RND
Services Inc.

Results of the Investigation Work Plan
(Approved November 1, 2002)

Site # V-00456-3
Index # W3-0884-01-05

Congers Colonial Plaza
285 Route 303
Congers, New York 10920

Prepared for:

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1.0 INTRODUCTION

On behalf of Mr. Joe DePaulis of DePaulis Enterprise IV, Ltd., (DePaulis) RND Services Inc. (RND) has conducted an investigation to comply with the Voluntary Cleanup Agreement entered into on August 9, 2001 by DePaulis Enterprise IV, Ltd., the "Volunteer". The scope of work was outlined in the Investigation Work Plan approved (with stipulations) by the New York State Department of Environmental Conservation (NYSDEC) on November 1, 2002 and included tasks to define the soil and groundwater conditions and methods of remediation if warranted, concerning perchloroethylene (PCE) contamination at 285 Colonial Plaza, Route 303, Congers, New York.

PCE contamination was initially identified at the site through sampling of the indoor air of two (2) units of the building located on-site. One of the units is currently vacant but was previously occupied by First Class Dry Cleaners (Drycleaner); the other unit is occupied by Tutor Time (TT), a franchised day care and pre-school learning center. Results of ambient air levels indicated that PCE exceeded the New York State Department of Health (NYSDOH) guidelines. Further investigation to determine the cause for the PCE levels in air, led to the removal of PCE contaminated soil, a subsurface investigation, which included groundwater sampling, a preliminary groundwater investigation and the installation of two vapor extraction systems. Results of these activities along with detailed background information on the Property are summarized in the Perchloroethylene Investigation Report prepared for the Property by RND dated August 2002, Revision 01.

All work outlined herein was performed by fully trained and capable personnel and was conducted according to the site health and safety plan (HASP) previously prepared for the initial investigative phase of this project and later amended to include recommendations from the NYSDOH (**Appendix A**).

2.0 SITE DESCRIPTION

2.1 Property Description

The Property is located at 285 Route 303, Congers, Rockland County, New York (**Figure 1**) and is identified as Section 129, Block A, Parcel 14 on the Town of Clarkstown Tax Assessor's Map (the Property). The Property measures approximately 2.8 acres and has been improved with a one-story brick structure currently used as the Congers Colonial Plaza, a mini-mall complex. Portions of the Property not occupied by the building, landscaping and/or woods, are covered by asphalt parking and driveways. Current occupants of the complex include a Chinese restaurant, a luncheonette, an insurance agency, a laudromat, a delicatessen and a daycare facility. Three (3) tenants occupy storage units on the basement level of the complex with access from the rear of the building – these include an ammunition retailer, a ceramic tile installer and a Tie Chi studio. The plaza is 65% occupied. A general site plan of the Property is provided as **Figure 2**. The Property is bordered on the north by a gravel driveway beyond which is an adjacent property owned by Orchard Realty, Inc. which is currently vacant. To the south of the Property is Meola Road beyond which is a small residential community consisting of four single-family dwellings. To the west of the Property is undeveloped woods and to the east of the Property is New York State Highway #5002 i.e. Route 303. Rockland Masonry, a masonry supply center and an office building are located along Route 303, east of the subject site. In the southwestern section of the Property is a low lying swamp area that is bermed and serves as a drainage basin for surface run-off from the Property.

The Property is serviced by municipal water and sewer service. There is one supply well located on the northwestern side of the Property that services the washing machines of the Laundromat only. A small lavatory is located inside the laundromat that is supplied with municipal water along with all other tenant units. Some of the properties in the general area are on well water. More detailed information is given in Section 4.2, "Well Survey".

2.2 Geological Information

Based on observations made during previous drilling activities, the soils on the Property consist predominantly of a medium brown coarse sandy clay loam. According to the Geologic Map of New York, the subsurface geology consists of variable till deposited beneath glacier ice underlain by the Brunswick Formation of the Newark Group, which comprises the regional bedrock geology. The thickness of the till is variable anywhere from 1 – 50 meters as is the bedrock, which can vary from 0 – 2,100 meters. During drilling activities bedrock was encountered between 43 and 53' below the ground surface. The principal types of rock encountered in this formation are sandstone, shale and conglomerate. Water in the Newark group mostly occurs along the bedding planes, joints and irregular fractures where it is the principal source of water in Rockland County. Groundwater in the overburden was encountered at 5 feet below grade in the wells installed in the spring of 2001 and is not used as a source of potable water for the Property. During the summer of 2002, the average depth to groundwater was recorded at 10' below grade, 5' below the average due to drought conditions which existed in the spring and summer. The Property has been mapped as a Class H-2 wetland. The Property lies approximately 230' above sea level with sloping topography to the southwest; groundwater flow beneath the Property has been determined to be to the southwest drainage area (locally referred to as Celery Farm) which is believed to eventually empty into Congers Lake to the south.

3.0 PROJECT HISTORY

In October of 2000, dry cleaning equipment in the former First Class Drycleaner was dismantled and a spill occurred which was reported to consist of residual product and waste located within the equipment. RND was requested to investigate the indoor air quality of the building, which was at the time, considered to be the only concern arising from the spill. However, it eventually became known that the spill had impacted the subsurface leaving residual vapors in the building that were verified by several air sampling events starting on December 7, 2000 and continuing until January 22, 2001. Several mechanical controls were initially employed during the various sampling events to reduce the PCE air levels in the building including:

- cleaning of the Drycleaner and TT facility
- installing exhaust fans
- placement of air treatment systems
- sealing of breeches in the smoke wall
- removal and replacement of expansion materials along walls

It did not appear however, that the PCE levels were being permanently controlled/reduced therefore, it was concluded that additional investigations were necessary to explain the resurgence in PCE air levels and define the nature of the PCE contamination.

Subsequent investigative methods included screening the interstitial space between the concrete block walls and the interior gypsum walls; core drilling through the concrete floor 6 to 9 inches below the surface and screening the interstitial space with a Photoionization Detector (PID); removal of the concrete floor and installing test pits for screening and soil sampling; sampling of the supply well; and installing soil borings and monitoring wells. The results of these activities indicated that the spill had affected the subsurface and consequently, 197.66 tons of contaminated soil were excavated for disposal (until the saturated zone was reached) concurrent with the removal of 1,900 gallons of PCE contaminated water. The excavation was backfilled in such a manner as

to accommodate a vapor extraction system, which was installed to aid in remediating the residual PCE contamination.

At the conclusion of investigative activities and soil removal, the following conclusions were made:

1) Residual concentrations of PCE above regulatory levels remained in the excavation
2) Residual concentrations of PCE above regulatory levels were detected in soil borings and in groundwater
3) No PCE was detected in the supply well
4) The outfall from a West drain pipe contained PCE above regulatory levels
5) Indoor air levels were reduced below regulatory levels
6) Two (2) footing drains were observed below the concrete floor which may have provided the pathway for the movement of PCE from the spill source.

Results of previous activities which lead to the above conclusions along with detailed background information on the Property are summarized in the Perchloroethylene Investigation Report prepared for the Property by RND dated August 2002, Revision 01. The tabulated results of previous investigations discussed in the Perchloroethylene Investigation Report are provided herein for reference in **Appendix B**.

After removal of affected soils in the basement beneath the drycleaner and the installation of the VES systems, the Tutor Time facility was conditionally opened in January 2002 provided the indoor air was sampled on a quarterly basis. The indoor air was sampled from December 2001 to February 2003. The PCE levels in air did not exceed the NYSDOH guidelines in any of the sampling events. Quarterly reports were provided to the NYSDOH and to the NYSDEC with a request for discontinuance in March 2003. Results of the air sampling can be found in **Appendix B**.

4.0 SITE SPECIFIC TASKS

The following tasks were developed to help define the residual contamination at the site. The term residual is used because a portion of the spill has been remediated with the soil removal and use of the VES systems as described in the Perchloroethylene Investigation Report. Based on available information and investigations conducted to date, it is not believed that the release occurred over a prolonged period or was an ongoing event prior to the November 2000 incident.

Previously, the focus of the investigation was on identifying the levels of PCE contamination at the Property. The scope of work has been expanded to include volatile organic compounds, thus the laboratory analyses conducted for the Investigative Work Plan included a full volatile organic scan by EPA Method 8260.

A Community Air Monitoring Plan (CAMP) was implemented in order to provide a measure of protection for the downwind community from potential airborne contaminant releases as a direct result of investigative activities, specifically drilling activities. Real time air monitoring for volatile organic compounds and particulates was conducted at the perimeter of the work area using a photoionization detector and two (2) strategically placed DUSTRACK™ moniors. Particulate concentrations were monitored continuously at the upwind and downwind perimeters of the work zone at temporary particulate monitoring stations. Downwind particulate levels did not exceed regulatory levels (1000 micrograms per cubic meter mcg/m^3 greater than background/upwind perimeter for 15-minute intervals) at any time during field activities. Additionally, no fugitive dust migration was visually noted during work activities. It is therefore believed that work activities did not lead to the spread of contamination through the air.

4.1 Geophysics Survey

A geophysics survey of the Property was originally proposed but not conducted. After discussions with the NYSDEC it was agreed that in lieu of this survey the Site Development Plan for the property would be provided that would depict the piping routes beneath the Property. A copy of the Site Development Plan approved by the Planning Board March 24, 1993 is provided in **Figure 3**. Other than information already known about the access of the spilled material to the subsurface, there appears to be no other piping connection that may have contributed to the spread of the spilled material.

4.2 Well Survey

A private and public water well survey was conducted in a 1-mile radius from the property. The survey was conducted by reviewing records of the Rockland County Health Department, the results EDR GeoCheck Report™, and by reviewing information provided in the Geology and Ground-Water Resources of Rockland County, New York. Pertinent details of the well search are provided in **Appendix C**. Several public water supply wells are located in the area along with privately owned wells that provide potable water to a number of communities in the hamlet of Congers. The location of wells in reference to the subject Property is given in a diagram in **Appendix C**. The following public water supply well were identified within a 1-mile radius of the Property:

Well Identification	Address	Identification # on Map	Last Date Sampled*
UWNY 81 (Long Close Well 81)		Not Given	
Restaurant X	117 South Route 303 Congers	1	7/31/01
Town & Country	922 Route 9W Congers	2	2/7/02
Rick's Club American	173 Lake Road Congers	3	8/29/02

* Sampled by the Rockland County Health Department

The latest sampling data (as part of the continuous check of water quality by RCHD) for these public water supply wells are provided in **Appendix C**. As indicated, the latest data presented for these wells were obtained after the PCE spill had occurred (2000) and the most recent data, from Rick's Club American, was obtained 8/28/02 after the groundwater monitoring wells on the property were sampled. None of the data has indicated VOC's above applicable groundwater criteria. Additional information on the physical characteristics (e.g. depth completed in bedrock) of the wells was not available.

A search of the records of the RCHD provided a list of twelve (12) privately owned domestic wells within the specified radius. Since the RCHD began documentation of privately drilled wells in 1989 information is only available about wells drilled since 1989. In addition to these 12 wells, field gathered information, indicates that the Property bordering the subject Property to the south (the small Meola Road group of houses) and property bordering the subject Property to the north (which is currently vacant) are on well water. The location of these private wells are indicated on the map in **Appendix C** as numbers 4 through 15 as follows:

Identification # on Map	Address	Date Permit Issued
4	Green Avenue	1989
5*	Route 9W	1990
6*	Route 9W	1990
7	111 Route 303	1992
8	150 Wells Avenue	1993
9*	Route 303	1994
10	Pollys' Lane	1996
11	Fersch Lane	1997
12	Fersch Lane	1997
13	Fersch Lane	1997
14	880 Route 9W	1997
15	850 S. Route 9W	1999

* Not mapped.

Two additional sites which are part of the NYSDEC spills database are also located within the specified 1-mile radius. Both sites have several monitoring wells as part of on-going remedial projects and are:

Identification # on Map	Address
16	Safety Kleen 68 N. Harrison Ave.
17	Wilsonart 1 Brenner Drive

Both sites are located south of the subject property and have been under investigation for VOC contamination several years prior to the discovery of the PCE spill on the Property. The most recent sampling data obtained from the RCHD is included in **Appendix C**.

The Geology and Ground-Water Resources of Rockland County, New York also identified several other wells in the area. These wells were installed prior to 1959 and the well log information was used by the USGS to determine the water usage at that time and to predict the potential water usage. Although much information is provided on the subsurface geology, bedrock type/formation in the general area, it is not known whether these wells are still part of an active system. Eight of the wells logged by the USGS were identified in a 1-mile radius of the Property in the GeoCheck Report™. Of the eight wells identified four are located topographically down gradient of the subject property. These wells are indicated in the following table.

GeoCheck Report™ ID	USGS ID	Year Installed	Well Depth	Depth To Water	Depth to Bedrock
1	Ro355	1940	140'	15'	
3	Ro361	1937	221'	2'	18'
7	Ro356	1950	153'	11.5'	12'
8	Ro358	1949	87,	13'	22'

There is one (1) onsite supply well located on the northwestern edge of the Property. Although requested, no well log was provided to RND for the supply well. The driller

who installed the well verbally informed RND that the well was completed into the bedrock at 300' below grade. RND was informed that a 10-inch pipe was installed and grouted from grade to 45' below grade; a 6-inch pipe was then installed from 45' to 90' below grade with the well being completed in the bedrock. Based on information provided by the owner, the onsite supply well located on the north side of the property is used solely to provide water for use in the machines in the laudromat. As previously mentioned, the well was sampled on 2/26/01 but no VOC's were detected in the water.

4.3 Sampling of Air Effluent From VES

To aid in venting residual PCE vapors and continue remediation of the spill, a vapor extraction system (VES) was installed in the basement of the Drycleaner. Since as much of the solid contaminated phase as was feasible was removed by excavation, the objective of the system was to vent the PCE off gassing from the saturated zone. The horizontal pipes of the system in the basement beneath the former drycleaner (VES-1) were placed at four feet below grade in backfill material approximately 1' above the water table. A VES was also installed beneath the floor of a section of TT where consistently higher PCE vapors were detected (VES-2). Three horizontal schedule 40 PVC pipes (0.020 slot) were drilled 1' into the gravel bed beneath the concrete floor. Sample ports have been installed in the manifold for each pipe and in the exhaust piping of both systems. The layout of the systems are given in **Figures 4** and **4A**. On June 17, 2002 RND obtained PID readings from the sample ports of each leg of the VES systems and from the discharge ports. An air sample from the discharge port of each VES was also collected. The samples were obtained from the discharge sample ports by filling a Tedlar™ bag, which was delivered to the laboratory. Samples were analyzed for volatile organic compounds (VOC's) by EPA Method 8260. The results of these analyses are given in **Table 1** and the laboratory data is provided in **Appendix D.**

4.3.1 Evaluation of VES-1

The PID readings (in parts per million) obtained from the individual legs/loops of VES-1 are given below. Each reading was obtained when all other loops of the system were turned off.

Date	Loop 1	Loop 2	Loop 3	Loop 4	Loop 5	Loop 6	Loop 7	Exhaust
6/17/02	1.3	0.9	1.0	0.9	0.9	2.3	0.9	1.5

The sample obtained indicated non-detectable levels of all volatile compounds except PCE which was reported at 54.4 parts per billion by volume (ppbv). Based on this information, the contaminant mass removal rate has been calculated at 0.79 pounds per day (refer to **Table 1**) which is below the acceptable NYSDEC guideline of 3.5 lbs/hour for the control of VOC's in the New York Metropolitan area (Air Guide 1: Guidelines for the Control of Toxic Ambient Air Contaminants).

4.3.2 Evaluation of VES-2

The PID readings (in parts per million) obtained from the individual legs (loops) of VES-2 are given below. Each reading was obtained when all other loops of the system were turned off.

Date	Loop 1	Loop 2	Loop 3	Exhaust
6/17/02	0.6	0.6	0.8	1.5

The sample obtained indicated non-detectable levels of all volatile compounds. Based on this information the contaminant mass removal rate has not been calculated but based on the similarity in PID reading it is not expected that the exhaust would exceed the regulatory level.

4.4 Well Installation and Sampling

4.4.1 Overburden Monitoring Well Installation

On July 2 and 3, 2002 RND installed (4) additional 2-inch diameter overburden monitoring wells (MW-4, MW-5, MW-6 and MW-7). Three (3) of the monitoring wells (MW-4, MW-5, and MW-7) were placed in the down gradient path of the PCE release radiating outward from the already three (3) existing monitoring wells and (1) monitoring well was placed in the east parking lot. Well locations are shown on **Figure 4,** Sample Location and Groundwater Contour Map. The wells were of the same construction as those already existing on the site except for size - MW-1 MW-2 and MW-3 are 4-inch diameter wells. All wells were drilled using an auger rig with the drill cuttings initially being contained in 55-gallon DOT drums. Continuous split-spoon samples were obtained using a 2' length stainless steel spoon in order to characterize the subsurface soil conditions. Soil samples were collected from either above the soil/groundwater interface or from the interval with the highest PID reading and analyzed for VOC's. Well log and construction diagrams are provided in **Appendix E**. All auger flights and split spoon equipment were decontaminated prior to each use in accordance with the NYSDEC Sampling Guidelines & Protocols and RND's Standard Operating Procedures for Field Sampling included as **Appendix F**. The monitoring wells were constructed as 2" diameter wells and except for MW-4, the screened interval was placed below the water table using 2-inch diameter factory-slotted (0.020 slot) PVC screen. PVC riser pipe with locking caps were placed on top the screened interval which was surrounded by a sand pack; a bentonite seal was placed atop the sand pack with the remaining annular space filled with a cement slurry mixture; all wells were finished as flush mounts. Following installation, wells were developed on July 9, 2002 by removing water until field parameters (temperature, pH, conductivity and turbidity) stabilized. Well development data is given in **Appendix G**. The wells were later sampled on September 12 and 13, 2002 along with the previously installed wells.

4.4.2 Bedrock Well Installation

Three (3) bedrock monitoring wells were also installed at the Property between October 24, 2002 and October 30, 2002. All bedrock wells were given the designation "B" corresponding to the associated overburden wells: one of the bedrock wells was

constructed near existing MW-3; one in the up gradient location in the east parking lot near MW-6; and one near MW-7 in the west parking lot. The bedrock wells were drilled using the rotary method of drilling. In each hole an 8" diameter hole was drilled to the top of bedrock which was encountered between 43-53' below grade. A 4-inch PVC casing was then installed and grouted in place approximately 5' into the bedrock to prevent water infiltration from the unconsolidated material. A 3-inch rock core was then advanced into the bedrock 75' for MW-7B, 72' for MW-3B and 78' for MW-6B. The rock core was retrieved and the bore hole left as the finished well. Well log and construction diagrams are provided in **Appendix E**. One sample from each bedrock well was collected on January 24, 2003 and analyzed for VOC's by EPA Method 8260.

4.4.3 Soil Sample Analysis from Overburden Well Installation

Six soil samples were collected during the overburden well installation as follows: two samples were collected from the MW-4 and MW-5 locations and one sample was collected from the MW-6 and MW-7 location. Two samples were collected and analyzed from the MW-4 and MW-5 location to represent the highest PID reading recorded and the soil/groundwater interface. It is believed that the high PID readings recorded at MW-4 is due to the instrument becoming contaminated with other substances during drilling (e.g. asphalt particles, oil soaked asphalt from car leaks). The samples were analyzed for VOC's and the results are summarized in **Table 2.** Laboratory data is provided in **Appendix D.** Only one compound was detected in the samples: 1,3,5-trimethybenzene was detected at 5 micrograms per kilogram (ug/kg) in the sample from the 1-3 foot interval from MW-4.

4.4.4 Groundwater Sample Collection and Analytical Results: Overburden Wells MW-1 – MW-7

On September 12 and 13, 2002, RND obtained groundwater samples from the previously installed monitoring wells. Two samples were collected from each of the overburden monitor wells: one sample was obtained prior to purging and another sample was obtained

after purging was complete i.e. when field parameters (temperature, pH, conductivity and turbidity) stabilized (see **Appendix G** for well development data). Prior to sample collection, the water level elevation was measured from a permanently marked point at the top of the PVC riser to allow the depth to water to be determined using an oil/water interface probe. The average depth to water measured was 10'. Typically depth to water is approximately 5' below grade but due to an uncharacteristically dry season in which drought conditions were prevalent, the depth to water was 5' below normal. Each well was purged using a submersible pump set at the bottom of the well. The first water flowing from the pump upon initiation was collected for analysis from each well. The headspace PID reading upon opening each well was also recorded. The PID headspace readings (ppm) recorded for the wells upon opening were as follows:

MW-01	MW-02	MW-03	MW-04	MW-05	MW-06	MW-07
0	0	0.7	7.8	29.5	31	22.4

All purged water was initially contained in 55-gallon drums for later disposal if necessary. Five of the seven wells were purged to dryness before field parameters stabilized and allowed to recharge before post-purge samples were collected (the average wait time was 10 minutes). Except for the sample collected from MW-6, which was collected directly from the pump, each sample was obtained using a new disposable bailer and placed in laboratory-supplied containers. All pre-purge samples were collected directly from the pump. Samples were placed in laboratory supplied containers and delivered to York Analytical Laboratory of Stamford, Connecticut, a NYSDOH certified laboratory. All samples were analyzed for VOC's by EPA Method 8260.

The groundwater sample results are summarized in **Table 3** and the laboratory data is provided in **Appendix D.** The results indicate levels of PCE above the Groundwater Standard of 5 ug/l in one of the three monitoring wells: MW-03 indicated 170 ug/l PCE in the pre-purge and 180 ug/l PCE in the post purge sample. (Comparatively, the only monitor well with PCE above regulatory levels in the March 2001 sampling was MW-

02). None of the other wells reported PCE concentration in either of the samples taken. Two VOC'c (1,2-dichloroethylene and trichloroethylene) were detected in MW-02 but at levels below the groundwater standards for each compound.

4.4.5 Groundwater Sample Collection and Analytical Results: Bedrock Wells

On January 24, 2003, RND obtained samples from the previously installed bedrock wells. Two samples were collected from each of the wells: one sample was obtained prior to purging and another sample was obtained after purging was complete i.e. when field parameters (temperature, pH, conductivity and turbidity) stabilized (**Appendix G**). Prior to sample collection, the water level elevation was measured from a permanently marked point at the top of the PVC riser to allow the depth to water to be determined using an oil/water interface probe. The average depth to water measured was 14.7'. Each well was purged using a submersible pump set at the bottom of the well. The first water flowing from the pump upon initiation was collected for analysis from each well. All purged water was initially contained in 55-gallon drums for later disposal if necessary. Samples were collected directly from the pump into laboratory-supplied containers and delivered to York Analytical Laboratory of Stamford, Connecticut, a NYSDOH certified laboratory. Only the post purge samples were submitted for analyses. All samples were analyzed for VOC's by EPA Method 8260.

