: S 6° 05' 00" E 86.00', N 83° 55' 00" E 90.00', S 60° 10' 00" E 13.00', S 33° 25' 00" E 21.00', S 12° 45' 00" E 55.00', Due south, 32.00'; S 19° 10' 00" W 85.00' S 41° 10' 00" W 36.00', S 77° 50' 00" W 16.00', N 78° 20' 00" W 11.00', S 58° 45' 00" W 53.00', S 28° 00' 00" W 17.00', S 39° 00' 00" W 20.00', S 11° 05' 00" E 26.00', S 12° 40' 00" W 37.00', and S 24° 15' 00" E 15.16' to its intersection with the division line between lands of Norfe Realty Corp. on the south and The City of Poughkeepsie on the north; thence along said division line S 80° 10' 00" W 22.37' to the point of beginning, containing 1.16 acres more or less.

Being a portion of the lands under water conveyed to Alcander Fox by patent dated May 3, 1855.

PARCEL E

Beginning at a point in the westerly right-of-way line of the Penn-Central Railroad, being in the division line between grants of land under water to Richard Davis by patent dated March 26, 1801 and James Hooker by patent dated July 26, 1855, said point also being 42.00' westerly measured radially from Station 384+211.72 of the monumented center line of the Penn-Central Railroad; thence along said grant line division and the northerly line of a grant of land under water to James Hooker by patent dated August 24, 1858, S 81° 01' 10" W 254.04' to the westerly side of said grant to Davis; thence along said westerly side N 8° 58' 50" W 459.36' to the northerly side of said Davis grant; thence along said northerly side N 81° 01' 10" E 287.08' to a point in the former shoreline of the Hudson River; thence along said shoreline the following courses and distances: S 37° 16' 30" W 152.83', S 18° 29' 00" W 83.00', S 20° 28' 30" E 65.00', S 61° 54' 00" E 48.00'. S 37° 31' 00" E 91.00', and S 18° 30' 00" E 84.00' to its intersection with the westerly right-of-way line of the Penn Central Railroad; thence along said right-of-way line along a curve to the left concentric with said railroad center-line and 52' westerly therefrom a distance of 11.00'; thence continuing along said right-of-way line S 39° 47' 10" E, 14.86' to the point of beginning, containing 2.14 acres more or less.

Being the lands under water conveyed to Richard Davis by patent dated March 26, 1801.

All bearings refer to the railroad Meridian.

IN WITNESS WHEREOF, our Deputy *Commissioner of General Services has executed these letters patent in our name this* 21st *day of* June, *1971*

THE PEOPLE OF THE STATE OF NEW YORK

By Walter C. Shaw

Walter C. Shaw

DEPUTY *COMMISSIONER OF GENERAL SERVICES*

STATE OF NEW YORK)
DEPARTMENT OF STATE) ss.:

I hereby certify that the Great Seal of the State of New York was hereto affixed on the 24th *day of* June, *1971*

Thomas W. Wallace, *Executive Deputy Secretary of State*

Approved as to form this 1st *day of* July, *1971*

Approved this 14th *day of* July, *1971*

ARTHUR LEVITT
State Comptroller
By

LOUIS J. LEFKOWITZ
Attorney General
By

Assistant Attorney General

People of the State of New York
TO

CITY OF POUGHKEEPSIE

LETTERS PATENT

STATE OF NEW YORK
Department of State

July 19, 1971
Recorded in Book of Patents

81 *at page* 99

JOHN P. LOMENZO
Secretary of State

Sara E. Horner
Special Clerk

IRP-16 12-62 (8D-146)

STATE OF NEW YORK
OFFICE OF GENERAL SERVICES
ALBANY, N. Y.

The People of the State of New York, by the Grace of God, Free and Independent,

TO ALL TO WHOM THESE PRESENTS SHALL COME, GREETING:

Know ye, *That*, pursuant to Article 6 of the Public Lands Law, Findings of the Deputy Commissioner of General Services dated June 21, 1971, and in consideration of the sum of Two Hundred Dollars ($200.00), lawful money of the United State of America, paid by the City of Poughkeepsie, a municipal corporation, having its principal office at the Municipal Building in the City of Poughkeepsie, County of Dutchess, State of New York, and upon the conditions hereinafter expressed, we have given and granted and by these presents do give and grant unto the said CITY OF POUGHKEEPSIE, the owner of the land adjacent to the land hereinafter described, its assigns or successors in interest, the following described land, now or formerly under water to wit:—

All that tract or parcel of land now or formerly under the waters of the Hudson River situated in the City of Poughkeepsie, County of Dutchess and State of New York, bounded and described as follows:—