The groundwater sample results are summarized in **Table 4** and the laboratory data is provided in **Appendix D.** The results indicated the presence of three tri-halomethane compounds in the samples. Only one compound, chloroform was shown to be above the groundwater criteria of 5 ug/l. Chloroform was reported in MW-3B and MW-7B at 12 and 34 ug/l respectrively. Chloroform may be found as a laboratory contaminant but in general, tri-halomethanes are more typically the results (bi-products) of chlorination to a water supply.

4.5 Sampling of Effluent and Sediment From West Footing Drain

During previous investigations, a PVC drain pipe was observed exiting the curb bank of the parking lot along the western section of the Property. (In previous correspondence this drain was incorrectly identified as the west storm drain.) It is believed that this footing drain traverses the perimeter of the eastern side of the building starting in the area of the former Drycleaner and terminating in the bank. A sample taken from the outfall and sediment from the West footing drain (identified in previous laboratory reports as the West Storm Drain) indicated PCE concentrations above regulatory levels. RND had proposed to further characterize the outfall from the West footing drain but could not locate the pipe on return to the Property thus this location has not be re-sampled to date. RND will attempt to sample this drain again in the fall when the overgrowth/vegetation has receeded. Results will be forwarded as an addendum to this report.

4.6 Sampling of Southwest Drainage Area

Adjacent to the southwestern section of the Property is a low-lying swamp area that is bermed and serves as a drainage basin for surface run-off from the Property. This area is identified as a separate block and lot on the tax assessor's map and is owned by DePaulis Enterprise V, Ltd. (It should be noted that this is the only bordering property for which additional investigations were conducted). Also terminating in this drainage area is the West Storm Drain that is located along the southern wall of the building. This drain exits the building in front of TT and reportedly traverses the perimeter exterior of the building and is believed to empty at the rear of the building parking lot terminating in the drainage area. RND collected and analyzed seven sludge/sediment samples from an area approximately 400 square feet in size. Samples were collected on June 14 and 16, 2002. Two samples were obtained from each location: one sample from the 0-2-feet interval (designated "A") and another sample from the 2-4 feet interval (designated "B") using a hand auger. Each sample interval was screened with a PID but no PID readings were found in any of the samples. It was the intention to analyze samples consecutively on a 72-hour TAT staggered basis for VOC's and for Total Organic Carbon (TOC) however no VOC's were detected in the 0-2' interval therefore no further samples were analyzed.

Laboratory results are summarized on **Table 5** and the laboratory data is provided in **Appendix D.**

5.0 CONCLUSIONS AND RECOMMENDATIONS

The following conclusions and recommendations are based upon the observations made to date and the results of laboratory analysis.

Based on discussions with the owner concerning his knowledge of the daily operations of the drycleanner it was not believed that the spill was an on going event but rather a single occurrence in October 2000. RND has previously suggested that the rapid response to remediate and control the effects of the spill most likely resulted in a lesser impact than would have otherwise occurred. Based on the estimated quantity and type of material spilled, (approximately 80 gallons of a PCE and water mixture) RND believes that the initial removal of PCE contaminated soil (197.66 tons) and water (1900 gallons) contributed greatly to the reduction in size of impact to the soil and groundwater beneath the Property. The goal of the tasks conducted as part of this investigation were to more completely identify the radius of contamination beyond the footprint of the building.

Seven (7) overburden wells and 3 bedrock wells have been installed on the Property. Based on groundwater information obtained from the wells a groundwater contour map has been developed (Figure 5) which indicates that local groundwater flow is to the southwest, as anticipated. The only two wells in which VOC's have been shown to be present above NYSDEC standards are MW-2 and MW-3. VOC's in these 2 wells were present on two different sampling occasions: on March 13, 2001 VOC's were present in MW-2 above the groundwater criteria and in June of 2003 VOC's were present in MW-3 above the groundwater criteria. Even though MW-3 contained VOC's the corresponding bedrock well, MW-3B, did not indicate the presence of VOC's in the underlying aquifer neither did the other 2 bedrock wells. Additionally, the supply well that is completed over 200' deeper into the bedrock than the bedrock monitoring wells, did not contain VOC's. Therefore it is not believed that the spill on the Property has had an adverse effect on the quality of the water in the underlying aquifer. It should also be noted that samples from MW-7, which is the most downgradient well on the Property and would be the first indication of off-site contamination, have not contained VOC's in any of the

sampling events. The Property has been classified as a class H-2 wetland with shallow ground water and streams that run underneath the Property. It would appear that these conditions would enhance the spread of VOC contamination the evidence of which would most probably be seen in the wells beginning with the first sampling event. However, the VOC concentrations reported have not indicated a large radius of influence (only 2 of the 10 wells have contained VOC's).

Based on the above and the results of samples taken from within the drainage area to the southwest of the Property (which did not contain any VOC's) it is believed that the movement of VOC's has been very limited. However, due to the presence of VOC's in one well, RND recommends an additional round of sampling to include selected wells MW-2, MW-3, MW-3B and MW-7. Sampling of these wells will serve to confirm the presence of VOC's (MW-2 and MW-3), ensure the associated underlying aquifer has not been impacted (MW-3B), and confirm that VOC movement off the Property is not occurring (MW-7). If the VOC concentration and locations indicate an increase, the need for a remedial system, for example a pump and treat system where the groundwater is pumped from beneath the former drycleaner or the treatment of the groundwater by the application of an oxidizing agent to chemically oxidize the VOC's, should be considered. Access is already in place to accommodate these remedial options if necessary (Refer to Figure 4 – VES Layout). At this time there is no evidence to suggest a widespread movement of contaminant beyond the footprint of the building. However, it is believed that residual contamination remains within the footprint of the building based on the last water sampling conducted from the sump pit inside the basement of the former drycleaner (3/2/01). RND suggests re-sampling the water in sump pit at this time to further determine whether the two remedial options mentioned above should be considered and implemented.

RND does not believe additional investigation in the drainage area is necessary. As mentioned in the body of the report, RND will attempt to sample the "West drain pipe" later in the fall. Additional recommendations concerning the results of this sampling will be made at that time if necessary.

The use of the blowers has aided in controlling the indoor air levels of PCE inside TT and maintaining acceptable levels (levels below the health standards). Even though the exhaust levels from the blowers are below the acceptable rate of discharge, RND believes that in order to permanently discontinue use of the blowers, the conditions inside TT would have to be monitored for a period of time while the blowers are off. The sampling of TT over the last year have all been conducted with the blowers in operation however, RND does not believe that additional sampling of the VES's is warranted at this time. Additionally, any remedial methods implemented to treat residual contamination within the footprint of the building will have a direct impact on further reducing PCE vapors in the TT facility.

Based on data collected to date, there are no indications of off-site contaminant migration to surrounding areas. The well search identified several wells in the surrounding area and except for the wells located on Meola Road none appear to be in the direct down gradient path of the subject property. Because there are no indications of VOC's in MW-5 and MW-7 (which are the closest wells to Meola Road) RND does not believe that these wells have been impacted by the spill. As stated previously, the recommendation is being made to re-sample MW-7 to ensure that off-site migration is not occurring.

REFERENCES

1. Sampling Guidelines and Protocols, Bureau of Spill Prevention and Response, Division of Water New York State Department of Environmental Conservation, March 1991.
2. Division Technical and Administrative Guidance Memorandum: Determination of Soil Cleanup Objectives and Cleanup Levels, New York State Department of Environmental Conservation, January 1994.
3. Guidelines for the Control of Toxic Ambient Air Contaminants, Division of Air Resources, New York State Department of Environmental Conservation, November 1997
4. Geology and Ground-Water Resources of Rockland County, New York, U.S Geological Survey, 1959

TABLE 1
VES Sample Results
Congers Colonial Plaza
Congers, New York

June 17, 2002

Sample Location	VES-1	VES-2
Laboratory Identification	02060481-01	02060481-02
Volatile Organic Compounds (ppbv)		
Tetrachloroethylene	54.4	ND

Notes:
Only those compounded detected are indicated.
ppbv - parts per billion by volume

Contaminant (tetrachloroethylene) Mass Removal Rate Calculated for VES-1

R = 0.0897 * C * Q
R = 0.0897 * 0.054 * 164
R = 0.79/lbs/day

Where,
R = contaminant removal rate (lbs/day)
C = contaminant concentration air emission (mg/L)
Q = discharge rate (ft^3/min)

REF: c//PF/CP/IWP-VES061703

TABLE 2
Soil Sample Results from Monitor Well Installation
July, 2, 2002

Congers Colonial Plaza
Congers, New York

Soil Sample Location	MW-4	MW-4	MW-5	MW-5	MW-6	MW-7	Recommended Soil Cleanup Objective (ug/kg)
Sample Depth (ft.)	1-3	3-5	0-2	6-8	5-7	9-11	
Laboratory Identification	02070187-01	02070187-02	02070187-03	02070187-04	02070187-05	02070187-06	
Volatile Organic Compounds (ug/kg)							
1,3,5-Trimethylebenzene	5	ND	ND	ND	ND	ND	NA

Notes:
Only those compounded detected are indicated.
ug/kg - micrograms per kilograms
NA - Not Applicable
ND - Not Detected

TABLE 3
Groundwater Sample Results
September 12-13 2002

Congers Colonial Plaza
Congers, New York

Sample Identification	MW-01A	MW-01B	MW-02A	MW-02B	MW-03A	MW-03B	MW-04A	MW-04B	MW-05A	MW-05B	MW-06A	MW-06B	MW-07A	MW-07B	Groundwater Standards (ug/l)
Volatile Organic Compounds (ug/l)															
Tetrachloroethylene	ND	ND	ND	ND	170	180	ND	ND	ND	ND	ND	ND	ND	ND	5
1,2-Dichlorethylene	ND	ND	2	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
Trichloroethylene	ND	ND	3	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5

Notes:
Only those compounded detected are indicated.
ug/l - micrograms per liter
ND - Not Detected

TABLE 4
Sample Results From Bedrock Wells
January 24, 2003

Congers Colonial Plaza
Congers, New York

Sample Identification	MW-3B	MW-6B	MW-7B	Groundwater Standards (ug/l)
Volatile Organic Compounds (ug/l)				
Chloroform	12	2	34	7
Bromodichloromethane	ND	ND	4	NA
Toluene	2	ND	ND	5

Notes:
Only those compounded detected are indicated.
ug/l - micrograms per liter
ND - Not Detected
NA - Not Applicable

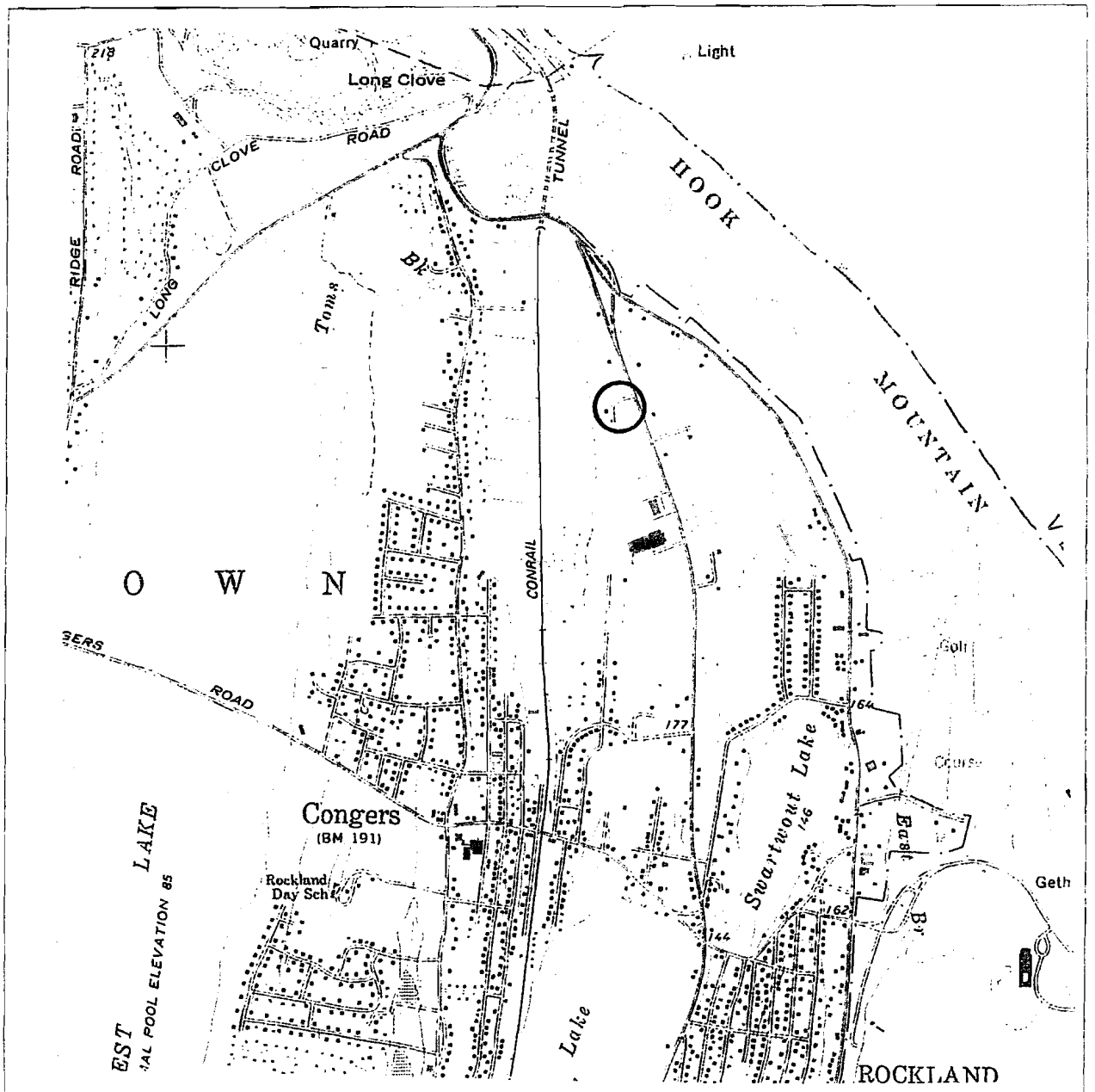
TABLE 5
Sample Results from Drainage Area
June 14 and16 2002

Congers Colonial Plaza
Congers, New York

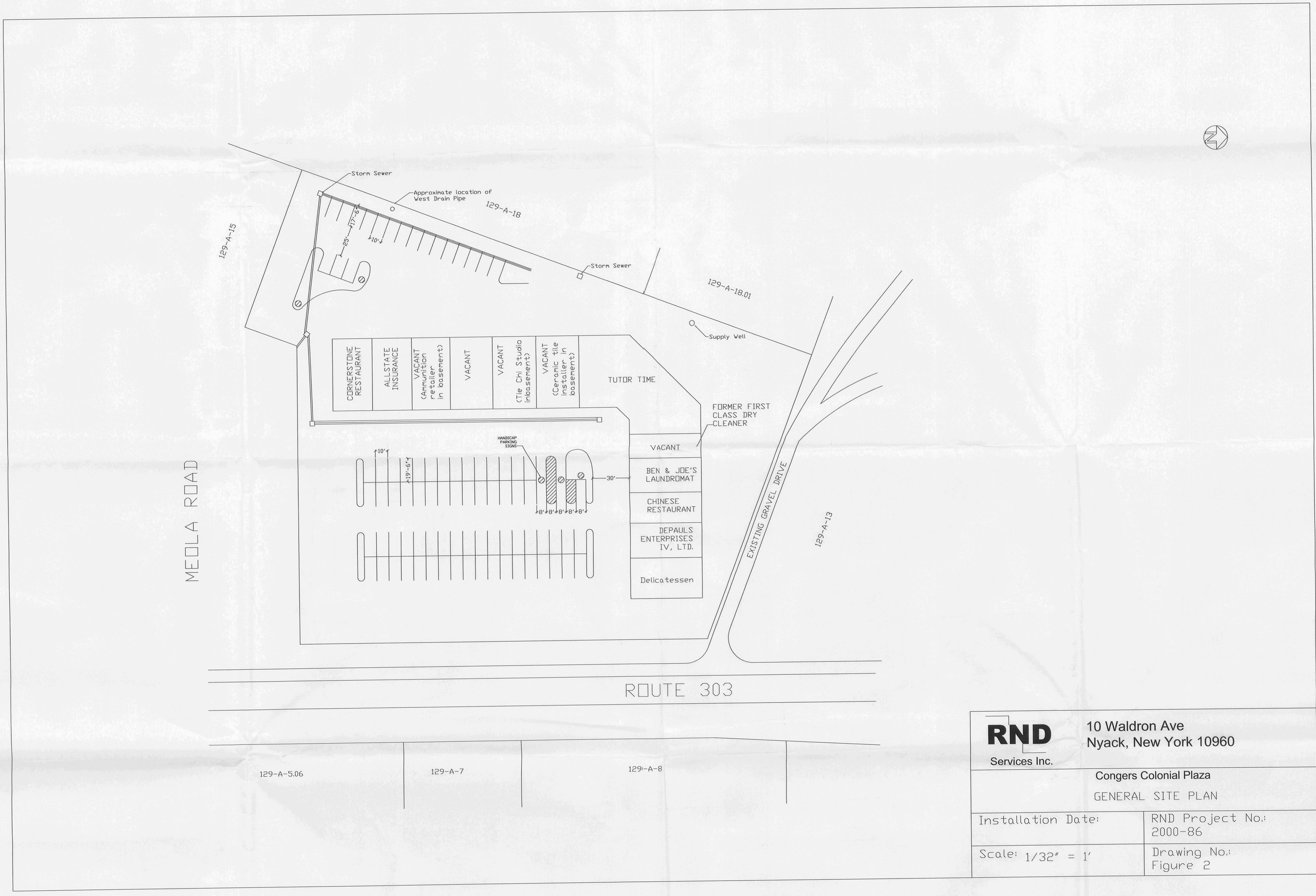
Sample Identification	SDA-3A	SDA-4A	SDA-5A	SDA-6A	SDA-7A	SDA-8A	SDA-9A	RSCO
Volatile Organic Compounds (mg/kg)	ND	ND	ND	ND	ND	ND	ND	<10
Total Organic Carbon (mg/kg)	5700	NA	NA	2700	NA	1300	7100	NA

Notes:
Only those compounded detected are indicated.
RSCO - Recommended Soil Cleanup Objective
ND - Not Detected
NA - Not Analyzed

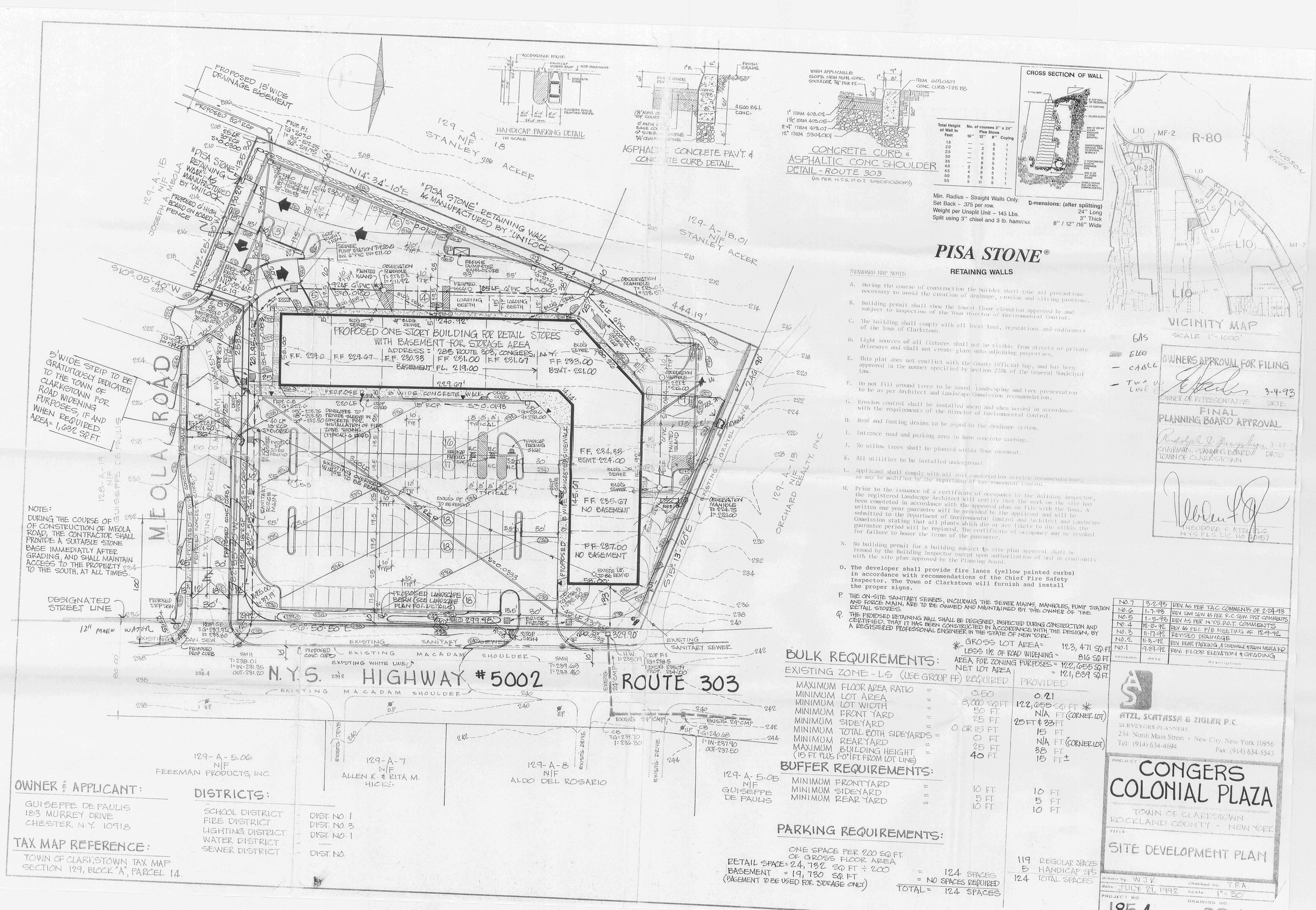
REF: c//cPF/CP/IWP Table 5 DA



RND Services Inc.	10 Waldron Avenue Nyack, NY 10960
285 Route 303, Congers NY Site Location Map	
Installation Date:	RND Project No.: 2001-60
Scale: USGS Topographic	Drawing No.: Figure 1



RND Services Inc.	10 Waldron Ave Nyack, New York 10960
Congers Colonial Plaza GENERAL SITE PLAN	
Installation Date:	RND Project No.: 2000-86
Scale: 1/32" = 1'	Drawing No.: Figure 2



Total Height of Wall in Feet	No. of courses 3" x 24" Pisa Stone 16"	12"	8"	Coping
1.5	—	—	5	1
2.0	—	2	5	1
2.5	—	4	5	1
3.0	—	6	5	1
3.5	—	8	5	1
4.0	2	8	5	1
4.5	4	8	5	1
5.0	5	9	5	1
5.5	5	11	5	1

CROSS SECTION OF WALL

Min. Radius – Straight Walls Only.
Set Back – .375 per row.
Weight per Unsplit Unit – 145 Lbs.
Split using 3" chisel and 3 lb. hammer.

Dimensions: (after splitting)
24" Long
3" Thick
8" / 12" /16" Wide

PISA STONE®

RETAINING WALLS

VICINITY MAP
SCALE 1" = 1000'

GAS
ELEC
— CABLE
— TWA W LINE

STANDARD MAP NOTES

A. During the course of construction the builder shall take all precautions necessary to avoid the creation of drainage, erosion and silting problems.

B. Building permit shall show the lowest floor elevation approved by and subject to inspection of the Town Director of Environmental Control.

C. The building shall comply with all local laws, regulations and ordinances of the Town of Clarkstown.

D. Light sources of all fixtures shall not be visible from streets or private driveways and shall not create glare onto adjoining properties.

E. This plat does not conflict with the County Official Map, and has been approved in the manner specified by Section 239K of the General Municipal Law.

F. Do not fill around trees to be saved. Landscaping and tree preservation to be as per Architect and Landscape Commission recommendation.

G. Erosion control shall be installed where and when needed in accordance with the requirements of the Director of Environmental Control.

H. Roof and footing drains to be piped to the drainage system.

I. Entrance road and parking area to have concrete curbing.

J. No willow trees shall be planted within Town easement.

K. All utilities to be installed underground.

L. Applicant shall comply with all soil conservation service recommendations, as may be modified by the Department of Environmental Control.

M. Prior to the issuance of a certificate of occupancy by the Building Inspector, the registered Landscape Architect will certify that the work on the site has been completed in accordance with the approved plan on file with the Town. A written one year guarantee will be provided by the applicant and will be submitted to the Department of Environmental Control and Architect and Landscape Commission stating that all plants which die or are likely to die within the guarantee period will be replaced. The certificate of occupancy may be revoked for failure to honor the terms of the guarantee.

N. No building permit for a building subject to site plan approval shall be issued by the Building Inspector except upon authorization of and in conformity with the site plan approved by the Planning Board.

O. The developer shall provide fire lanes (yellow painted curbs) in accordance with recommendations of the Chief Fire Safety Inspector. The Town of Clarkstown will furnish and install the proper signs.

P. THE ON-SITE SANITARY SEWERS, INCLUDING THE SEWER MAINS, MANHOLES, PUMP STATION AND FORCE MAIN, ARE TO BE OWNED AND MAINTAINED BY THE OWNER OF THE RETAIL STORES.

Q. THE PROPOSED RETAINING WALL SHALL BE DESIGNED, INSPECTED DURING CONSTRUCTION AND CERTIFIED, THAT IT HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE DESIGN, BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF NEW YORK.

OWNERS APPROVAL FOR FILING
3-4-93
OWNER OR REPRESENTATIVE DATE

FINAL PLANNING BOARD APPROVAL
Rudolph J. Yacyshyn 3-29-93
CHAIRMAN, PLANNING BOARD DATE
TOWN OF CLARKSTOWN

THEODORE F. ATZL, P.L.S.
N.Y.S. P.L.S. LIC. NO. 40157

*- GROSS LOT AREA = 123, 471 SQ. FT.
LESS 1/2 OF ROAD WIDENING = 816 SQ. FT.
AREA FOR ZONING PURPOSES = 122,655 SQ. FT.
NET LOT AREA = 121,839 SQ. FT.

BULK REQUIREMENTS:

EXISTING ZONE - LS (USE GROUP FF)		REQUIRED	PROVIDED
MAXIMUM FLOOR AREA RATIO	=	0.50	0.21
MINIMUM LOT AREA	=	8,000 SQ. FT.	122,655 SQ. FT. *
MINIMUM LOT WIDTH	=	50 FT.	N/A FT. (CORNER LOT)
MINIMUM FRONT YARD	=	25 FT.	25 FT & 33 FT.
MINIMUM SIDEYARD	=	0 OR 15 FT.	15 FT.
MINIMUM TOTAL BOTH SIDEYARDS	=	0 FT.	N/A FT. (CORNER LOT)
MINIMUM REARYARD	=	25 FT.	38 FT.
MAXIMUM BUILDING HEIGHT (15 FT. PLUS 1'-0"/FT. FROM LOT LINE)	=	40 FT.	15 FT. ±

BUFFER REQUIREMENTS:

MINIMUM FRONTYARD	=	10 FT.	10 FT.
MINIMUM SIDEYARD	=	5 FT.	5 FT.
MINIMUM REAR YARD	=	10 FT.	10 FT.

PARKING REQUIREMENTS:

ONE SPACE PER 200 SQ. FT. OF GROSS FLOOR AREA
RETAIL SPACE = 24,732 SQ. FT. ÷ 200 = 124 SPACES
BASEMENT = 19,730 SQ. FT = NO SPACES REQUIRED
(BASEMENT TO BE USED FOR STORAGE ONLY)
TOTAL = 124 SPACES

119 REGULAR SPACES
5 HANDICAP SPS
124 TOTAL SPACES

OWNER & APPLICANT:

GUISEPPE DE PAULIS
183 MURREY DRIVE
CHESTER, N.Y. 10918

TAX MAP REFERENCE:

TOWN OF CLARKSTOWN TAX MAP
SECTION 129, BLOCK "A", PARCEL 14.

DISTRICTS:

SCHOOL DISTRICT - DIST. NO. 1
FIRE DISTRICT - DIST. NO. 3
LIGHTING DISTRICT - DIST. NO. 1
WATER DISTRICT - —
SEWER DISTRICT - DIST. NO.

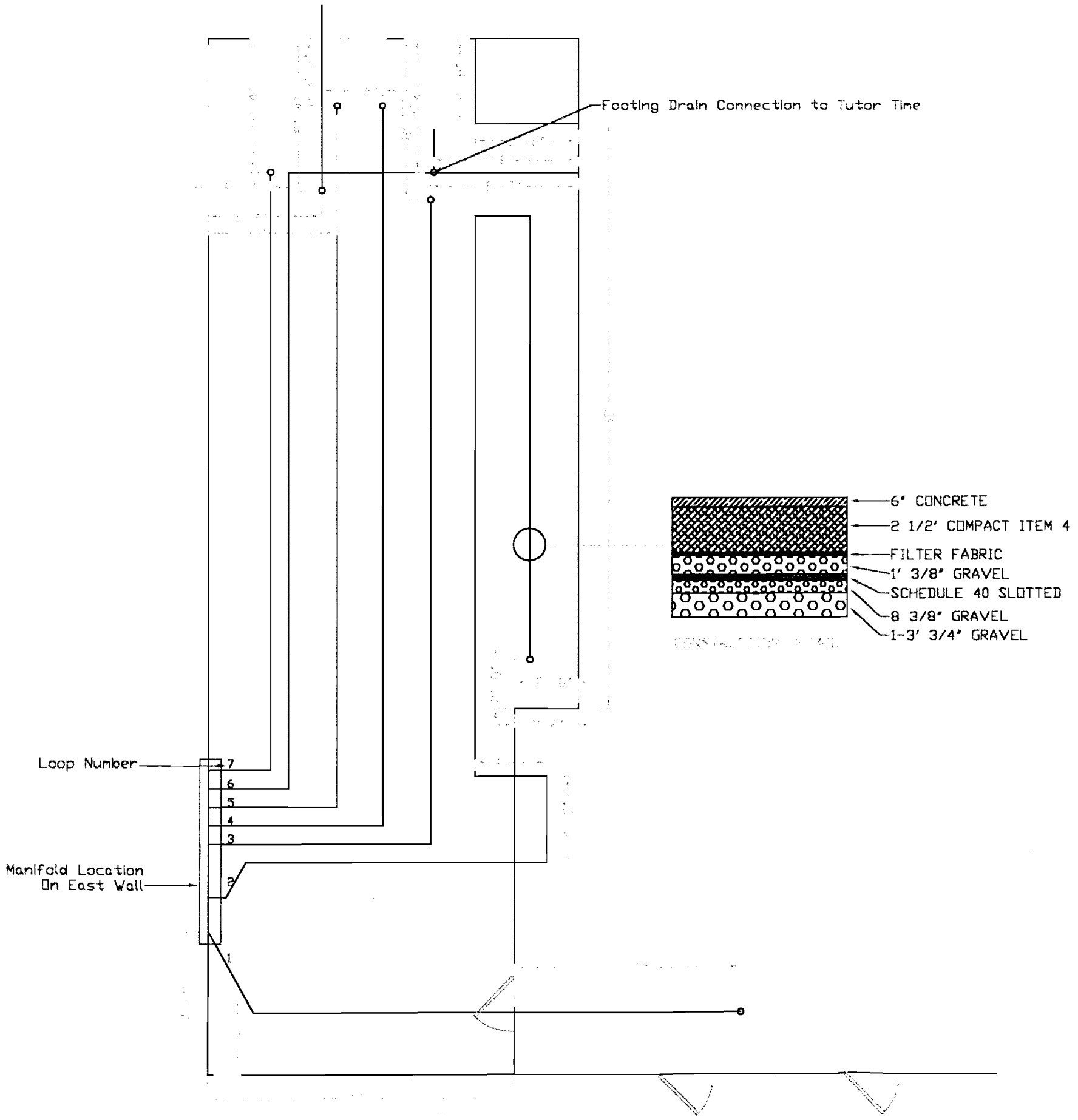
revision	date	description
NO. 7	3-2-93	REV. AS PER T.A.C. COMMENTS OF 2-24-93
NO. 6	1-7-93	REV. SAN SEW AS PER R.C. SEW. DIST COMMENTS
NO. 5	1-5-93	REV AS PER N.Y.S. D.O.T. COMMENTS
NO. 4	12-10-92	REV AS PER P/B MEETING OF 12-9-92
NO. 3	11-17-92	REVISED DRAINAGE
NO. 2	11-3-92	REV REAR PARKING, & SIDEWALK & DRAIN MEOLA RD
NO. 1	9-29-92	REV. FLOOR ELEVATION & GRADING

ATZL, SCATASSA & ZIGLER P.C.
SURVEYORS-PLANNERS
234 North Main Street • New City, New York 10956
Tel: (914) 634-4694
Fax: (914) 634-5543

PROJECT:
CONGERS COLONIAL PLAZA
TOWN OF CLARKSTOWN
ROCKLAND COUNTY • NEW YORK

TITLE:
SITE DEVELOPMENT PLAN

drawn by: W.J.K.
checked by: T.F.A.
date: JULY 21, 1992
scale: 1" = 30'
PROJECT NO.:
DRAWING NO.:

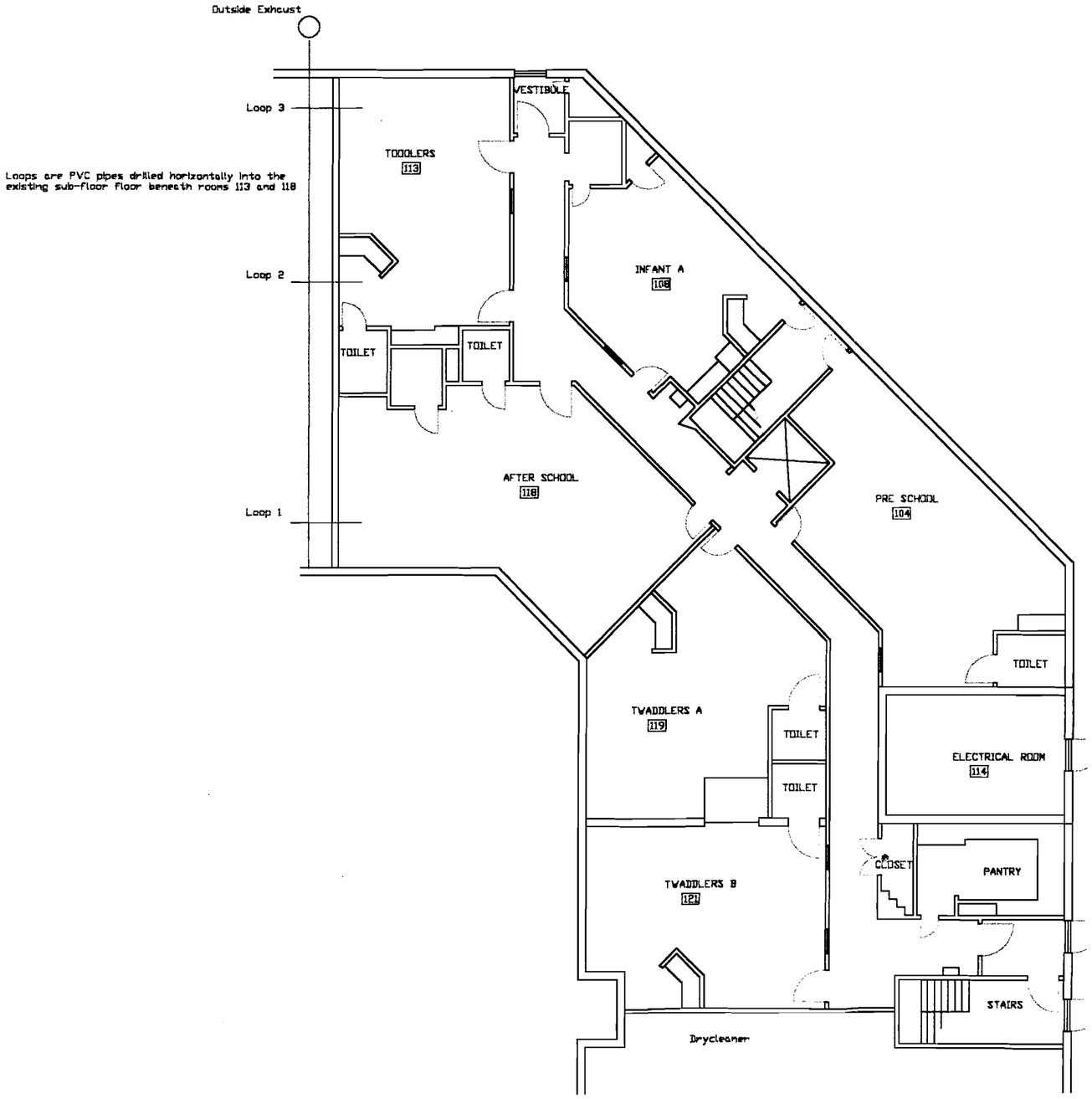


RND Services Inc.

10 Waldron Ave
Nyack, New York 10960

Congers Colonial Plaza
VES-1

Installation Date:	RND Project No.: 2000-86
Scale: 1/4" = 1'	Drawing No.: Figure 4

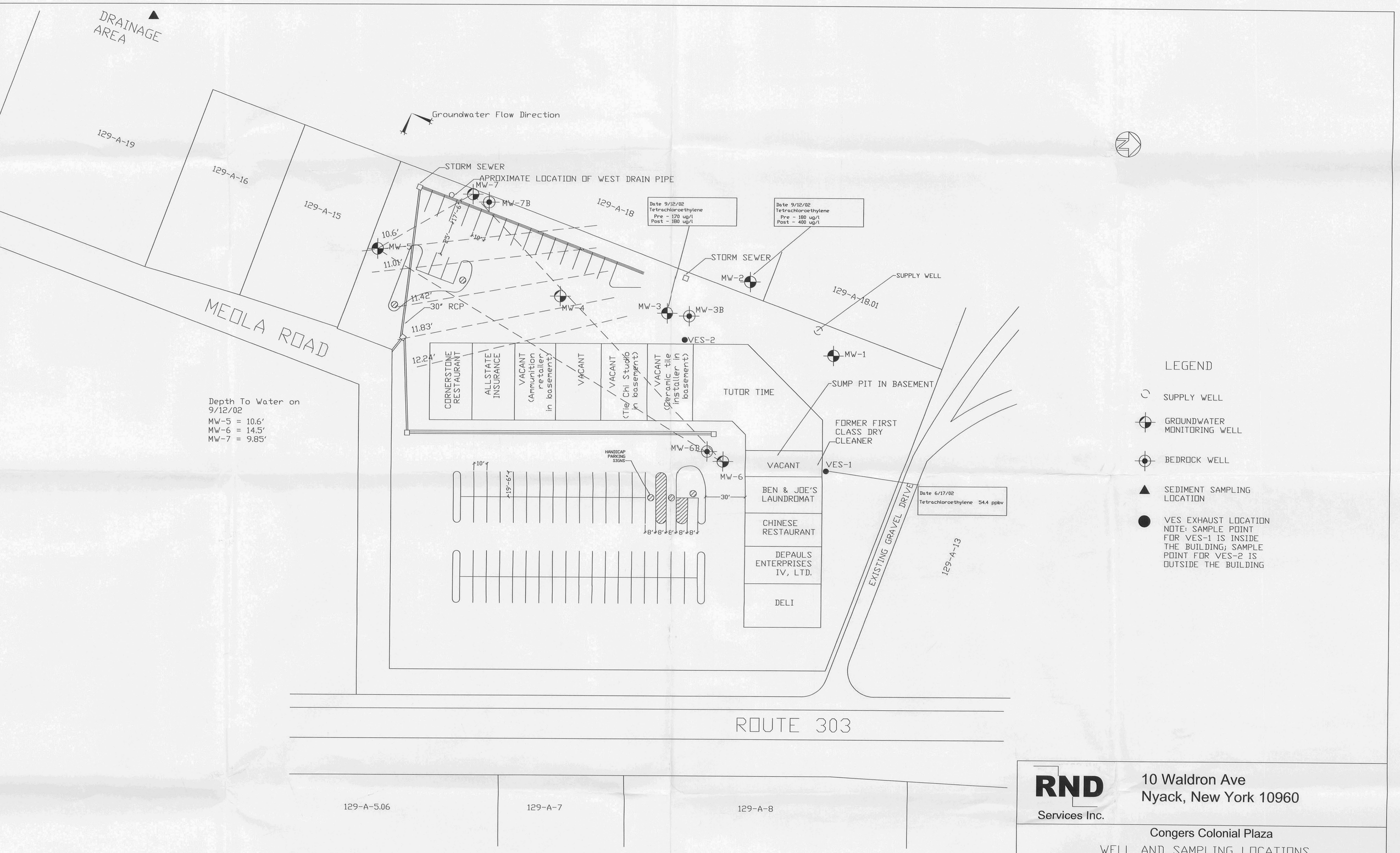


RND Services Inc.

10 Waldron Avenue
Nyack, New York 10960

Location of VES-2
Beneath TUTOR TIME

Installation Date:	RND Project No.: 2002-58
Scale: NONE	Drawing No.: Figure 4A



RND Services Inc.

10 Waldron Ave
Nyack, New York 10960

Congers Colonial Plaza

WELL AND SAMPLING LOCATIONS

Installation Date:	RND Project No.: 2000-86
Scale: 1/32" = 1'	Drawing No.: Figure 5

APPENDIX A
SITE HEALTH AND SAFETY PLAN

HEALTH AND SAFETY PLAN
(Modified for Investigation Work Plan)

CONGERS COLONIAL PLAZA
285 ROUTE 303
CONGERS, NEW YORK 10920

PREPARED BY:

RND SERVICES INC.
10 WALDRON AVENUE
NEW YORK, NY10960

PREPARED FOR:

MR. JOSEPH DEPAULIS
DEPAULIS ENTERPRISE IV
COLONIAL PLAZA
ROUTE 303
CONGERS, NEW YORK 10920

FEBRUARY 2002

CONGERS COLONIAL PLAZA
285 Route 303
Congers, New York 10920

HEALTH AND SAFETY PLAN

Table of Contents

CONGERS COLONIAL PLAZA
285 Route 303
Congers, New York 10920

1.0 INTRODUCTION

It is the intent and purpose of this Health and Safety Plan to provide involved personnel with guidelines regarding some health and safety issues to minimize the risk of injury to on-site authorized personnel and to provide rapid response in the event of injury. Reasonable precautions will be taken to prevent unauthorized access to the project work site. The provisions of this HASP do not replace or supersede any regulatory requirements.

2.0 SITE HISTORY AND PHYSICAL DESCRIPTION

The site is a mini-mall complex located at Congers Colonial Plaza, 285 Route 303, Congers, Rockland County, New York. This project was the result of a perchloroethylene (PCE) spill that occurred in a single unit of the complex. The unit is located on the first level of the complex and measures approximately 1,232 square feet. The unit was occupied by First Class Dry Cleaners (Drycleaner) from March 11, 1994 until March of 2000. Beneath the unit is a basement which was never occupied by the dry cleaning operation but was used for storage of miscellaneous consumer merchandise for other retail establishments located within the complex. The unit adjacent to the Drycleaner on the west is occupied by Tutor Time (TT), a franchised day care and pre-school learning center; the unit adjacent to the Drycleaner on the east is occupied by Ben and Joe's Laundromat. Only the units to the west of the Drycleaner possess a basement floor; the units to the east of the Drycleaner are slab on grade. An asphalt parking lot surrounds the complex on the east, south and west sides. On the north side of the property is a wood chip cover area underlain by a concrete mat that is used as a play area for the preschool.

PCE contamination was initially identified at the site through sampling of the indoor air of two (2) units of the building: the now vacant Drycleaner unit and Tutor Time facility. Results of ambient air levels indicated that PCE exceeded the New York State Department of Health (NYSDOH) guidelines. Further investigation to determine the cause for the PCE levels in air, led to the removal of PCE contaminated soil, a subsurface investigation, which included groundwater sampling, a preliminary groundwater investigation and the installation of two vapor extraction systems. Since there have been remedial efforts in the form of soil removal and vapor extraction, the next phase of work will involve an Investigative Work Plan designed to define the nature and extent of residual contamination at the site. This HASP addresses the issues that may be encountered during this phase of work.