Parcel "A"

Beginning at a point in the westerly line of a grant of land under water to Alcander Fox by patent dated May 3, 1855, at its intersection with the division line between lands of The City of Poughkeepsie on the north and Norfe Realty Corp. on the south, said point also being 312.72 feet westerly measured at right angle from Station 382+643.58 of the monumented centerline of the Penn-Central Railroad; thence along the extension of said division line S 80° 10'00" W 28.88'; thence N 9° 55'00" W 2232.33' and N 76° 12'00" E 120.06' to the former highwater line of the Hudson River; thence along said former highwater line the following courses and distances: S 60° 25' 00" E 9.23', N 87° 15'00" E 37.00', S 72° 15'00" E 22.00', S 77° 35'00" E 55.00' and S 54° 05'00" E 224.00' to the northeasterly corner of a grant of land under water to Richard Davis by patent dated March 26, 1801; thence along the northerly side of said Davis Grant S 81°01'10" W 287.08' to the westerly line of said grant; thence along said westerly line S 8° 58'50" E 459.36' to the northwesterly corner of a grant of land under water to James Hooker by patent dated August 24, 1858; thence along the westerly side of said Hooker grant, S 10° 33'00" E 455.00' to the northwesterly corner of a grant of land under water to said James Hooker by patent dated July 26, 1855; thence along the westerly line of said Hooker grant of 1855 S 6° 15'00" E 100.00' to the westerly line of the beforementioned grant to James Hooker dated August 24, 1858; thence along said westerly line of said 1858 grant and partially along the westerly line of a grant of land under water to William Williams by patent dated November 24, 1808 S 5° 21'45" E 476.07' to the northwesterly corner of a grant of land under water—

to John Reade by patent dated February 2, 1801; thence along the westerly side of said Reade grant S 5° 55'00" E 129.00' to the northwesterly corner of a grant of land under water to Alcander Fox by patent dated May 3, 1855; thence along the westerly line of said Fox grant S 7° 19'00" E 426.04' to the point of beginning, containing 4.92 acres more or less.

All bearings are referred to the railroad meridian.

These letters patent are issued, however, and this grant is made and accepted

Upon the express condition that if at the end of five years from the date of these presents or at any time thereafter, any part of said land hereby granted is not improved as follows:

The construction of a boat basin and related park and marine facilities.

Then these letters patent and this grant shall become null and void as to the part not so improved; and no right, title or interest in and to the land above described not so improved shall vest in the said patentee or accrue by virtue of these presents; and The People of the State of New York may thereupon reenter into and become possessed of the land hereinabove described or any part thereof which has not been so improved without any liability.

There is reserved to the said people full and free right, liberty and privilege of entering upon and using all and every part of the above described land which has not been improved as aforesaid, as the said people might have done had this grant not been made.

TO HAVE AND TO HOLD the above described premises unto the said City of Poughkeepsie, for public park and recreational purposes, its grantees and successors in interest, forever, but these presents shall in no wise operate as a warranty of title.

These letters patent are issued, however, and this grant is also made and accepted upon the further condition that if at any time the land so granted shall not be used for public park and recreational purposes, or shall be used for any other purpose, the title thereto shall revert to and be in the People of the State of New York.

IN WITNESS WHEREOF, our Deputy *Commissioner of General Services has executed these letters patent in our name this* 21st *day of* June, *19*71

THE PEOPLE OF THE STATE OF NEW YORK

By Walter C. Shaw

Walter C. Shaw

DEPUTY *COMMISSIONER OF GENERAL SERVICES*

STATE OF NEW YORK }
DEPARTMENT OF STATE } ss.:

I hereby certify that the Great Seal of the State of New York was hereto affixed on the 24th *day of* June, *1971*

Thomas W. Wallace, *Executive Deputy Secretary of State*

Approved as to form this 25th *day of* June, *1971*

LOUIS J. LEFKOWITZ
Attorney General

By .....

Assistant Attorney General

Approved this 29th *day of* July, *19*71

ARTHUR LEVITT
State Comptroller

By .....

The People of the State of New York

TO

CITY OF POUGHKEEPSIE

LETTERS PATENT

STATE OF NEW YORK
Department of State

July 19, 1971
Recorded in Book of Patents

o. 81 *at page* 103

JOHN P. LOMENZO
Secretary of State

Mrs. Sara E. Horner
Principal Clerk

A SRP-16 12-65 (8D-146)

STATE OF NEW YORK
OFFICE OF GENERAL SERVICES
ALBANY, N. Y.

Appendix C

Conceptual Site Plan