3.0 SCOPE OF WORK AND PURPOSE OF VISIT

The purpose of the work to be conducted is to investigate the residual PCE contamination in soil and groundwater at the property. The investigation will consists of the following tasks:

- Geophysics Survey
- Well Survey
- Sampling of Air Effluent From VES
- Overburden Well Installation and Sampling
- Bedrock Well Installation and Sampling
- Sampling of Existing Monitoring Wells
- Sampling of Effluent and Sediment From West Storm Drain
- Characterize Volatile Organic Compounds in Southwest Drainage Area

4.0 STANDARD SAFE WORK PRACTICES

1. Prior to the start of each workday, the work area will be surveyed by RND Services Inc. (RND) Project Supervision to determine the appropriate level of personnel protection required. The Project Supervisor will then hold a brief meeting to update the crew on site conditions.

2. All site boundaries marking the work zones will be clearly marked; site access, exit and escape routes established; bathrooms, telephone, water source, site contacts and emergency procedures will be communicated to every crew member on site.

3. Proper safety equipment will be worn at all times in the work area.

4. Eating, drinking, chewing gum or tobacco and smoke will be prohibited in the work area.

5. Running or horse playing in the work area will be prohibited.

6. Avoid contact with potentially contaminated substances. Do not walk through puddles, pools, mud etc. Avoid kneeling on the ground, leaning or sitting in the work area. Do not keep monitoring instruments on potentially contaminated surface.

7. Exercise extreme caution to avoid spillage; any spilled material must be cleaned up immediately.

8. All field personnel are strongly encouraged to be alert at all times and to make full use of their senses to identify potentially dangerous situations to life and health.

9. Prior to leaving the work area the area will be surveyed to ensure that all air lines, pumps, hoses are depressurized and secured to prevent leakage of residual liquids.

10. At the end of each workday, the work area will be cleaned and secured as needed. All contaminated equipment will be decontaminated including reusable PPE before leaving the site at the end of the day/project.

11. All wastes generated during site activities will be disposed of as directed by the Site Supervisor.

12. RND personnel assigned to hazardous waste clean-up duties have met the OSHA safety training requirements as outlined in 29 CFR 1910-120.

13. RND crew vehicles shall have on board a minimum of one first aid kit for on site mishaps. Major injuries will be refereed to outside professionals. As a precaution, all personnel are urged to avoid any contact with blood and body fluids to minimize exposure to dangerous viruses and other blood borne pathogens.

5.0 POTENTIAL SITE HEALTH AND SAFETY HAZARDS

The following list contains potential health and safety hazards expected to be encountered at the project site and some actions to be implemented by the involved personnel to minimize the associated risk to health and safety.

Injury from Perchloroethylene Liquid and Wastewater Handling

Potential Hazard

- It is possible that water may be ponded within the gravel bed of the foundation that has been contaminated with PCE. There is also a slight possibility that separate phase PCE product may be encountered. Contact with PCE and/or PCE contaminated water may cause acute and chronic health hazards.
- Acute health hazards include severe irritation to the eyes, redness, tearing and blurred vision.
- Prolonged or repeated contact with the skin can cause irritation, deffatting and dermatitis. Excessive inhalation can cause dizziness headache and fatigue
- PCE has been identified as a carcinogen by IARC
- Chronic overexposure may cause liver abnormalities kidney damage, spleen damage and brain damage.

Protective Action

- ✓ Persons operating drill rigs, jackhammers or other type equipment used to penetrate the subsurface will be required to wear level D protective equipment (see section 6.0) at all times.
- ✓ The working conditions will be continuously monitored with a PID
- ✓ Work will cease if PID levels become greater than 25 ppm; at this point crew members in the work zone will be upgraded to level C equipment
- ✓ Once PID levels become greater than 100 ppm, workers will be upgraded to level A equipment
- ✓ 20% of employees will be monitored with PCE badges to establish exposure levels while in level C
- ✓ Eyewash kits will be provided and properly maintained by the Project Supervisor.

Injury due to PCE (Organic) Vapors

Potential Hazard

- ❑ It is anticipated that PCE vapors will be released during drilling of subsurface soils.

Protective Action

- ✓ All precautions taken to avoid injury due to PCE liquid waste as described above will be followed

Head and Body Injury

Potential Hazard

- ❑ Due to the need for lifting, materials handling and other construction equipment at the project site, head and body injuries are possible due to falling objects or related causes.

Protective Action

- ✓ All persons on-site will be required to wear hard hats at all times.
- ✓ All construction equipment e.g. drill rigs will have operational "back-up" alarms (beepers).

Injury due to Falls

Potential Hazard

- ❑ Slippery ground conditions due to ice are potential sources of injury due to falls.
- ❑ Slip and trip hazards due to construction equipment may be encountered.

Protective Action

- ✓ All persons on-site will be required to wear appropriate foot apparel for construction site activities which at a minimum will included leather boots with tread soles or equivalent. Steel-toed foot apparel may also be required.
- ✓ All snow and iced covered paths will be shoveled and or de-iced prior to on-site activities.

- ✓ The Project Supervisor will designate a clean zone for the staging of construction materials.

Injury due to Dust Inhalation

Potential Hazard

- Dust particles may produce irritation or other injuries during drilling

Protective Action

- ✓ Should conditions become such that fugitive dust is a problem as a result of site actives, the dust producing areas will be sprayed lightly with water only as necessary to eliminate the dust problem or require involved personnel to wear dust filtration respirator. *Note: Due to chemical hazards outlined previously in this section, a higher level of respiratory protection is recommended therefore the recommended respirators should be worn unless the chemical hazard conditions have been alleviated.*

Injury due to Weather Exposure

Potential Hazard

- The work site will be not be heated and personnel may be exposed to cold weather where there is the potential for frostbite, hypothermia or other cold weather related injuries.

Protective Action

- ✓ The Project Supervisor will be responsible for insuring that workers are properly clothed for the weather conditions.
- ✓ If weather conditions become such that worker safety is questionable in the judgment of the Project Supervisor, then work will cease until safe weather conditions return. In judging weather conditions the Project Supervisor will consider such factors as temperature, wind, chill factor worker exposure to precipitation, wind velocity.

Other Health and Safety Issues

RND's Project Supervisor will be responsible for providing and properly maintaining adequate first-aid equipment on-site to treat minor injuries. Furthermore, RND's Project Supervisor will be responsible for arranging transportation of any injured authorized on-site personnel to medical facilities should more serious injury occur.

6.0 LEVELS OF PERSONAL PROTECTIVE EQUIPMENT

6.1 Known Site Conditions

In a preliminary screening of the site, six inch deep ¼" diameter cores were drilled through the concrete of the basement floor. Immediately upon extracting the drill from the borehole, the

probe of the PID was inserted into the opening. The PID response was recorded and a profile of the basement floor was created based on vapor concentration. The highest value obtained was 500 ppm. Of the locations tested only two of the readings were recorded at 500 ppm or above. Although not encountered, there is the possibility that PCE contaminated water and/or separate phase PCE product exists.

6.2 Personal Protective Equipment

Generally, there are four levels of personnel protective equipment (PPE). Based on the known site conditions level D is recommended for initial penetration of the subsurface. Monitoring (as outlined in Section 7) will be conducted to determine the need to upgrade to levels C and A. With the first indication that level C protection is required (25 ppm vapor in air recorded on the PID), work will cease until all personnel can be outfitted in Level C PPE. With the first indication that level A protection is required (100 ppm vapor in air recorded on the PID), work will cease until all personnel can be outfitted in Level A PPE.

Level D

A work uniform affording minimal protection.

Level D PPE includes:

- Coveralls*
- Gloves,
- Boots, outer, chemical resistant, steel toe and shank*
- Hard hat
- Two way radio
- Safety glasses

*optional as appropriate

Level C

The concentration(s) and type(s) of air borne substance(s) is known and the criteria for using air-purifying respirators are met.

Level C PPE includes:

- Level C equipment used as appropriate
- Full-face, air purifying canister-equipped respirator (NIOSH approved)
- Hooded chemical resistant clothing (coveralls; hooded tyvek with booties or two piece chemical splash suit)
  - Coveralls*
  - Gloves, outer, chemical-resistant
  - Boots, outer, chemical resistant, steel toe and shank*
  - Boot covers, outer, chemical resistant-disposable*
  - Hard hat
  - Escape mask*
  - Two way radio (worn under protective clothing)
  - Face shield*

*optional as applicable

The selected air-purifying respirator, North Model 5400, provides a maximum use concentration of 100 times the permissible exposure level (PEL) for PCE, that is, 25 ppm. The immediately dangerous to life and health (IDLH) level for PCE is 500 ppm. It is not expected that ambient air levels will reach 500 ppm. Regardless, personnel will be upgraded to level A PPE at readings in ambient air of 100 ppm PCE.

Level A
The highest level of skin, respiratory and eye protection is necessary.

Level A PPE includes:

- Level A equipment used as appropriate
- Pressure demand, full-face piece SCBA, or pressure demand supplied air respirator with escape SCBA (NIOSH approved)
- Hooded chemical resistant clothing (overalls, coveralls; one or two piece chemical splash suit; disposable chemical resistant overalls)
  - Coveralls*
  - Gloves, outer, chemical-resistant
  - Gloves, inner, chemical-resistant
  - Boots, outer, chemical resistant, steel toe and shank*
  - Boot covers, outer, chemical resistant-disposable*
  - Hard hat
  - Two way radio (worn under protective clothing)

6.3 Mechanical Controls

PCE vapor concentration in the ambient air is not expected to become hazardous as the work area is not a confined space.

7.0 COMMUNITY AIR MONITORING PLAN

A Community Air Monitoring Plan (CAMP) will be implemented in order to provide a measure of protection for the downwind community from potential airborne contaminant releases as a direct result of investigative activities, specifically drilling activities. Real time air monitoring for volatile organic compounds and particulates will be conducted at the perimeter of the work area. The action levels specified require increased monitoring, corrective actions to abate emission and/or work shut down to confirm that work activities did not spread contamination through the air.

Particulate Monitoring, Response levels and actions

Particulate concentrations will be monitored continuously at the upwind and downwind perimeters of the work zone at temporary particulate monitoring stations. The particulate monitoring will be performed using an MIE DR-2000 area dust monitor capable of measuring particulate matter less than 10 micrometers (PM-10) in size and capable of integrating over a period of 15 minutes for comparison to airborne particulate action level. The equipment will be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration will be visually noted during all work activities

If the downwind PM-10 particulate level is 1000 micrograms per cubic meter mcg/m^3 greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques will be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m3 above the upwind level and provided that no visible dust is migrating from the work area.

If after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m above upwind level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m^3 of the upwind level and in preventing visible dust migration.

All readings will be recorded and be available for review by regulatory personnel.

8.0 MONITORING EQUIPMENT

The work zone will be continuously monitored for PCE vapors using a PID that has been calibrated to respond to the organic range of compounds that includes PCE. The alarm on the unit will be set to alert the HAS officer to a PCE level of 100 ppm in the ambient air. At this level, work will cease and all personnel in the work zone will be upgraded to level A PPE. Although personnel will be wearing air purifying respirators (in level C PPE) with organic vapor cartridges that will decrease breathable PCE vapor to 1 ppm (the PEL is 25 ppm) this conservative approach is used to further reduce the risk of exposure to PCE and to eliminate the need for escape as the nature of the work could rapidly result in higher PCE levels if a pocket of PCE is encountered during excavation.

Twenty percent of employees in the work zone will be monitored for exposure to PCE while in level D PPE by wearing PCE badges over the course of the workday. Personnel will be monitored two days per week or at the start of a new job task. All badges will be analyzed by NYSDOH Method 311-9.

9.0 SITE ACCESS RESTRICTIONS

Access to the project work site will be limited to authorized personnel including RND, subcontractors and authorized visitors. The Project Supervisor will be responsible for authorizing all visitors. The Project Supervisor will ensure that all visitors abide by the provisions of the HASP. The Project Supervisor will accompany all authorized visitors while they are on site. The Project Supervisor will be responsible for securing the project site prior to ceasing daily operations.

10.0 EMERGENCY NOTIFICATION PROCEDURES

In the event of incident or injury, the Project Supervisor must first be notified. If the situation cannot be handled by basic first aid methods, then it is the Project Supervisor's responsibility to seek immediate medical attention.

Emergency phone numbers are provided below. However, additional parties may be contacted if there is clear reason to do so to protect health and safety. Directions to the nearest hospital are provided as an attachment to this HASP.

Local Emergency Services

Police Department 911
Fire Department 911
Ambulance 911
Electric/Gas Utility – Orange & Rockland 1-800-533-5325
Poison Control Center 1-800-336-6997
Water Utility – United Water 845-429-8849
NYSDEC 24-Hour Hotline 1-800-457-7362

Facility Contact:

Joe DePaulis
845-268-0011

RND Services Inc. Phone Numbers

845-348-6355

RND Primary Emergency Coordinators

Robert C. Hayman ..... (cell) 914-906-0284
Nick Eagle ..... (cell) 914-906-0285

Hospital

Nyack Hospital
Emergency 911
Emergency Room 914-348-2345
Main Number 914-348-2000

11.0 MEDICAL SURVEILLANCE PROGRAM

RND personnel assigned to hazardous waste cleanup projects are participating in a Medical Surveillance Program as outlined in 29 CFR 1910-120. At a minimum, each employee will have a complete medical examination which will include:

- Pulmonary Function Test
- Audio Testing
- Vision Screening
- Chemistry Profile
- Complete Blood Count
- Urinalysis
- Whole Blood

Employees assigned to tasks in the work zone will undergo an entrance (prior to start of job) and an exit (at completion of job) screening for PCE.

12.0 APPROVALS

(Included as separate form(s).)

APPENDIX B
TABULATED DATA FROM PERCHLOROETHYLENE INVESTIGATION REPORT

Table 1
Congers Colonial Plaza
Congers, New York
Indoor Air Sampling Results- Perchloroethylene

	Sample Date																	
Sample Location	**12/7/00**	**12/18/00**	**12/26/00**	**1/3/01**	**1/11/01**	**1/19/01**	**3/16/01**	**4/11/01**	**5/14/01**	**6/16/01**	**7/16/01**	**10/29/01**	**11/29/01**	**12/31/01**	**4/30/02**	**7/22/02**	**11/11/02**	**2/4/03**
Upstairs Former Dry Cleaner	1.435	0.9	NS	NS	0.14	0.016	0.05	41	66	NS	NS	NS	NS	NS	NS	NS	NS	NS
Basement Beneath Former Dry Cleaner	1.726	1.3	NS	NS	0.11	0.012	0.07	234	101	NS	NS	NS	NS	NS	NS	NS	NS	NS
Top of Stairwell Between Cleaners and Tutor-Time	0.349	1.2	NS	NS	0.12	NS	0.04	59	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bottom of Stairwell Between Cleaners and Tutor-Time	NS	NS	NS	NS	NS	NS	0.04	74	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Reception of Tutor-Time	0.094	0.019	0.016	0.08	0.002	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Upstairs Hallway Tutor-Time	0.166	0.018	0.023	0.08	0.002	NS	0.009	35	11	NS	NS	NS	NS	NS	NS	NS	NS	NS
Downstairs Hallway Tutor-Time	0.089	0.020	0.024	0.070	0.001	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Outdoor Background	<0.067	NS	NS	NS	NS	NS	<0.0004	<2	NS	19	20(1)	2.9	<2.1	<2.1	<2.0	<2.1	<2.4	NS
Preschool Room 209 (First Floor)	NS	NS	NS	NS	NS	NS	0.009	36	18	28	16	2.6(3)	<2.1	<2.1	5.3	2.7	<2.4	<2.1
Preschool Room 224 (First Floor)	NS	NS	NS	NS	NS	NS	0.008	33	14	16	6	5.8(2)	<2.1	<2.1(5)	4.0	<2.0	<2.1	<2.1
Preschool Room 218 (First Floor)	NS	NS	NS	NS	NS	NS	NS	NS	NS	4	12	7.4	<2.1	<2.1	4.0	<2.0	3.2	<2.1
Toddler Room 113 (Basement Floor)	NS	NS	NS	NS	NS	NS	0.012	46	4	32	13	7.3	<2.1	<2.1	4.7	9.5	2.8	<2.1
Preschool Room 104 (Basement Floor)	NS	NS	NS	NS	NS	NS	0.017	34	16	40	12(1)	10	<2.1	2.1	4.7	35(7)	2.8	2.8
Twaddler Room A 119 (Basement Floor)	NS	NS	NS	NS	NS	NS	0.02	41	8	NS	NS	NS	NS	NS	NS	NS	NS	NS
Prepper Room B 121 (Basement Floor)	NS	NS	NS	NS	NS	NS	0.023	58	12	61	23	12	<2.1(4)	2.8	4.7(6)	17	2.8	<2.1

Notes:

NS - Not Sampled

All units in parts per million (ppm) except where noted.

New York State Department of Health (NYSDOH) Guideline = 0.015 ppm, 100 ug/c3

(1) Duplicate Sample Results 7/16/01: Background = 23; Preschool Room 104 = 10.

(2) Duplicate Sample Results 10/29/01: Preschool Room 224 = 5.8.

(3) Results of resampling on 11/8/01: Duplicate Sample Result = 2.6.

(4) Duplicate Sample Result 11/29/01: Preschool Room 221 = <2.1.

(5) Duplicate Sample Result 12/31/01: Preschool Room 224 = 2.1.

(6) Duplicate Sample Result 4/30/02: Prepper Room 121 = 4.7

(7) Duplicate Sample Result 7/22/02: Preschool Room 104 = 11

(8) Duplicate Sample Result 11/11/02: Preschool Room 209 = 4.0

** Results in micrograms per cubic meter (ug/c3)

Ref:c/PF/CP/CP.xls

TABLE 2
Test Pit Soil Sample Results
Congers Colonial Plaza
Congers, New York

February 7, 2001

Sample Identification	Pipe	Outside	Back	Recommended Soil Cleanup Objective (ug/kg)
Sample Date	2/7/01	2/7/01	2/7/01	
Laboratory Identification	1020167-01	1020167-02	1020167-03	
Depth (ft.)	1.5	1.5	1	
Volatile Organic Compounds				
Tetrachloroethylene	31,000	ND	27	1,400

Notes:
Only those compounded detected are indicated.
ug/kg - micrograms per kilograms
Volatile Organic Compounds By EPA Method 8260

REF: C/documents/reports/CP-trench

TABLE 3
Post-Excavation Soil Sample Results
Congers Colonial Plaza
Congers, New York

Soil Sample Location	PE-1	PE-2	PE-3	PE-4	PE-5	PE-6	Recommended Soil Cleanup Objective (ug/kg)
Laboratory Identification	1020302-05	1020302-06	1020332-01	1020332-02	1020332-03	1020332-04	
Sample Date	2/16/01	2/16/01	2/21/01	2/21/01	2/21/01	2/21/01	
Volatile Organic Compounds							
1,2,4-Trimethylebenzene	ND	7	ND	170	260	ND	
1,3,5-Trimethylebenzene	ND	ND	ND	67	110	ND	
Ethylbenzene	ND	ND	ND	ND	5	ND	5500
Isopropylbenzene	ND	ND	ND	ND	6	ND	
n-propylbenzene	ND	ND	ND	20	31	ND	
o-Xylene	ND	ND	ND	27	59	ND	1200
p- & m-Xylenes	ND	ND	ND	25	54	ND	1200
sec-Butylbenzene	ND	5	ND	110	180	ND	
tert-Butylbenzene	ND	ND	ND	19	29	ND	
Trichloroethylene	ND	ND	ND	ND	10	ND	700
Tetrachloroethylene	3100	1500	ND	15,000	ND	ND	1400

Notes:
Only those compounded detected are indicated.
ug/kg - micrograms per kilograms

TABLE 4A
Soil Sample Results
Geoprobe Borings Inside Tutor Time
Congers Colonial Plaza
Congers, New York

Soil Sample Location	SB-01TT	SB-02TT	SB-03TT	SB-04TT	SB-06TT	Recommended Soil Cleanup Objective (ug/kg)
Laboratory Identification	1020302-01	1020302-02	1020302-03	1020302-04		
Depth (ft.)	6 - 7	10 - 11	6 - 7	7 - 8		
Volatile Organic Compounds						
Tetrachloroethylene	ND	ND	330	ND	NS	1400

Notes:
Only those compounded detected are indicated.
ug/kg - micrograms per kilograms
ND - Not Detected
NS - Not Sampled

TABLE 4B
Groundwater Sample Results
Microwells Inside Tutor Time
Congers Colonial Plaza
Congers, New York

Sample Identification	SB-01GW	SB-02GW	SB-03GW	SB-04GW	Groundwater Standards (ug/L)
Laboratory Identification	1020302-07	1020302-08	1020302-09	1020302-10	
Volatile Organic Compounds					
Toluene	ND	ND	ND	1	5
Tetrachloroethylene	360	12	730	83	5

Notes:
Only those compounded detected are indicated.
ug/L - micrograms per liter
ND - Not Detected

TABLE 5
Groundwater Sample Results
Monitoring Wells
Congers Colonial Plaza
Congers, New York

Sample Identification	MW-01 BP	MW-01 AP	MW-02 BP	MW-02 AP	MW-03 BP	MW-03 AP	Groundwater Standards (ug/l)
Laboratory Identification	1030265-01	1030265-02	1030265-03	1030265-04	1030265-05	1030265-06	
Volatile Organic Compounds (ug/l)							
Tetrachloroethylene	ND	ND	170	400	ND	ND	5
Trichloroethylene	ND	ND	5	5	ND	ND	5

Notes:
Only those compounded detected are indicated.
ug/l - micrograms per liter
ND - Not Detected

TABLE 6
Footing Drain Outfall
Congers Colonial Plaza
Congers, New York

Sample Identification	Outfall-North	Outfall-West	Outfall-West Sediment	Dom-Well	Recommedned Soil Cleanup Objective/Groundwater Standards
Sample Date	2/16/01	2/26/01	2/26/01	2/26/01	
Laboratory Identification	1020302-11	1020452-01	1020452-03	1020452-02	
Units	ug/l	ug/l	ug/kg	ug/l	
Volatile Organic Compounds					
Tetrachloroethylene	ND	360	480	ND	1400 ug/kg and 5 ug/l

Notes:
Only those compounded detected are indicated.
ug/kg - micrograms per kilograms
ug/l - micrograms per liter
Volatile Organic Compounds By EPA Method 8260
ND - Not Detected

REF: C/documents/reports/CP-drain.xls

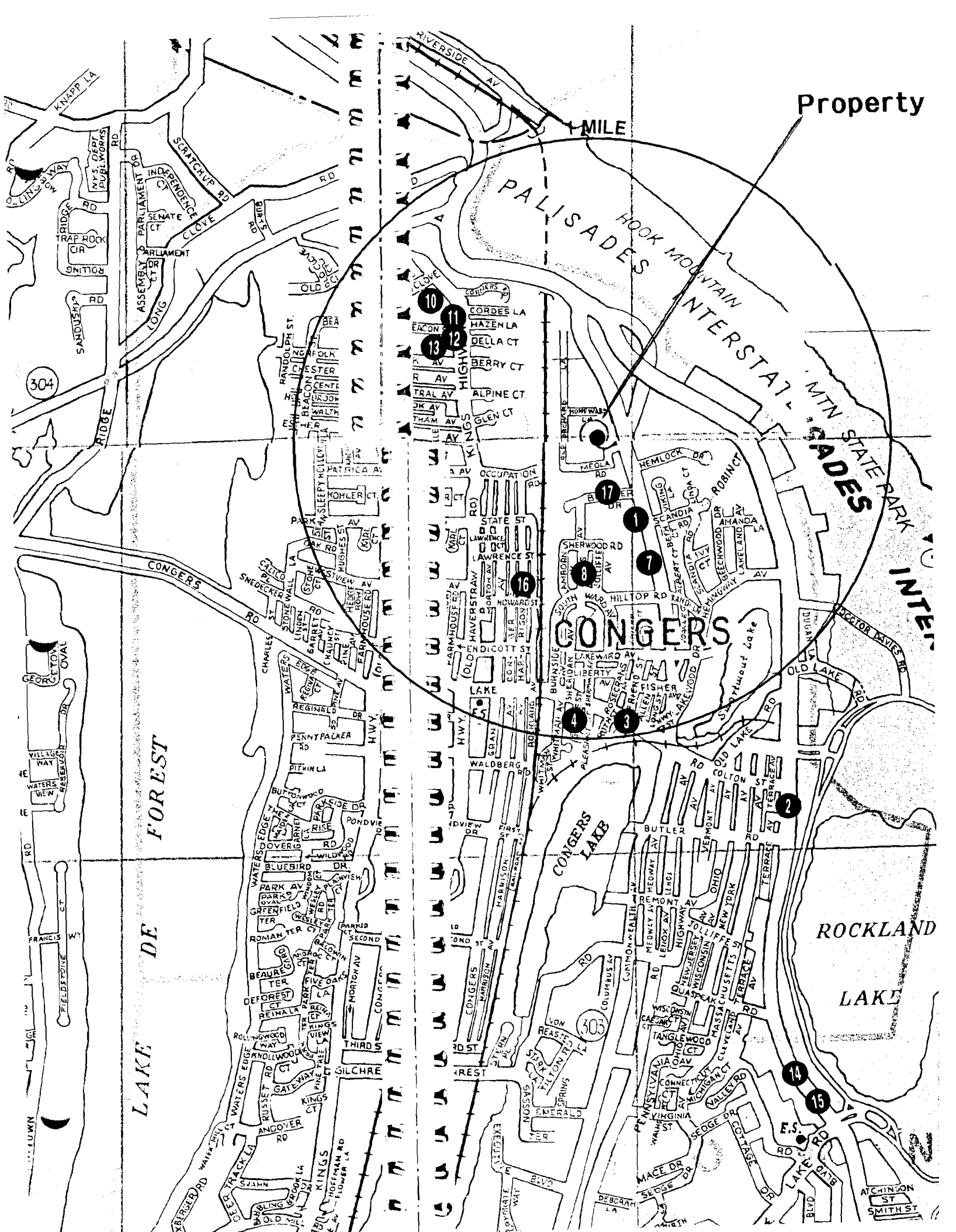
TABLE 7
Sump Pit Sample Results
Congers Colonial Plaza
Congers, New York

Sample Identification	Sump	Sump 0312	Groundwater Standards (ug/l)
Laboratory Identification	1030071-01	1030220-01	
Date	3/2/01	3/12/01	
Volatile Organic Compounds (ug/l)			
Tetrachloroethylene	6000	300	5

Notes:
Only those compounded detected are indicated.
ug/l - micrograms per liter

REF: C/documents/reports/CP-sump.xls

APPENDIX C
WELL SEARCH RESULTS


Property
1 MILE
CONGERS
PALISADES INTERSTATE PARK
HOOK MOUNTAIN
CONGERS LAKE
LAKE DE FOREST
ROCKLAND LAKE
1
2
3
4
7
8
10
11
12
13
14
15
16
17

REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York 10595

Agency: Rockland County Health Dept.
Dr. R. Yeager Health Center
Pomona, NY 10970
Hunderfund, Judy, P.E.

Received By: KM
Bottle No.: K6966,6969,6964
Collected By: MENDOLIA
Comment:

Report To:

Sample Location: RESTAURANT X
RTE. 303
CONGERS, NY
Sample Point: KITCHEN SINK
ID of Source: PUB.
Collection Date: 7/31/01 AT 1:15:00 PM
Submitted On: 8/1/01 AT 12:17:00 PM
Sample Type: POT_DW
PWS No.:
Source Code: 000
Type Descriptor:

Sample No. AD18533

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
Organics						
Volatile Organic Compounds						
524.2	*THM-Bromodichloromethane	< MDL	ug/L	.5	8/6/01	SV
524.2	*THM-Bromoform	< MDL	ug/L	2.0	8/6/01	SV
524.2	*THM-Chloroform	< MDL	ug/L	.5	8/6/01	SV
524.2	*THM-Dibromochloromethane	< MDL	ug/L	2.0	8/6/01	SV
524.2	1,1,1,2-tetrachloroethane	< MDL	ug/L	.5	8/6/01	SV
524.2	1,1,1- trichloroethane	< MDL	ug/L	.5	8/6/01	SV
524.2	1,1,2,2-tetrachloroethane	< MDL	ug/L	.5	8/6/01	SV
524.2	1,1,2-trichloroethane	< MDL	ug/L	.5	8/6/01	SV
524.2	1,1-dichloroethane	< MDL	ug/L	.5	8/6/01	SV
524.2	1,1-Dichloroethene	< MDL	ug/L	.5	8/6/01	SV
524.2	1,1-dichloropropene	< MDL	ug/L	.5	8/6/01	SV
524.2	1,2,3-trichlorobenzene	< MDL	ug/L	.5	8/6/01	SV
524.2	1,2,3-trichloropropane	< MDL	ug/L	.5	8/6/01	SV
524.2	1,2,4-trichlorobenzene	< MDL	ug/L	.5	8/6/01	SV
524.2	1,2,4-trimethylbenzene	< MDL	ug/L	.5	8/6/01	SV
524.2	1,2-dichlorobenzene	< MDL	ug/L	.5	8/6/01	SV
524.2	1,2-dichloroethane	< MDL	ug/L	.5	8/6/01	SV
524.2	1,2-dichloropropane	< MDL	ug/L	.5	8/6/01	SV
524.2	1,3,5-trimethylbenzene	< MDL	ug/L	.5	8/6/01	SV
524.2	1,3-dichlorobenzene	< MDL	ug/L	.5	8/6/01	SV

Approved By: Pam Dilsizian QA Officer **Date Approved:** 8/13/01

Environmental Laboratories emailed Original 8/13/01

NYS ELAP # 10108

REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York 10595

Agency: Rockland County Health Dept.
Dr. R. Yeager Health Center
Pomona, NY 10970
Hunderfund, Judy, P.E.

Received By: KM
Bottle No.: K6966,6969,6964
Collected By: MENDOLIA
Comment:

Report To:

Sample Location: RESTAURANT X
RTE. 303
CONGERS, NY
Sample Point: KITCHEN SINK
ID of Source: PUB.
Collection Date: 7/31/01 AT 1:15:00 PM
Submitted On: 8/1/01 AT 12:17:00 PM
Sample Type: POT_DW
PWS No.:
Source Code: 000
Type Descriptor:

Sample No. AD18533

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	1,3-dichloropropane	< MDL	ug/L	.5	8/6/01	SV
524.2	1,4-dichlorobenzene	< MDL	ug/L	.5	8/6/01	SV
524.2	2,2-dichloropropane	< MDL	ug/L	.5	8/6/01	SV
524.2	2-butanone (MEK)	< MDL	ug/L	2.0	8/6/01	SV
524.2	2-chlorotoluene	< MDL	ug/L	.5	8/6/01	SV
524.2	4-chlorotoluene	< MDL	ug/L	.5	8/6/01	SV
524.2	Benzene	< MDL	ug/L	.5	8/6/01	SV
524.2	Bromobenzene	< MDL	ug/L	.5	8/6/01	SV
524.2	Bromochloromethane	< MDL	ug/L	.5	8/6/01	SV
524.2	Bromomethane	< MDL	ug/L	.5	8/6/01	SV
524.2	Carbon tetrachloride	< MDL	ug/L	.5	8/6/01	SV
524.2	Chlorobenzene	< MDL	ug/L	.5	8/6/01	SV
524.2	Chloroethane	< MDL	ug/L	.5	8/6/01	SV
524.2	Chloromethane	< MDL	ug/L	.5	8/6/01	SV
524.2	cis-1,2-dichloroethene	< MDL	ug/L	.5	8/6/01	SV
524.2	cis-1,3-dichloropropene	< MDL	ug/L	.5	8/6/01	SV
524.2	Dibromomethane	< MDL	ug/L	.5	8/6/01	SV
524.2	Dichlorodifluoromethane	< MDL	ug/L	.5	8/6/01	SV
524.2	Ethylbenzene	< MDL	ug/L	.5	8/6/01	SV
524.2	Hexachlorobutadiene	< MDL	ug/L	.5	8/6/01	SV
524.2	Isopropylbenzene	< MDL	ug/L	.5	8/6/01	SV
524.2	Methyl iso-butyl ketone (MIBK)	< MDL	ug/L	1.0	8/6/01	SV

Approved By: Pam Dilsizian QA Officer **Date Approved:** 8/13/01

Environmental Laboratories emailed Original 8/13/01

NYS ELAP # 10108

REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York 10595

Agency: Rockland County Health Dept.
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Pomona, NY 10970
Hunderfund, Judy, P.E.

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Sample Location: RESTAURANT X
RTE. 303
CONGERS, NY
Sample Point: KITCHEN SINK
ID of Source: PUB.
Collection Date: 7/31/01 AT 1:15:00 PM
Submitted On: 8/1/01 AT 12:17:00 PM
Sample Type: POT_DW
PWS No.:
Source Code: 000
Type Descriptor:

Sample No. AD18533

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	Methyl tert-butyl ether (MTBE)	< MDL	ug/L	1.0	8/6/01	SV
524.2	Methylene Chloride	< MDL	ug/L	.5	8/6/01	SV
524.2	N-butylbenzene	< MDL	ug/L	.5	8/6/01	SV
524.2	N-propylbenzene	< MDL	ug/L	.5	8/6/01	SV
524.2	Naphthalene	< MDL	ug/L	.5	8/6/01	SV
524.2	O-xylene	< MDL	ug/L	.5	8/6/01	SV
524.2	P & M-xylene	< MDL	ug/L	.5	8/6/01	SV
524.2	P-isopropyltoluene	< MDL	ug/L	.5	8/6/01	SV
524.2	SEC-butylbenzene	< MDL	ug/L	.5	8/6/01	SV
524.2	Styrene	< MDL	ug/L	.5	8/6/01	SV
524.2	TERT-butylbenzene	< MDL	ug/L	.5	8/6/01	SV
524.2	Tetrachloroethene	< MDL	ug/L	.5	8/6/01	SV
524.2	Toluene	< MDL	ug/L	.5	8/6/01	SV
524.2	trans-1,2-dichloroethene	< MDL	ug/L	.5	8/6/01	SV
524.2	trans-1,3-dichloropropene	< MDL	ug/L	.5	8/6/01	SV
524.2	Trichloroethene	< MDL	ug/L	.5	8/6/01	SV
524.2	Trichlorofluoromethane	< MDL	ug/L	.5	8/6/01	SV
524.2	Vinyl chloride	< MDL	ug/L	.5	8/6/01	SV

1,1,2-trichloro-1,2,2-trifluoroethane is present in this sample at 4.4 ug/L.

Approved By: Pam Dilsizian QA Officer **Date Approved:** 8/13/01

Environmental Laboratories emailed Original 8/13/01

NYS ELAP # 10108

REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: Rockland County Health
Dr. R. Yeager Health Center
Pomona, NY 10970

Hunderfund, Judy, P.E.
Received KM
Bottle K5274,6463,6475
Collected By: MENDOLIA
Comment:

Sample TOWN & COUNTRY
RTE. 9W
CONGERS, N.Y.
Sample KITCHEN SINK
ID of Source: PUB.
Collection 2/6/2002 AT 11:45:00
Submitted 2/7/2002 AT 12:25:00
Sample Type: POT_DW
PWS No.: 4310054 **Source Code:** 000

Type Descriptor:
Sample chilled on arrival? : YES

Report

Sample No. AE03142

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
Organics						
Volatile Organic Compounds						
524.2	*THM-Bromodichloromethane	< MDL	ug/L	0.5	2/8/2002	SV
524.2	*THM-Bromoform	< MDL	ug/L	2.0	2/8/2002	SV
524.2	*THM-Chloroform	< MDL	ug/L	0.5	2/8/2002	SV
524.2	*THM-Dibromochloromethane	< MDL	ug/L	2.0	2/8/2002	SV
524.2	1,1,1,2-tetrachloroethane	< MDL	ug/L	0.5	2/8/2002	SV
524.2	1,1,1- trichloroethane	< MDL	ug/L	0.5	2/8/2002	SV
524.2	1,1,2,2-tetrachloroethane	< MDL	ug/L	0.5	2/8/2002	SV
524.2	1,1,2-trichloroethane	< MDL	ug/L	0.5	2/8/2002	SV
524.2	1,1-dichloroethane	< MDL	ug/L	0.5	2/8/2002	SV
524.2	1,1-Dichloroethene	< MDL	ug/L	0.5	2/8/2002	SV
524.2	1,1-dichloropropene	< MDL	ug/L	0.5	2/8/2002	SV
524.2	1,2,3-trichlorobenzene	< MDL	ug/L	0.5	2/8/2002	SV
524.2	1,2,3-trichloropropane	< MDL	ug/L	0.5	2/8/2002	SV
524.2	1,2,4-trichlorobenzene	< MDL	ug/L	0.5	2/8/2002	SV
524.2	1,2,4-trimethylbenzene	< MDL	ug/L	0.5	2/8/2002	SV
524.2	1,2-dichlorobenzene	< MDL	ug/L	0.5	2/8/2002	SV
524.2	1,2-dichloroethane	< MDL	ug/L	0.5	2/8/2002	SV
524.2	1,2-dichloropropane	< MDL	ug/L	0.5	2/8/2002	SV
524.2	1,3,5-trimethylbenzene	< MDL	ug/L	0.5	2/8/2002	SV
524.2	1,3-dichlorobenzene	< MDL	ug/L	0.5	2/8/2002	SV

Approved Pam Dilsizian QA Officer **Date Approved:** 2/27/2002

Environmental Laboratories emailed Original 2/27/2002

NYS ELAP # 10108

REPORT OF ANALYSIS

estchester County Department of Labs and Research 2 Dana Road Valhalla, New York

g y: Rockland County Health
Dr. R. Yeager Health Center
Pomona, NY 10970

Hunderfund, Judy, P.E.
Received KM
Bottle K5274,6463,6475
Collected By: MENDOLIA
Comment:

Sample TOWN & COUNTRY
RTE. 9W
CONGERS, N.Y.
Sample KITCHEN SINK
ID of Source: PUB.
Collection 2/6/2002 AT 11:45:00
Submitted 2/7/2002 AT 12:25:00
Sample Type: POT_DW
PWS No.: 4310054 **Source Code:** 000
Type Descriptor:
Sample chilled on arrival? : YES

Report

Sample No. AE03142

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	1,3-dichloropropane	< MDL	ug/L	0.5	2/8/2002	SV
524.2	1,4-dichlorobenzene	< MDL	ug/L	0.5	2/8/2002	SV
524.2	2,2-dichloropropane	< MDL	ug/L	0.5	2/8/2002	SV
524.2	2-butanone (MEK)	< MDL	ug/L	2.0	2/8/2002	SV
524.2	2-chlorotoluene	< MDL	ug/L	0.5	2/8/2002	SV
524.2	4-chlorotoluene	< MDL	ug/L	0.5	2/8/2002	SV
524.2	Benzene	< MDL	ug/L	0.5	2/8/2002	SV
524.2	Bromobenzene	< MDL	ug/L	0.5	2/8/2002	SV
524.2	Bromochloromethane	< MDL	ug/L	0.5	2/8/2002	SV
524.2	Bromomethane	< MDL	ug/L	0.5	2/8/2002	SV
524.2	Carbon tetrachloride	< MDL	ug/L	0.5	2/8/2002	SV
524.2	Chlorobenzene	< MDL	ug/L	0.5	2/8/2002	SV
524.2	Chloroethane	< MDL	ug/L	0.5	2/8/2002	SV
524.2	Chloromethane	< MDL	ug/L	0.5	2/8/2002	SV
524.2	cis-1,2-dichloroethene	< MDL	ug/L	0.5	2/8/2002	SV
524.2	cis-1,3-dichloropropene	< MDL	ug/L	0.5	2/8/2002	SV
524.2	Dibromomethane	< MDL	ug/L	0.5	2/8/2002	SV
524.2	Dichlorodifluoromethane	< MDL	ug/L	0.5	2/8/2002	SV
524.2	Ethylbenzene	< MDL	ug/L	0.5	2/8/2002	SV
524.2	Hexachlorobutadiene	< MDL	ug/L	0.5	2/8/2002	SV
524.2	Isopropylbenzene	< MDL	ug/L	0.5	2/8/2002	SV
524.2	Methyl iso-butyl ketone (MIBK)	< MDL	ug/L	1.0	2/8/2002	SV

Approved Pam Dilsizian QA Officer **Date Approved:** 2/27/2002

Environmental Laboratories emailed Original 2/27/2002

NYS ELAP # 10108

REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: Rockland County Health
Dr. R. Yeager Health Center
Pomona, NY 10970

Hunderfund, Judy, P.E.
Received KM
Bottle K5274,6463,6475
Collected By: MENDOLIA
Comment:

Sample TOWN & COUNTRY
RTE. 9W
CONGERS, N.Y.
Sample KITCHEN SINK
ID of Source: PUB.
Collection 2/6/2002 AT 11:45:00
Submitted 2/7/2002 AT 12:25:00
Sample Type: POT_DW
PWS No.: 4310054 **Source Code:** 000

Type Descriptor:
Sample chilled on arrival? : YES

Report

Sample No. AE03142

Method	Test Description	Results	Units	MDL	Analyzed on	Validator
524.2	Methyl tert-butyl ether (MTBE)	< MDL	ug/L	1.0	2/8/2002	SV
524.2	Methylene Chloride	< MDL	ug/L	0.5	2/8/2002	SV
524.2	N-butylbenzene	< MDL	ug/L	0.5	2/8/2002	SV
524.2	N-propylbenzene	< MDL	ug/L	0.5	2/8/2002	SV
524.2	Naphthalene	< MDL	ug/L	0.5	2/8/2002	SV
524.2	O-xylene	< MDL	ug/L	0.5	2/8/2002	SV
524.2	P & M-xylene	< MDL	ug/L	0.5	2/8/2002	SV
524.2	P-isopropyltoluene	< MDL	ug/L	0.5	2/8/2002	SV
524.2	SEC-butylbenzene	< MDL	ug/L	0.5	2/8/2002	SV
.2	Styrene	< MDL	ug/L	0.5	2/8/2002	SV
524.2	TERT-butylbenzene	< MDL	ug/L	0.5	2/8/2002	SV
524.2	Tetrachloroethene	< MDL	ug/L	0.5	2/8/2002	SV
524.2	Toluene	< MDL	ug/L	0.5	2/8/2002	SV
524.2	trans-1,2-dichloroethene	< MDL	ug/L	0.5	2/8/2002	SV
524.2	trans-1,3-dichloropropene	< MDL	ug/L	0.5	2/8/2002	SV
524.2	Trichloroethene	< MDL	ug/L	0.5	2/8/2002	SV
524.2	Trichlorofluoromethane	< MDL	ug/L	0.5	2/8/2002	SV
524.2	Vinyl chloride	< MDL	ug/L	0.5	2/8/2002	SV

Approved Pam Dilsizian QA Officer **Date Approved:** 2/27/2002

Environmental Laboratories emailed Original 2/27/2002

NYS ELAP # 10108

REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: Rockland County Health Dept.
Dr. R. Yeager Health Center
Building D, Sanatorium Road
Pomona, NY 10970
Att: Judi Hunderfund, P.E.
Received LK
Bottle k8800, 451, 15
Collected By: MENDOLIA
Comment:

Sample RICKS CLUB AMERICAN
LAKE ROAD
CONGERS, N.Y.
Sample MENS ROOM SINK
ID of Source: PUB
Collection 08/28/02 AT 11:40:00
Submitted 08/29/02 AT 11:56:00
Sample Type: POT_DW
PWS No.: **Source Code:** 000
Type Descriptor:
Chilled on arrival?: YES

Report

Sample No. AE21906

Method	Test Description	Results	Units	MRL	Analyzed on	Validator
Organics						
Volatile Organic Compounds						
524.2	*THM-Bromodichloromethane	< MRL	ug/L	0.5	08/29/02	SV
524.2	*THM-Bromoform	< MRL	ug/L	2.0	08/29/02	SV
524.2	*THM-Chloroform	< MRL	ug/L	0.5	08/29/02	SV
524.2	*THM-Dibromochloromethane	< MRL	ug/L	2.0	08/29/02	SV
524.2	1,1,1,2-tetrachloroethane	< MRL	ug/L	0.5	08/29/02	SV
524.2	1,1,1- trichloroethane	0.82	ug/L	0.5	08/29/02	SV
524.2	1,1,2,2-tetrachloroethane	< MRL	ug/L	0.5	08/29/02	SV
524.2	1,1,2-trichloroethane	< MRL	ug/L	0.5	08/29/02	SV
524.2	1,1-dichloroethane	< MRL	ug/L	0.5	08/29/02	SV
524.2	1,1-Dichloroethene	< MRL	ug/L	0.5	08/29/02	SV
524.2	1,1-dichloropropene	< MRL	ug/L	0.5	08/29/02	SV
524.2	1,2,3-trichlorobenzene	< MRL	ug/L	0.5	08/29/02	SV
524.2	1,2,3-trichloropropane	< MRL	ug/L	0.5	08/29/02	SV
524.2	1,2,4-trichlorobenzene	< MRL	ug/L	0.5	08/29/02	SV
524.2	1,2,4-trimethylbenzene	< MRL	ug/L	0.5	08/29/02	SV
524.2	1,2-dichlorobenzene	< MRL	ug/L	0.5	08/29/02	SV
524.2	1,2-dichloroethane	< MRL	ug/L	0.5	08/29/02	SV
524.2	1,2-dichloropropane	< MRL	ug/L	0.5	08/29/02	SV
524.2	1,3,5-trimethylbenzene	< MRL	ug/L	0.5	08/29/02	SV
524.2	1,3-dichlorobenzene	< MRL	ug/L	0.5	08/29/02	SV

Approved Rob Hilbrandt QA Officer **Date Approved:** 09/04/02

Environmental Laboratories emailed Copy 10/03/02

NYS ELAP # 10108

REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: Rockland County Health Dept.
Dr. R. Yeager Health Center
Building D, Sanatorium Road
Pomona, NY 10970
Att: Judi Hunderfund, P.E.
Received LK
Bottle k8800, 451, 15
Collected By: MENDOLIA
Comment:

Sample RICKS CLUB AMERICAN
LAKE ROAD
CONGERS, N.Y.
Sample MENS ROOM SINK
ID of Source: PUB
Collection 08/28/02 AT 11:40:00
Submitted 08/29/02 AT 11:56:00
Sample Type: POT_DW
PWS No.: **Source Code:** 000
Type Descriptor:
Chilled on arrival?: YES

Report

Sample No. AE21906

Method	Test Description	Results	Units	MRL	Analyzed on	Validator
524.2	1,3-dichloropropane	< MRL	ug/L	0.5	08/29/02	SV
524.2	1,4-dichlorobenzene	< MRL	ug/L	0.5	08/29/02	SV
524.2	2,2-dichloropropane	< MRL	ug/L	0.5	08/29/02	SV
524.2	2-butanone (MEK)	< MRL	ug/L	2.0	08/29/02	SV
524.2	2-chlorotoluene	< MRL	ug/L	0.5	08/29/02	SV
524.2	4-chlorotoluene	< MRL	ug/L	0.5	08/29/02	SV
524.2	Benzene	< MRL	ug/L	0.5	08/29/02	SV
524.2	Bromobenzene	< MRL	ug/L	0.5	08/29/02	SV
524.2	Bromochloromethane	< MRL	ug/L	0.5	08/29/02	SV
524.2	Bromomethane	< MRL	ug/L	0.5	08/29/02	SV
524.2	Carbon tetrachloride	< MRL	ug/L	0.5	08/29/02	SV
524.2	Chlorobenzene	< MRL	ug/L	0.5	08/29/02	SV
524.2	Chloroethane	< MRL	ug/L	0.5	08/29/02	SV
524.2	Chloromethane	< MRL	ug/L	0.5	08/29/02	SV
524.2	cis-1,2-dichloroethene	< MRL	ug/L	0.5	08/29/02	SV
524.2	cis-1,3-dichloropropene	< MRL	ug/L	0.5	08/29/02	SV
524.2	Dibromomethane	< MRL	ug/L	0.5	08/29/02	SV
524.2	Dichlorodifluoromethane	< MRL	ug/L	0.5	08/29/02	SV
524.2	Ethylbenzene	< MRL	ug/L	0.5	08/29/02	SV
524.2	Hexachlorobutadiene	< MRL	ug/L	0.5	08/29/02	SV
524.2	Isopropylbenzene	< MRL	ug/L	0.5	08/29/02	SV
524.2	Methyl iso-butyl ketone (MIBK)	< MRL	ug/L	1.0	08/29/02	SV

Approved Rob Hilbrandt QA Officer **Date Approved:** 09/04/02

Environmental Laboratories emailed Copy 10/03/02

NYS ELAP # 10108

REPORT OF ANALYSIS

Westchester County Department of Labs and Research 2 Dana Road Valhalla, New York

Agency: Rockland County Health Dept.
Dr. R. Yeager Health Center
Building D, Sanatorium Road
Pomona, NY 10970
Att: Judi Hunderfund, P.E.
Received LK
Bottle k8800, 451, 15
Collected By: MENDOLIA
Comment:

Sample RICKS CLUB AMERICAN
LAKE ROAD
CONGERS, N.Y.
Sample MENS ROOM SINK
ID of Source: PUB
Collection 08/28/02 AT 11:40:00
Submitted 08/29/02 AT 11:56:00
Sample Type: POT_DW
PWS No.: **Source Code:** 000
Type Descriptor:
Chilled on arrival?: YES

Report

Sample No. AE21906

Method	Test Description	Results	Units	MRL	Analyzed on	Validator
524.2	Methyl tert-butyl ether (MTBE)	1.4	ug/L	1.0	08/29/02	SV
524.2	Methylene Chloride	< MRL	ug/L	0.5	08/29/02	SV
524.2	N-butylbenzene	< MRL	ug/L	0.5	08/29/02	SV
524.2	N-propylbenzene	< MRL	ug/L	0.5	08/29/02	SV
524.2	Naphthalene	< MRL	ug/L	0.5	08/29/02	SV
524.2	O-xylene	< MRL	ug/L	0.5	08/29/02	SV
524.2	P & M-xylene	< MRL	ug/L	0.5	08/29/02	SV
52[illegible]	P-isopropyltoluene	< MRL	ug/L	0.5	08/29/02	SV
52[illegible]	SEC-butylbenzene	< MRL	ug/L	0.5	08/29/02	SV
524.2	Styrene	< MRL	ug/L	0.5	08/29/02	SV
524.2	TERT-butylbenzene	< MRL	ug/L	0.5	08/29/02	SV
524.2	Tetrachloroethene	< MRL	ug/L	0.5	08/29/02	SV
524.2	Toluene	< MRL	ug/L	0.5	08/29/02	SV
524.2	trans-1,2-dichloroethene	< MRL	ug/L	0.5	08/29/02	SV
524.2	trans-1,3-dichloropropene	< MRL	ug/L	0.5	08/29/02	SV
524.2	Trichloroethene	0.59	ug/L	0.5	08/29/02	SV
524.2	Trichlorofluoromethane	< MRL	ug/L	0.5	08/29/02	SV
524.2	Vinyl chloride	< MRL	ug/L	0.5	08/29/02	SV

Approved Rob Hilbrandt QA Officer **Date Approved:** 09/04/02

Environmental Laboratories emailed Copy 10/03/02

NYS ELAP # 10108

The EDR GeoCheck® Report

Congers Colonial Plaza
285 Route 303
Congers, NY 10920

Inquiry Number: 1018382.1s

July 24, 2003

Environmental Data Resources, Inc.

The Source For Environmental Risk Management Data

3530 Post Road
Southport, Connecticut 06890

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

FORM-ERK

TABLE OF CONTENTS

SECTION **PAGE**

GEOCHECK ADDENDUM

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

GEOCHECK® - PHYSICAL SETTING SOURCE REPORT

TARGET PROPERTY ADDRESS

CONGERS COLONIAL PLAZA
285 ROUTE 303
CONGERS, NY 10920

TARGET PROPERTY COORDINATES

Latitude (North):	41.166149 - 41° 9' 58.1"
Longitude (West):	73.938988 - 73° 56' 20.4"
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	589011.2
UTM Y (Meters):	4557532.0
Elevation:	221 ft. above sea level

EDR's GeoCheck Report has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-00, Section 7.2.3. Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata. EDR's GeoCheck Report is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

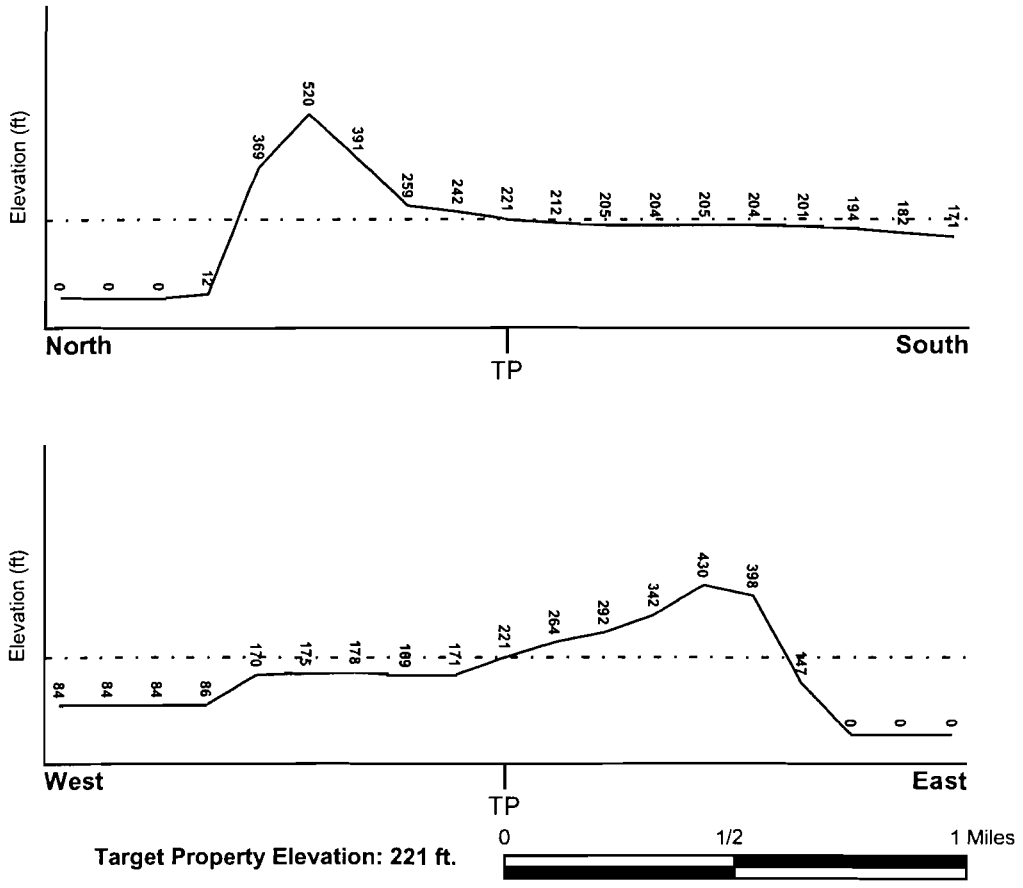
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

USGS Topographic Map:	2441073-B8 HAVERSTRAW, NY
General Topographic Gradient:	General WSW
Source:	USGS 7.5 min quad index

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
ROCKLAND, NY	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property:	3606790005D
Additional Panels in search area:	00000000000 3606820001C 3606790004D 3606790008D 3606790007D

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
HAVERSTRAW	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Mesozoic
System:	Triassic
Series:	Triassic
Code:	Tr *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	HOLYOKE
Soil Surface Texture:	very stony - silt loam
Hydrologic Group:	Class C/D - Drained/undrained hydrology class of soils that can be drained and classified.
Soil Drainage Class:	Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: LOW

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 20 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	2 inches	very stony - silt loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 2.00 Min: 0.60	Max: 6.00 Min: 3.60
2	2 inches	17 inches	gravelly - silt loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 2.00 Min: 0.60	Max: 6.00 Min: 3.60
3	17 inches	21 inches	unweathered bedrock	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: unweathered bedrock
gravelly - silt loam
gravelly - fine sandy loam
gravelly - loamy sand

Surficial Soil Types: unweathered bedrock
gravelly - silt loam
gravelly - fine sandy loam
gravelly - loamy sand

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: gravelly - loam
gravelly - sandy loam
stratified

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

According to ASTM E 1527-00, Section 7.2.2, "one or more additional state or local sources of environmental records may be checked, in the discretion of the environmental professional, to enhance and supplement federal and state sources... Factors to consider in determining which local or additional state records, if any, should be checked include (1) whether they are reasonably ascertainable, (2) whether they are sufficiently useful, accurate, and complete in light of the objective of the records review (see 7.1.1), and (3) whether they are obtained, pursuant to local, good commercial or customary practice." One of the record sources listed in Section 7.2.2 is water well information. Water well information can be used to assist the environmental professional in assessing sources that may impact groundwater flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	1.000
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS0782336	1/4 - 1/2 Mile WSW
2	USGS0782285	1/4 - 1/2 Mile NNW
3	USGS0782273	1/4 - 1/2 Mile SSW
4	USGS0782283	1/4 - 1/2 Mile WNW
5	USGS0782347	1/2 - 1 Mile NW
6	USGS0782292	1/2 - 1 Mile NNW
7	USGS0782267	1/2 - 1 Mile SSW
8	USGS0782263	1/2 - 1 Mile South

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 1018382.1s

- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- 100-year flood zone
- 500-year flood zone
- Wetlands

TARGET PROPERTY:	Congers Colonial Plaza	CUSTOMER:	RND Services
ADDRESS:	285 Route 303	CONTACT:	Sharima Ryan
CITY/STATE/ZIP:	Congers NY 10920	INQUIRY #:	1018382.1s
LAT/LONG:	41.1662 / 73.9390	DATE:	July 24, 2003 6:54 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
1 **WSW** **1/4 - 1/2 Mile** **Lower**	**FED USGS**	**USGS0782336**

Agency:	USGS	Site ID:	410951073563801
Site Name:	RO 355		
Dec. Latitude:	41.16426		
Dec. Longitude:	-73.94347		
Coord Sys:	NAD83		
State:	NY		
County:	Rockland County		
Altitude:	170.00		
Hydrologic code:	02030103		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19400101	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	231NWRK		
Aquifer type:	Not Reported	Well depth:	140
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

---

2 **NNW** **1/4 - 1/2 Mile** **Higher**	**FED USGS**	**USGS0782285**

Agency:	USGS	Site ID:	411014073563501
Site Name:	RO 22		
Dec. Latitude:	41.17065		
Dec. Longitude:	-73.94264		
Coord Sys:	NAD83		
State:	NY		
County:	Rockland County		
Altitude:	200.00		
Hydrologic code:	02030103		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19450101	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	BEDROCK		
Aquifer type:	Not Reported	Well depth:	200
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

---

3 **SSW** **1/4 - 1/2 Mile** **Lower**	**FED USGS**	**USGS0782273**

Agency:	USGS	Site ID:	410936073563201
Site Name:	RO 361		
Dec. Latitude:	41.1601		
Dec. Longitude:	-73.9418		
Coord Sys:	NAD83		
State:	NY		
County:	Rockland County		
Altitude:	180.00		
Hydrologic code:	02030103		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19370101	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	BEDROCK		
Aquifer type:	Not Reported	Well depth:	221
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

4
WNW
1/4 - 1/2 Mile
Lower

FED USGS **USGS0782283**

Agency:	USGS	Site ID:	411011073564901
Site Name:	RO 354		
Dec. Latitude:	41.16982		
Dec. Longitude:	-73.94653		
Coord Sys:	NAD83		
State:	NY		
County:	Rockland County		
Altitude:	150.00		
Hydrologic code:	02030103		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19500101	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	BEDROCK		
Aquifer type:	Not Reported	Well depth:	72.0
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

5
NW
1/2 - 1 Mile
Lower

FED USGS **USGS0782347**

Agency:	USGS	Site ID:	411021073570201
Site Name:	RO 539		
Dec. Latitude:	41.1726		
Dec. Longitude:	-73.95014		
Coord Sys:	NAD83		
State:	NY		
County:	Rockland County		
Altitude:	166.00		
Hydrologic code:	02030103		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19580101	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	BEDROCK		
Aquifer type:	Not Reported	Well depth:	219
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
6 **NNW** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS0782292**

Agency:	USGS	Site ID:	411035073564001
Site Name:	RO 537		
Dec. Latitude:	41.17648		
Dec. Longitude:	-73.94403		
Coord Sys:	NAD83		
State:	NY		
County:	Rockland County		
Altitude:	270.00		
Hydrologic code:	02030101		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19580101	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	BEDROCK		
Aquifer type:	Not Reported	Well depth:	54.0
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

---

7 **SSW** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS0782267**

Agency:	USGS	Site ID:	410911073563501
Site Name:	RO 356		
Dec. Latitude:	41.15315		
Dec. Longitude:	-73.94264		
Coord Sys:	NAD83		
State:	NY		
County:	Rockland County		
Altitude:	205.00		
Hydrologic code:	02030103		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19500101	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	BEDROCK		
Aquifer type:	Not Reported	Well depth:	153
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

---

8 **South** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS0782263**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency:	USGS	Site ID:	410908073562401
Site Name:	RO 358		
Dec. Latitude:	41.15232		
Dec. Longitude:	-73.93958		
Coord Sys:	NAD83		
State:	NY		
County:	Rockland County		
Altitude:	170.00		
Hydrologic code:	02030103		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19490101	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	BEDROCK		
Aquifer type:	Not Reported	Well depth:	87.0
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: NY Radon

Basement Screening Results

Zip	Total Sites	Avg	>4 pCi/L	>20 pCi/L	Max	Mean	Standard Dev
10920	76	1.5	3.9	0	12.2	1.1	2.4

State Database: NY Radon

Basement Screening Results

Town	Total Sites	Avg	Mean	Standard Deviation	Max pCi/L	>4 pCi/L	>20 pCi/L
CLARKSTOWN	899	2.1	1.3	2.5	75.4	9.2	.8
HAVERSTRAW	93	2.7	1.8	2.5	14.8	18.3	0
ORANGETOWN	332	2.3	1.4	2.4	123.7	10.5	.3
RAMAPO	585	2.4	1.6	2.5	23.8	15.7	.2
STONY POINT	164	5.4	2.6	3.3	68.5	35.4	6.1

Federal EPA Radon Zone for ROCKLAND County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for ROCKLAND COUNTY, NY

Number of sites tested: 195

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	0.880 pCi/L	94%	3%	3%
Basement	1.340 pCi/L	91%	9%	1%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002. 7.5-Minute DEMs correspond to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the national Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STATE RECORDS

New York Public Water Wells
Source: New York Department of Health
Telephone: 518-458-6731

New York Facility and Manifest Data
Source: NYSDEC
Telephone: 518-457-6585
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

RADON

State Database: NY Radon
Source: Department of Health
Telephone: 518-402-7556
Radon Test Results

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Project ID #: 1J2757

Project ID Name: Con gers, NY

SK Lab Project #: 98-196

Date Reported: 8/4/98

Safety Kleen

ANALYTICAL RESULTS

Volatile Organics in Water

EPA Method 8010

Work Order #	01	02	03	04	05
Collector's Sample #	GT-5	GT-10	GT-6	GT-11	GT-12
Date Sampled	7/23/98	7/23/98	7/23/98	7/23/98	7/23/98
Date Analyzed	7/28/98	7/28/98	7/28/98	7/28/98	7/28/98
Dilution Factor	1	1	1	1	1
Analyte	Report Limit µg/L	Concentration µg/L				
Benzyl Chloride	1	<1	<1	<1	<1	<1
Bromobenzene	1	<1	<1	<1	<1	<1
Bromodichloromethane	1	<1	<1	<1	<1	<1
Bromoform	1	<1	<1	<1	<1	<1
Bromomethane	1	<1	<1	<1	<1	<1
Carbon Tetrachloride	1	<1	<1	<1	<1	<1
Chlorobenzene	1	<1	<1	<1	<1	<1
Chloroethane	1	<1	<1	<1	<1	<1
Chloroform	1	<1	<1	<1	<1	<1
Chloromethane	1	**5.6**	**7.8**	**4.3**	**8.8**	<1
Chlorotoluene	1	<1	<1	<1	<1	<1
Dibromochloromethane	1	<1	<1	<1	<1	<1
Dibromomethane	1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	1	<1	<1	**1.4**	<1	**1.4**
1,3-Dichlorobenzene	1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	1	<1	<1	<1	<1	<1
1,1-Dichloroethane	1	<1	<1	<1	<1	<1
1,2-Dichloroethane	1	<1	<1	<1	<1	<1
1,1-Dichloroethylene	1	<1	<1	<1	<1	<1

Project ID #: 102757

Project ID Name: Congers, NY

SK Lab Project #: 98-196

Date Reported: 8/4/98

ANALYTICAL RESULTS

Volatile Organics in Water

EPA Method 8010

	Work Order #	01	02	03	04	05
	Collector's Sample #	GT-5	GT-10	GT-6	GT-11	GT-12
	Date Sampled	7/23/98	7/23/98	7/23/98	7/23/98	7/23/98
	Date Analyzed	7/28/98	7/28/98	7/28/98	7/28/98	7/28/98
	Dilution Factor	1	1	1	1	1
Analyte	Report Limit ug/L	Concentration µg/L				
cis-1,2-Dichloroethylene	1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethylene	1	<1	<1	<1	<1	<1
Dichloromethane	1	<1	<1	<1	<1	<1
Dichloropropane	1	<1	<1	<1	<1	<1
trans-1,3-Dichloropropylene	1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	1	<1	<1	<1	<1	<1
Tetrachloroethylene	1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	1	<1	<1	<1	<1	<1
Trichloroethylene	1	<1	<1	<1	<1	<1
Trichlorofluoromethane	1	<1	<1	<1	<1	<1
Trichloropropane	1	<1	<1	<1	<1	<1
Vinyl Chloride	1	<1	<1	<1	<1	<1

Analytical Review / Date: Christina L Smith 8-05-98

Project ID #: 102757

Project ID Name: Congers, NY

SK Lab Project #: 98-196

Date Reported: 8/4/98

ANALYTICAL RESULTS

Volatile Organics in Water

EPA Method 8020

	Work Order #	01	02	03	04	05
	Collector's Sample #	GT-5	GT-10	GT-6	GT-11	GT-12
	Date Sampled	7/23/98	7/23/98	7/23/98	7/23/98	7/23/98
	Date Analyzed	7/28/98	7/28/98	7/28/98	7/28/98	7/28/98
	Dilution Factor	1	1	1	1	1
Analyte	Report Limit µg/L	Concentration µg/L				
Benzene	1	<1	<1	<1	<1	<1
Toluene	1	<1	<1	<1	<1	<1
Ethylbenzene	1	<1	<1	<1	<1	<1
X[illegible]es (Total)	1	<1	<1	<1	<1	<1

Analytical Review / Date: Christina L Smith 8-05-98

Project ID #: 102757

Project ID Name: Corgers, NY

SK Lab Project #: 98-196

Date Reported: 8/4/98

ANALYTICAL RESULTS

Volatile Organics in Water

EPA Method 8010

Work Order #	06	07	08	09
Collector's Sample #	Blind Dupe	Bailer Blank	Trip Blank	GT-7
Date Sampled	7/23/98	7/23/98	7/23/98	7/23/98
Date Analyzed	7/29/98	7/29/98	7/29/98	7/29/98
Dilution Factor	1	1	1	1
Analyte	Report Limit µg/L	Concentration µg/L			
Benzyl Chloride	1	<1	<1	<1	<1
Bromobenzene	1	<1	<1	<1	<1
Bromodichloromethane	1	<1	<1	<1	<1
Bromoform	1	<1	<1	<1	<1
Bromomethane	1	<1	<1	<1	<1
Carbon Tetrachloride	1	<1	<1	<1	<1
Chlorobenzene	1	<1	<1	<1	<1
Chloroethane	1	<1	<1	<1	<1
Chloroform	1	<1	<1	<1	<1
Chloromethane	1	**6.5**	**11.0**	**10.6**	<1
Chlorotoluene	1	<1	<1	<1	<1
Dibromochloromethane	1	<1	<1	<1	<1
Dibromomethane	1	<1	<1	<1	<1
1,2-Dichlorobenzene	1	<1	<1	<1	**1.8**
1,3-Dichlorobenzene	1	<1	<1	<1	<1
1,4-Dichlorobenzene	1	<1	<1	<1	<1
Dichlorodifluoromethane	1	<1	<1	<1	<1
1,1-Dichloroethane	1	<1	<1	<1	<1
1,2-Dichloroethane	1	<1	<1	<1	<1
1,1-Dichloroethylene	1	<1	<1	<1	<1

Project ID #: 102757

Project ID Name: Congers, NY

SK Lab Project #: 98-196

Date Reported: 8/4/98

ANALYTICAL RESULTS

Volatile Organics in Water

EPA Method 8010

Work Order #		06	07	08	09
Collector's Sample #		Blind Dupe	Bailer Blank	Trip Blank	GT-7
Date Sampled		7/23/98	7/23/98	7/23/98	7/23/98
Date Analyzed		7/29/98	7/29/98	7/29/98	7/29/98
Dilution Factor		1	1	1	1
Analyte	Report Limit ug/L	Concentration µg/L			
cis-1,2-Dichloroethylene	1	<1	<1	<1	<1
trans-1,2-Dichloroethylene	1	<1	<1	<1	<1
Dichloromethane	1	<1	<1	**1.2**	<1
1,2-Dichloropropane	1	<1	<1	<1	<1
trans-1,3-Dichloropropylene	1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	1	<1	<1	<1	<1
Tetrachloroethylene	1	<1	<1	<1	<1
1,1,1-Trichloroethane	1	<1	<1	<1	<1
1,1,2-Trichloroethane	1	<1	<1	<1	<1
Trichloroethylene	1	<1	<1	<1	<1
Trichlorofluoromethane	1	<1	<1	<1	<1
Trichloropropane	1	<1	<1	<1	<1
Vinyl Chloride	1	<1	<1	<1	<1

Analytical Review / Date: Christina L Smith 8-05-98

Project ID #: 102757

Project ID Name: Congers, NY

SK Lab Project #: 98-196

Date Reported: 8/4/98

ANALYTICAL RESULTS

Volatile Organics in Water

EPA Method 8020

Work Order #	06	07	08	09
Collector's Sample #	Blind Dupe	Bailer Blank	Trip Blank	GT-7
Date Sampled	7/23/98	7/23/98	7/23/98	7/23/98
Date Analyzed	7/29/98	7/29/98	7/29/98	7/29/98
Dilution Factor	1	1	1	1
Analyte	Report Limit µg/L	Concentration µg/L			
Benzene	1	<1	<1	<1	<1
Toluene	1	<1	<1	<1	<1
Ethylbenzene	1	<1	<1	<1	**3.2**
Xylenes (Total)	1	<1	<1	<1	**1.5**

Analytical Review / Date: Christina L Smith 8-05-98

- Data from monitoring wells MW-7 and MW-8 indicate that groundwater quality approximately 100 to 150 feet upgradient of impacted monitoring well MW-3 exhibits the presence of freon-113 and TCE levels in groundwater along the eastern Site boundary. Depth-discrete groundwater sampling indicates that monitoring well MW-8 exhibits appreciably higher concentrations of freon-113 and TCE than groundwater from monitoring well MW-3. Although the highest concentration of contaminants were detected at on site well MW-3 during the November 2000 groundwater sampling event, dilution effects may have affected the analytical results of the upper bedrock water bearing zone at well MW-8 during this sampling event.

- It is likely that an upgradient off-site source is present for the observed groundwater impacts at the Site and vicinity.

- Based on the Qualitative Baseline Human Health Risk Assessment, potential current exposures to site groundwater and indoor air and potential current and future exposures to Site soils, Toms Brook surface water and sediment, and ambient air are not expected to pose a significant risk to human health. If a private water supply well is installed on the Site in the future, use of Site groundwater as a water supply may pose a human health risk to future Site residents or future Site workers (due to the presence of VOCs). This scenario is considered extremely unlikely given the current connection to municipal water (United Water Company) for the Site and surrounding area.

8.2 RECOMMENDATIONS

Based on the findings of the SI, the following recommendations have been formulated:

- Wilsonart has completed the requirements for the Brenner Drive Site (Site#V-00322-3). Wilsonart has agreed to perform the subsurface investigation, as per the voluntary cleanup agreement, to satisfy our obligations with the voluntary cleanup program. The investigation results support the conclusion that the observed groundwater contamination is most likely related to an off-site upgradient source. Therefore, Wilsonart requests that the NYSDEC issue a release or "covenant to not sue" determination.

- Based on Earth Tech's review, should the NYSDEC, NYSDOH, and/or RCDOH want to investigate potential source locations for the observed contaminants at the Site, the targeted search area should include vacant lands and existing and former commercial and/or industrial sites and properties to the north, northeast, and east of the former Wilsonart Site. Given the observed groundwater flow patterns, the following upgradient, off-site parcels are located in areas that may serve as a potential source(s) for observed contaminants in the upper bedrock hydrogeologic unit at the Site and surrounding area. They are:

    1. 200 North Route 303 (former Materials Research Corporation site/SONY, 0.25 mile east and upgradient/crossgradient of Site);
    2. 225 North Route 303 (Interelectronics Corporation, 0.35 mile northeast and upgradient of Wilsonart Site);
    3. 75, 77, and 215 Brenner Drive (Halsey Drug / PAR Pharmaceutical Corp., ~ 0.1 mile north and northeast, and upgradient of, Wilsonart Site)
    4. 110 Brenner Drive;
    5. 200 Brenner Drive (Well Bread Loaf, Inc., 0.2 mile northeast and upgradient of Wilsonart Site);
    6. 250-252 Brenner Drive (Hitachi Seiki, USA, Inc., which is 0.2 mile east and upgradient/crossgradient of Site);

7. 100 Wells Avenue (Warde Electric Contracting, Inc., ~0.2 mile mile northeast and upgradient of Wilsonart Site);
8. 90 / 120 Wells Avenue (Lester Associates, Inc. (0.23 mile south-southeast and upgradient/crossgradient of Site);
9. 125 Wells Avenue;
10. 150 Wells Avenue (ANKA Tool & Die);
11. 151 Wells Avenue (Wizard Comics);
12. former Safety Kleen Corp. Site (0.3 mile west-southwest of Site); and
13. a small dump area identified in woods of 215 Brenner Drive parcel just north of Brenner Drive and east of 77 Brenner Drive Parcel).

Monitoring wells should be installed in these suspect source areas to evaluate overburden and upper bedrock groundwater flow directions and off-site groundwater quality to provide more definitive data on the possible source of Freons, TCE, and other VOCs at the Site in private water wells to the south and southeast of the Site;

- A synoptic round of groundwater elevation measurements and groundwater samples should be collected from both the overburden and upper bedrock hydrogeologic units at upgradient, off-site and on site locations in the study area. These groundwater (overburden and upper bedrock) samples should be collected from wells installed to the north, northeast, and east of the Site and should be analyzed for Freons, volatile organics, and tentatively identified compounds to determine the source of Freons and VOCs observed in the bedrock hydrogeologic unit at the Site and surrounding area; and

- Measures should be implemented to prevent future installation of water supply wells at the Site. This may include institutional controls such as deed restrictions that groundwater should not be used for potable or non-potable purposes at the Site. In addition, Wilsonart mandates that the current occupant adhere to "Good Construction Practices" should be practiced on-site to minimize accidental exposure to bedrock groundwater-related contaminants.

Table 2

Summary of Geologic Information
Former Wilsonart International, Inc. Distribution Facility
Congers, Rockland County, New York

Well I.D.	Ground Surface Elevation (feet)	Depth to Base of Alluvium (feet) / [Elevation]	Depth to Base of Glacial Till (feet) / [Elevation]	Thickness of Glacial Till (feet)	Bedrock Surface Elevation (feet)
MW-1	182.55	NE	~18.0 / [~164.55]	~ 18.0	~ 165
MW-2	183.18	NE	~15.0 / [~168.18]	~ 15.0	~ 168
MW-3	179.43	NE	~24.5 / [~ 154.93]	~ 24.5	~ 155
MW-4	177.6	NE	21.70 / [155.90]	21.7	155.90
MW-5	183.96	NE	4.2 / [179.76]	4.2	179.76
MW-6	177.30	NE	14.10 / [163.20]	14.1	163.20
MW-7	192.70	NE	14.5 / [178.20]	14.5	178.20
MW-8	195.68	NE	18.0 / [177.68]	18.0	177.68
MW-9	168.68	9.67 / [159.01]	17.0 / [151.68]	7.33	151.68

Notes:

NE = Geologic unit was not encountered at this boring location.
Wells MW-1, MW-2, and MW-3 were drilled by EP&S in August 1998. Due to the poor quality of the logs, the geologic contacts are inferred.
Wells MW-4, MW-5, and MW-6 were drilled by Parratt Wolff, Inc. of East Syracuse, N.Y. (Rust, 10/1998).
Wells MW-7, MW-8, and MW-9 were drilled by Parratt Wolff, Inc. (Earth Tech, 10/2000).

Table 3

Summary of Well Construction with Groundwater Elevation Data
Former Wilsonart International, Inc. Distribution Facility
Congers, Rockland County, New York

Well I.D.	Measuring Point Elevation (feet)	Screened Interval (feet BGS)	Screened Elevation (feet)	Depth to Water (feet BMP)	(10/16/00) GW Elev. (feet)	Depth to Water (feet BMP)	(11/17/00) GW Elev. (feet)	Depth to Water (feet BMP)	(12/7/00) GW Elev. (feet)	Depth to Water (feet BMP)	(3/23/01) GW Elev. (feet)	Depth to Water (feet BMP)	(3/30/01) GW Elev. (feet)
MW-1	182.20	19.0 - 30.0	163.55 - 152.55	12.11	170.09	11.90	170.30	11.20	171.00	3.31	178.89	3.42	178.78
MW-2	182.54	19.0 - 30.0	164.18 - 153.18	12.33	170.21	12.57	169.97	11.40	171.14	2.42	180.12	2.45	180.09
MW-3	179.16	19.0 - 30.0	160.43 - 149.43	9.77	169.39	8.95	170.21	8.10	171.06	0.27	~179.43*	-1.17	~180.33*
MW-4	189.45	8.12 - 18.12	171.56 - 161.56	10.70	168.65	9.90	169.45	9.78	169.67	4.91	174.44	9.87	171.48
MW-5	183.74	19.80 - 29.80	164.16 - 154.16	13.89	169.85	12.90	170.84	12.16	171.58	2.72	181.02	2.40	181.34
MW-6	179.45	19.95 - 29.95	159.73 - 149.73	10.81	168.64	10.00	169.45	9.76	169.69	4.83	174.62	4.85	174.60
MW-7	194.76	20.90 - 40.90	171.80 - 151.80	25.18	169.58	24.35	170.41	23.42	171.34	13.68	181.08	13.58	181.18
MW-8	197.58	24.33 - 44.33	171.35 - 151.35	26.86	170.72	26.05	171.53	24.97	172.61	14.05	183.53	13.11	184.47
MW-9	170.30	20.93 - 30.93	147.75 - 137.75	8.60	161.70	7.95	162.35	7.58	162.72	2.35	167.95	2.28	168.02

Notes:

A benchmark elevation of 183.41 was established by Earth Tech on October 21, 1998 for the finish floor (paint mark on concrete steps). Monitoring wells MW-7, MW-8 and MW-9 were surveyed on December 7, 2000.

BGS = Below Ground Surface

BMP = Below Measuring Point (top of inner PVC)

MW-4 is an overburden monitoring well and should not be used to correlate groundwater elevations.

* Well MW-3 was observed to be flowing gently over curb box.

Summary of Groundwater Quality Results (March 30, 2001)
former Wilsonart International, Inc. Distribution Facility
Congers, Rockland County, New York

Compound	Groundwater Sample I.D.														NYSDEC Groundwater Standard or Guidance Value (µg/l)
	MW-1(2)	MW-2(2)	MW-3(1)	MW-3(2)	MW-3(3)	MW-4(2)	MW-5(2)	MW-6(2)	MW-7(2)	MW-8(1)*	MW-8(2)*	MW-8(3)*	FD033101*	MW-9(2)	
Trichloroethene	**27.0**	ND	**8.0**	**8.0**	**9.0**	ND	**11.0**	**23.0**	2.0 J	**55.0**	**56.0**	**61.0**	**52.0**	ND	5
1,1,1-Trichloroethane	2.0 J	ND	ND	ND	ND	ND	ND	3.0 J	ND	ND	4.0 J	**5.0 J**	ND	**15.0**	5
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	3.0 J	ND	ND	ND	ND	ND	4.0 J	5
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0 J	5
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.0 J	5
Chloroform	ND	2.0 BJ	ND	2.0 BJ	ND	ND	ND	ND	ND	13.0 BJ	6.0 BJ	15.0 BJ	12.0 BJ	ND	5
FREON - 113	**120.0**	ND	46.0	30.0	46.0	ND	**85.0**	**110.0**	4.0 J	**510.0**	**410.0**	**520.0**	**410.0**	21.0	50

Notes:
Listed compounds are those that have been detected in groundwater.
All reported values are expressed in micrograms per Liter (µg/l).
Groundwater standards are NYS Ambient Water Quality Standards and Guidance Values (G) and Groundwater Effluent Limitations (June 1998).
Bolded values exceed regulatory standards or guidance values.
Practical Quantitation Limit for Trichloroethene, 1,1,1-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, Methylene Chloride, Chloroform, and FREON - 113 is 5 µg/l.
FD033101 = Duplicate groundwater sample collected from monitoring well MW-8.
ND = Not Detected at or above Practical Quantitation Limit.
MW = Monitoring Well
J = The concentration listed is an estimated value.
BJ = The concentration listed is an estimated value; compound was also detected in method blank.
* = Report result is from a diluted sample analysis.

Summary of Groundwater Quality Results (November 17, 2000)
Former Wilsonart International, Inc. Distribution Facility
Congers, Rockland County, New York

Compound	Groundwater Sample I.D.										NYSDEC Groundwater Standard or Guidance Value (µg/l)
	MW-1	MW-2	MW-3	FD111700	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	
Trichloroethene	7	42	170	180	ND	29	7	22	91	ND	5
1,1,1-Trichloroethane	ND	4 J	16	16	ND	2 J	3 J	ND	7	9	5
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	5	ND	ND	4 J	5
Chloroform	ND	ND	3 J	3 J	ND	ND	ND	4 J	2 J	5 J	5
FREON - 113	ND	220 JN	600 JN	710 JN	ND	120 JN	19 JN	120 JN	530 JN	ND	50

Notes:
Listed compounds are those that have been detected in groundwater.
All reported values are expressed in micrograms per Liter (µg/L).
Groundwater standards are NYS Ambient Water Quality Standards and Guidance Values (G) and Groundwater Effluent Limitations (June 1998).
Bolded values exceed regulatory standards or guidance values.
Practical Quantitation Limit for Trichloroethene, 1,1,1-Trichloroethane, 1,1-Dichloroethane, Chloroform, and FREON 113 is 5 µg/L.
FD111700 = Duplicate groundwater sample collected from monitoring well MW-3.
ND = Not Detected at or above Practical Quantitation Limit.
MW = Monitoring Well
J = The concentration listed is an estimated value.
JN = Indicates an estimated value and indicates presumptive evidence of a compound. The "N" flag is only used for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

APPENDIX D
LABORATORY DATA

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for

RND Services, Inc.
10 Waldron Avenue
Nyack, NY 10960
Attention: Sharima Ryan

Report Date: 6/28/2002
Re: Client Project ID: Congers Colonial Plaza
York Project No.: 02060481

CT License No. PH-0723 New York License No. 10854 Mass. License No. M-CT106 Rhode Island License No. 93 EPA I.D. No. CT00106

ONE RESEARCH DRIVE STAMFORD, CT 06906 (203) 325-1371 FAX (203) 357-0166

Report Date: 6/28/2002
Client Project ID: Congers Colonial Plaza
York Project No.: 02060481

RND Services, Inc.
10 Waldron Avenue
Nyack, NY 10960
Attention: Sharima Ryan

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 06/18/02. The project was identifed as your project "Congers Colonial Plaza ".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables .

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			VES-1		VES-2	
York Sample ID			02060481-01		02060481-02	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles(TO-14 list)	EPA TO14	ppbv	---	---	---	---
1,1,1-Trichloroethane			Not detected	5.0	Not detected	1.0
1,1,2,2-tetrachloroethane			Not detected	5.0	Not detected	1.0
1,1,2-Trichloroethane			Not detected	5.0	Not detected	1.0
1,1-Dichloroethane			Not detected	5.0	Not detected	1.0
1,1-Dichloroethylene			Not detected	5.0	Not detected	1.0
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	1.0
1,2,4-Trimethylbenzene			Not detected	5.0	Not detected	1.0
1,2-Dibromoethane			Not detected	5.0	Not detected	1.0
1,2-Dichlorobenzene			Not detected	5.0	Not detected	1.0
1,2-Dichloroethane			Not detected	5.0	Not detected	1.0
1,2-Dichloropropane			Not detected	5.0	Not detected	1.0
1,2-Dichlorotetrafluoroethane			Not detected	5.0	Not detected	1.0
1,3,5-Trimethylbenzene			Not detected	5.0	Not detected	1.0
1,3-Dichlorobenzene			Not detected	5.0	Not detected	1.0
1,4-Dichlorobenzene			Not detected	5.0	Not detected	1.0
3-Chloropropene			Not detected	5.0	Not detected	1.0

YORK

Client Sample ID			VES-1		VES-2	
York Sample ID			02060481-01		02060481-02	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
4-Ethyltoluene			Not detected	5.0	Not detected	1.0
Benzene			Not detected	5.0	Not detected	1.0
Benzyl Chloride			Not detected	5.0	Not detected	1.0
Bromomethane			Not detected	5.0	Not detected	1.0
Carbon Tetrachloride			Not detected	5.0	Not detected	1.0
Chlorobenzene			Not detected	5.0	Not detected	1.0
Chloroethane			Not detected	5.0	Not detected	1.0
Chloroform			Not detected	5.0	Not detected	1.0
Chloromethane			Not detected	5.0	Not detected	1.0
cis-1,2-Dichloroethylene			Not detected	5.0	Not detected	1.0
cis-1,3-Dichloropropylene			Not detected	5.0	Not detected	1.0
Dichlorodifluoromethane			Not detected	5.0	Not detected	1.0
Ethylbenzene			Not detected	5.0	Not detected	1.0
Freon-113			Not detected	5.0	Not detected	1.0
Hexachloro-1,3-Butadiene			Not detected	5.0	Not detected	1.0
Methylene Chloride			Not detected	5.0	Not detected	1.0
o-Xylene			Not detected	5.0	Not detected	1.0
p- & m-Xylenes			Not detected	5.0	Not detected	1.0
Styrene			Not detected	5.0	Not detected	1.0
Tetrachloroethylene			54.4	5.0	Not detected	1.0
Toluene			Not detected	5.0	Not detected	1.0
trans-1,3-Dichloropropylene			Not detected	5.0	Not detected	1.0
Trichloroethylene			Not detected	5.0	Not detected	1.0
Trichlorofluoromethane			Not detected	5.0	Not detected	1.0
Vinyl Chloride			Not detected	5.0	Not detected	1.0

Units Key: For Waters/Liquids: mg/L = ppm ; ug/L = ppb For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

Notes for York Project No. 02060481

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: _____ **Date:** 6/28/2002

Robert Q. Bradley
Managing Director

YORK

YORK
ANALYTICAL LABORATORIES, INC.
ONE RESEARCH DRIVE
STAMFORD, CT 06906
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

Company Name	Report To:	Invoice To:	Project ID/No.	Samples Collected By (Signature) / Name (Printed)
RND Services Inc	S Ryan	S Ryan	Congers Colonial Plaza	S Ryan / Sharima J. Ryan

Sample No.	Location/ID	Date Sampled	Sample Matrix: Water	Soil	Air	OTHER	ANALYSES REQUESTED	Container Description(s)
1	VES - 1	6-17-02			X		VOA 8260	Tedlar
2	VES 2	6-17-02			X		VOA 8260	Tedlar

Chain-of-Custody Record

	Date/Time		Date/Time		Date/Time
Bottles Relinquished from Lab by		S Ryan	6/18/02 1240	Wayne	6/18 1240
Bottles Received in Field by		Sample Relinquished by		Sample Received in LAB by	6-18-02 13:30

Comments/Special Instructions

Turn-Around Time

X Standard ____RUSH(define)_____

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for

RND Services, Inc.
10 Waldron Avenue
Nyack, NY 10960
Attention: Sharima Ryan

Report Date: 7/17/2002
Re: Client Project ID: Congers Colonial Plaza
York Project No.: 02070187

CT License No. PH-0723 New York License No. 10854 Mass. License No. M-CT106 Rhode Island License No. 93 EPA I.D. No. CT00106

ONE RESEARCH DRIVE STAMFORD, CT 06906 (203) 325-1371 FAX (203) 357-0166

Report Date: 7/17/2002
Client Project ID: Congers Colonial Plaza
York Project No.: 02070187

RND Services, Inc.
10 Waldron Avenue
Nyack, NY 10960
Attention: Sharima Ryan

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 07/08/02. The project was identifed as your project "Congers Colonial Plaza ".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables .

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			MW4 (1-3)		MW4 (3-5)	
York Sample ID			02070187-01		02070187-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8260 list	SW846-8260	ug/Kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,1-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,2-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethylene			Not detected	5.0	Not detected	5.0
1,1-Dichloropropylene			Not detected	5.0	Not detected	5.0
1,2,3-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,3-Trichloropropane			Not detected	5.0	Not detected	5.0
1,2,3-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,4-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,2-Dibromo-3-chloropropane			Not detected	5.0	Not detected	5.0
1,2-Dibromoethane			Not detected	5.0	Not detected	5.0
1,2-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,2-Dichloroethane			Not detected	5.0	Not detected	5.0

YORK

Client Sample ID			MW4 (1-3)		MW4 (3-5)	
York Sample ID			02070187-01		02070187-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2-Dichloroethylene (Total)			Not detected	5.0	Not detected	5.0
1,2-Dichloropropane			Not detected	5.0	Not detected	5.0
1,3,5-Trimethylbenzene			5	5.0	Not detected	5.0
1,3-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,3-Dichloropropane			Not detected	5.0	Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1-Chlorohexane			Not detected	5.0	Not detected	5.0
2,2-Dichloropropane			Not detected	5.0	Not detected	5.0
2-Chlorotoluene			Not detected	5.0	Not detected	5.0
4-Chlorotoluene			Not detected	5.0	Not detected	5.0
Benzene			Not detected	5.0	Not detected	5.0
Bromobenzene			Not detected	5.0	Not detected	5.0
Bromochloromethane			Not detected	5.0	Not detected	5.0
Bromodichloromethane			Not detected	5.0	Not detected	5.0
Bromoform			Not detected	5.0	Not detected	5.0
Bromomethane			Not detected	5.0	Not detected	5.0
Carbon tetrachloride			Not detected	5.0	Not detected	5.0
Chlorobenzene			Not detected	5.0	Not detected	5.0
Chloroethane			Not detected	5.0	Not detected	5.0
Chloroform			Not detected	5.0	Not detected	5.0
Chloromethane			Not detected	5.0	Not detected	5.0
cis-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Dibromochloromethane			Not detected	5.0	Not detected	5.0
Dibromomethane			Not detected	5.0	Not detected	5.0
Dichlorodifluoromethane			Not detected	5.0	Not detected	5.0
Ethylbenzene			Not detected	5.0	Not detected	5.0
Hexachlorobutadiene			Not detected	5.0	Not detected	5.0
Isopropylbenzene			Not detected	5.0	Not detected	5.0
Methylene chloride			Not detected	5.0	Not detected	5.0
Naphthalene			Not detected	5.0	Not detected	5.0
n-Butylbenzene			Not detected	5.0	Not detected	5.0
n-Propylbenzene			Not detected	5.0	Not detected	5.0
o-Xylene			Not detected	5.0	Not detected	5.0
p- & m-Xylenes			Not detected	5.0	Not detected	5.0
p-Isopropyltoluene			Not detected	5.0	Not detected	5.0
sec-Butylbenzene			Not detected	5.0	Not detected	5.0
Styrene			Not detected	5.0	Not detected	5.0
tert-Butylbenzene			Not detected	5.0	Not detected	5.0
Tetrachloroethylene			Not detected	5.0	Not detected	5.0
Toluene			Not detected	5.0	Not detected	5.0
trans-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Trichloroethylene			Not detected	5.0	Not detected	5.0
Trichlorofluoromethane			Not detected	5.0	Not detected	5.0
Vinyl chloride			Not detected	5.0	Not detected	5.0

YORK

Client Sample ID			MW5 (0-2)		MW5 (6-8)	
York Sample ID			02070187-03		02070187-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8260 list	SW846-8260	ug/Kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,1-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,2-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethylene			Not detected	5.0	Not detected	5.0
1,1-Dichloropropylene			Not detected	5.0	Not detected	5.0
1,2,3-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,3-Trichloropropane			Not detected	5.0	Not detected	5.0
1,2,3-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,4-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,2-Dibromo-3-chloropropane			Not detected	5.0	Not detected	5.0
1,2-Dibromoethane			Not detected	5.0	Not detected	5.0
1,2-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,2-Dichloroethane			Not detected	5.0	Not detected	5.0
1,2-Dichloroethylene (Total)			Not detected	5.0	Not detected	5.0
1,2-Dichloropropane			Not detected	5.0	Not detected	5.0
1,3,5-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,3-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,3-Dichloropropane			Not detected	5.0	Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1-Chlorohexane			Not detected	5.0	Not detected	5.0
2,2-Dichloropropane			Not detected	5.0	Not detected	5.0
2-Chlorotoluene			Not detected	5.0	Not detected	5.0
4-Chlorotoluene			Not detected	5.0	Not detected	5.0
Benzene			Not detected	5.0	Not detected	5.0
Bromobenzene			Not detected	5.0	Not detected	5.0
Bromochloromethane			Not detected	5.0	Not detected	5.0
Bromodichloromethane			Not detected	5.0	Not detected	5.0
Bromoform			Not detected	5.0	Not detected	5.0
Bromomethane			Not detected	5.0	Not detected	5.0
Carbon tetrachloride			Not detected	5.0	Not detected	5.0
Chlorobenzene			Not detected	5.0	Not detected	5.0
Chloroethane			Not detected	5.0	Not detected	5.0
Chloroform			Not detected	5.0	Not detected	5.0
Chloromethane			Not detected	5.0	Not detected	5.0
cis-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Dibromochloromethane			Not detected	5.0	Not detected	5.0
Dibromomethane			Not detected	5.0	Not detected	5.0
Dichlorodifluoromethane			Not detected	5.0	Not detected	5.0
Ethylbenzene			Not detected	5.0	Not detected	5.0
Hexachlorobutadiene			Not detected	5.0	Not detected	5.0
Isopropylbenzene			Not detected	5.0	Not detected	5.0
Methylene chloride			Not detected	5.0	Not detected	5.0
Naphthalene			Not detected	5.0	Not detected	5.0
n-Butylbenzene			Not detected	5.0	Not detected	5.0
n-Propylbenzene			Not detected	5.0	Not detected	5.0
o-Xylene			Not detected	5.0	Not detected	5.0
p- & m-Xylenes			Not detected	5.0	Not detected	5.0

YORK

Client Sample ID			MW5 (0-2)		MW5 (6-8)	
York Sample ID			02070187-03		02070187-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
p-Isopropyltoluene			Not detected	5.0	Not detected	5.0
sec-Butylbenzene			Not detected	5.0	Not detected	5.0
Styrene			Not detected	5.0	Not detected	5.0
tert-Butylbenzene			Not detected	5.0	Not detected	5.0
Tetrachloroethylene			Not detected	5.0	Not detected	5.0
Toluene			Not detected	5.0	Not detected	5.0
trans-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Trichloroethylene			Not detected	5.0	Not detected	5.0
Trichlorofluoromethane			Not detected	5.0	Not detected	5.0
Vinyl chloride			Not detected	5.0	Not detected	5.0

Client Sample ID			MW6 (5-7)		MW7 (9-11)	
York Sample ID			02070187-05		02070187-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8260 list	SW846-8260	ug/Kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0	Not detected	1
1,1,1-Trichloroethane			Not detected	5.0	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	5.0	Not detected	1
1,1,2-Trichloroethane			Not detected	5.0	Not detected	1
1,1-Dichloroethane			Not detected	5.0	Not detected	1
1,1-Dichloroethylene			Not detected	5.0	Not detected	1
1,1-Dichloropropylene			Not detected	5.0	Not detected	1
1,2,3-Trichlorobenzene			Not detected	5.0	Not detected	1
1,2,3-Trichloropropane			Not detected	5.0	Not detected	1
1,2,3-Trimethylbenzene			Not detected	5.0	Not detected	1
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	1
1,2,4-Trimethylbenzene			Not detected	5.0	Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	5.0	Not detected	1
1,2-Dibromoethane			Not detected	5.0	Not detected	1
1,2-Dichlorobenzene			Not detected	5.0	Not detected	1
1,2-Dichloroethane			Not detected	5.0	Not detected	1
1,2-Dichloroethylene (Total)			Not detected	5.0	Not detected	1
1,2-Dichloropropane			Not detected	5.0	Not detected	1
1,3,5-Trimethylbenzene			Not detected	5.0	Not detected	1
1,3-Dichlorobenzene			Not detected	5.0	Not detected	1
1,3-Dichloropropane			Not detected	5.0	Not detected	1
1,4-Dichlorobenzene			Not detected	5.0	Not detected	1
1-Chlorohexane			Not detected	5.0	Not detected	1
2,2-Dichloropropane			Not detected	5.0	Not detected	1
2-Chlorotoluene			Not detected	5.0	Not detected	1
4-Chlorotoluene			Not detected	5.0	Not detected	1
Benzene			Not detected	5.0	Not detected	1
Bromobenzene			Not detected	5.0	Not detected	1
Bromochloromethane			Not detected	5.0	Not detected	1
Bromodichloromethane			Not detected	5.0	Not detected	1
Bromoform			Not detected	5.0	Not detected	1
Bromomethane			Not detected	5.0	Not detected	1
Carbon tetrachloride			Not detected	5.0	Not detected	1

YORK

Client Sample ID			MW6 (5-7)		MW7 (9-11)	
York Sample ID			02070187-05		02070187-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Chlorobenzene			Not detected	5.0	Not detected	1
Chloroethane			Not detected	5.0	Not detected	1
Chloroform			Not detected	5.0	Not detected	1
Chloromethane			Not detected	5.0	Not detected	1
cis-1,3-Dichloropropylene			Not detected	5.0	Not detected	1
Dibromochloromethane			Not detected	5.0	Not detected	1
Dibromomethane			Not detected	5.0	Not detected	1
Dichlorodifluoromethane			Not detected	5.0	Not detected	1
Ethylbenzene			Not detected	5.0	Not detected	1
Hexachlorobutadiene			Not detected	5.0	Not detected	1
Isopropylbenzene			Not detected	5.0	Not detected	1
Methylene chloride			Not detected	5.0	Not detected	1
Naphthalene			Not detected	5.0	Not detected	1
n-Butylbenzene			Not detected	5.0	Not detected	1
n-Propylbenzene			Not detected	5.0	Not detected	1
o-Xylene			Not detected	5.0	Not detected	1
p- & m-Xylenes			Not detected	5.0	Not detected	1
p-Isopropyltoluene			Not detected	5.0	Not detected	1
sec-Butylbenzene			Not detected	5.0	Not detected	1
Styrene			Not detected	5.0	Not detected	1
tert-Butylbenzene			Not detected	5.0	Not detected	1
Tetrachloroethylene			Not detected	5.0	Not detected	1
Toluene			Not detected	5.0	Not detected	1
trans-1,3-Dichloropropylene			Not detected	5.0	Not detected	1
Trichloroethylene			Not detected	5.0	Not detected	1
Trichlorofluoromethane			Not detected	5.0	Not detected	1
Vinyl chloride			Not detected	5.0	Not detected	1

Units Key: For Waters/Liquids: mg/L = ppm ; ug/L = ppb For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

Notes for York Project No. 02070187

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: Robert Q. Bradley
Managing Director

Date: 7/17/2002

YORK

YORK
ANALYTICAL LABORATORIES, INC.
ONE RESEARCH DRIVE
STAMFORD, CT 06906
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

Company Name	Report To:	Invoice To:	Project ID/No.	Samples Collected By (Signature) / Name (Printed)
RND Services Inc	S Ryan	S. Ryan	Cingers Colonial Plaza	Shalima Ryan

Sample No.	Location/ID	Date Sampled	Sample Matrix: Water	Soil	Air	OTHER	ANALYSES REQUESTED	Container Description(s)
1	MW4 (1-3)	7-2-02		X			VOC 8260	(1) 40z
2	MW 4 (3-5)	7-2-02		X			VOC 8260	(1) 40z
3	MW 5 (0-2)	7-2-02		X			VOC 8260	(1) 40z
4	MW5 (6-8)	7-2-02		X			VOC 8260	(1) 40z
5	MW6 (5-7)	7-2-02		X			VOC 8260	(1) 40z
6	MW7 (9-11)	7-2-02		X			VOC 8260	(1) 40z

Chain-of-Custody Record

	Date/Time		Date/Time		Date/Time
Bottles Relinquished from Lab by		Sample Relinquished by		Sample Received by	7/8 1030
Bottles Received in Field by		Sample Relinquished by		Sample Received in LAB by	7-8-02/1500

Comments/Special Instructions

Samples 1 & 2 may be elevated in VOC Conc 7-8-02

Turn-Around Time

X Standard ___ RUSH(define)_____

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for

RND Services, Inc.
10 Waldron Avenue
Nyack, NY 10960
Attention: Sharima Ryan

Report Date: 9/30/2002
Re: Client Project ID: Congers Colonial Plaza
York Project No.: 02090447

CT License No. PH-0723 New York License No. 10854 Mass. License No. M-CT106 Rhode Island License No. 93 EPA I.D. No. CT00106

nelac nelap

ONE RESEARCH DRIVE STAMFORD, CT 06906 (203) 325-1371 FAX (203) 357-0166

Report Date: 9/30/2002
Client Project ID: Congers Colonial Plaza
York Project No.: 02090447

RND Services, Inc.
10 Waldron Avenue
Nyack, NY 10960
Attention: Sharima Ryan

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 09/16/02. The project was identifed as your project "Congers Colonial Plaza ".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables .

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			MW-01-A		MW-01-B	
York Sample ID			02090447-01		02090447-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8260 list	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,1-Trichloroethane			Not detected	1	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,1-Dichloropropylene			Not detected	1	Not detected	1
1,2,3-Trichlorobenzene			Not detected	1	Not detected	1
1,2,3-Trichloropropane			Not detected	1	Not detected	1
1,2,3-Trimethylbenzene			Not detected	1	Not detected	1
1,2,4-Trichlorobenzene			Not detected	1	Not detected	1
1,2,4-Trimethylbenzene			Not detected	1	Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1	Not detected	1
1,2-Dibromoethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			Not detected	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1

YORK

Client Sample ID			MW-01-A		MW-01-B	
York Sample ID			02090447-01		02090447-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2-Dichloroethylene (Total)			Not detected	1	Not detected	1
1,2-Dichloropropane			Not detected	1	Not detected	1
1,3,5-Trimethylbenzene			Not detected	1	Not detected	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichloropropane			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2,2-Dichloropropane			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Benzene			Not detected	1	Not detected	1
Bromobenzene			Not detected	1	Not detected	1
Bromochloromethane			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	1	Not detected	1
Carbon tetrachloride			Not detected	1	Not detected	1
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	1	Not detected	1
Chloroform			Not detected	1	Not detected	1
Chloromethane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
Ethylbenzene			Not detected	1	Not detected	1
Hexachlorobutadiene			Not detected	1	Not detected	1
Isopropylbenzene			Not detected	1	Not detected	1
Methylene chloride			Not detected	1	Not detected	1
Naphthalene			Not detected	1	Not detected	1
n-Butylbenzene			Not detected	1	Not detected	1
n-Propylbenzene			Not detected	1	Not detected	1
o-Xylene			Not detected	1	Not detected	1
p- & m-Xylenes			Not detected	1	Not detected	1
p-Isopropyltoluene			Not detected	1	Not detected	1
sec-Butylbenzene			Not detected	1	Not detected	1
Styrene			Not detected	1	Not detected	1
tert-Butylbenzene			Not detected	1	Not detected	1
Tetrachloroethylene			Not detected	1	Not detected	1
Toluene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Trichloroethylene			Not detected	1	Not detected	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	1	Not detected	1

YORK

Client Sample ID			MW-02-A		MW-02-B	
York Sample ID			02090447-03		02090447-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8260 list	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,1-Trichloroethane			Not detected	1	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,1-Dichloropropylene			Not detected	1	Not detected	1
1,2,3-Trichlorobenzene			Not detected	1	Not detected	1
1,2,3-Trichloropropane			Not detected	1	Not detected	1
1,2,3-Trimethylbenzene			Not detected	1	Not detected	1
1,2,4-Trichlorobenzene			Not detected	1	Not detected	1
1,2,4-Trimethylbenzene			Not detected	1	Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1	Not detected	1
1,2-Dibromoethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			Not detected	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1
1,2-Dichloroethylene (Total)			2(cis-)	1	4(cis-)	1
1,2-Dichloropropane			Not detected	1	Not detected	1
1,3,5-Trimethylbenzene			Not detected	1	Not detected	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichloropropane			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2,2-Dichloropropane			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Benzene			Not detected	1	Not detected	1
Bromobenzene			Not detected	1	Not detected	1
Bromochloromethane			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	1	Not detected	1
Carbon tetrachloride			Not detected	1	Not detected	1
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	1	Not detected	1
Chloroform			Not detected	1	Not detected	1
Chloromethane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
Ethylbenzene			Not detected	1	Not detected	1
Hexachlorobutadiene			Not detected	1	Not detected	1
Isopropylbenzene			Not detected	1	Not detected	1
Methylene chloride			Not detected	1	Not detected	1
Naphthalene			Not detected	1	Not detected	1
n-Butylbenzene			Not detected	1	Not detected	1
n-Propylbenzene			Not detected	1	Not detected	1
o-Xylene			Not detected	1	Not detected	1
p- & m-Xylenes			Not detected	1	Not detected	1

YORK

Client Sample ID			MW-02-A		MW-02-B	
York Sample ID			02090447-03		02090447-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
p-Isopropyltoluene			Not detected	1	Not detected	1
sec-Butylbenzene			Not detected	1	Not detected	1
Styrene			Not detected	1	Not detected	1
tert-Butylbenzene			Not detected	1	Not detected	1
Tetrachloroethylene			Not detected	1	Not detected	1
Toluene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Trichloroethylene			3	1	3	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	1	Not detected	1

Client Sample ID			MW-03-A		MW-03-B	
York Sample ID			02090447-05		02090447-06	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8260 list	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,1-Trichloroethane			Not detected	1	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,1-Dichloropropylene			Not detected	1	Not detected	1
1,2,3-Trichlorobenzene			Not detected	1	Not detected	1
1,2,3-Trichloropropane			Not detected	1	Not detected	1
1,2,3-Trimethylbenzene			Not detected	1	Not detected	1
1,2,4-Trichlorobenzene			Not detected	1	Not detected	1
1,2,4-Trimethylbenzene			Not detected	1	Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1	Not detected	1
1,2-Dibromoethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			Not detected	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1	Not detected	1
1,2-Dichloropropane			Not detected	1	Not detected	1
1,3,5-Trimethylbenzene			Not detected	1	Not detected	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichloropropane			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2,2-Dichloropropane			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Benzene			Not detected	1	Not detected	1
Bromobenzene			Not detected	1	Not detected	1
Bromochloromethane			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	1	Not detected	1
Carbon tetrachloride			Not detected	1	Not detected	1

YORK

Client Sample ID			MW-03-A		MW-03-B	
York Sample ID			02090447-05		02090447-06	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	1	Not detected	1
Chloroform			Not detected	1	Not detected	1
Chloromethane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
Ethylbenzene			Not detected	1	Not detected	1
Hexachlorobutadiene			Not detected	1	Not detected	1
Isopropylbenzene			Not detected	1	Not detected	1
Methylene chloride			Not detected	1	Not detected	1
Naphthalene			Not detected	1	Not detected	1
n-Butylbenzene			Not detected	1	Not detected	1
n-Propylbenzene			Not detected	1	Not detected	1
o-Xylene			Not detected	1	Not detected	1
p- & m-Xylenes			Not detected	1	Not detected	1
p-Isopropyltoluene			Not detected	1	Not detected	1
sec-Butylbenzene			Not detected	1	Not detected	1
Styrene			Not detected	1	Not detected	1
tert-Butylbenzene			Not detected	1	Not detected	1
Tetrachloroethylene			170	1	180	1
Toluene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Trichloroethylene			Not detected	1	Not detected	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	1	Not detected	1

Client Sample ID			MW-04-A		MW-04-B	
York Sample ID			02090447-07		02090447-08	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8260 list	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,1-Trichloroethane			Not detected	1	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,1-Dichloropropylene			Not detected	1	Not detected	1
1,2,3-Trichlorobenzene			Not detected	1	Not detected	1
1,2,3-Trichloropropane			Not detected	1	Not detected	1
1,2,3-Trimethylbenzene			Not detected	1	Not detected	1
1,2,4-Trichlorobenzene			Not detected	1	Not detected	1
1,2,4-Trimethylbenzene			Not detected	1	Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1	Not detected	1
1,2-Dibromoethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			Not detected	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1

YORK

Client Sample ID			MW-04-A		MW-04-B	
York Sample ID			02090447-07		02090447-08	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2-Dichloroethylene (Total)			Not detected	1	Not detected	1
1,2-Dichloropropane			Not detected	1	Not detected	1
1,3,5-Trimethylbenzene			Not detected	1	Not detected	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichloropropane			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2,2-Dichloropropane			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Benzene			Not detected	1	Not detected	1
Bromobenzene			Not detected	1	Not detected	1
Bromochloromethane			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	1	Not detected	1
Carbon tetrachloride			Not detected	1	Not detected	1
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	1	Not detected	1
Chloroform			Not detected	1	Not detected	1
Chloromethane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
Ethylbenzene			Not detected	1	Not detected	1
Hexachlorobutadiene			Not detected	1	Not detected	1
Isopropylbenzene			Not detected	1	Not detected	1
Methylene chloride			Not detected	1	Not detected	1
Naphthalene			Not detected	1	Not detected	1
n-Butylbenzene			Not detected	1	Not detected	1
n-Propylbenzene			Not detected	1	Not detected	1
o-Xylene			Not detected	1	Not detected	1
p- & m-Xylenes			Not detected	1	Not detected	1
p-Isopropyltoluene			Not detected	1	Not detected	1
sec-Butylbenzene			Not detected	1	Not detected	1
Styrene			Not detected	1	Not detected	1
tert-Butylbenzene			Not detected	1	Not detected	1
Tetrachloroethylene			Not detected	1	Not detected	1
Toluene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Trichloroethylene			Not detected	1	Not detected	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	1	Not detected	1

YORK

Client Sample ID			MW-05-A		MW-05-B	
York Sample ID			02090447-09		02090447-10	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8260 list	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,1-Trichloroethane			Not detected	1	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,1-Dichloropropylene			Not detected	1	Not detected	1
1,2,3-Trichlorobenzene			Not detected	1	Not detected	1
1,2,3-Trichloropropane			Not detected	1	Not detected	1
1,2,3-Trimethylbenzene			Not detected	1	Not detected	1
1,2,4-Trichlorobenzene			Not detected	1	Not detected	1
1,2,4-Trimethylbenzene			Not detected	1	Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1	Not detected	1
1,2-Dibromoethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			Not detected	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1	Not detected	1
1,2-Dichloropropane			Not detected	1	Not detected	1
1,3,5-Trimethylbenzene			Not detected	1	Not detected	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichloropropane			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2,2-Dichloropropane			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Benzene			Not detected	1	Not detected	1
Bromobenzene			Not detected	1	Not detected	1
Bromochloromethane			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	1	Not detected	1
Carbon tetrachloride			Not detected	1	Not detected	1
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	1	Not detected	1
Chloroform			Not detected	1	Not detected	1
Chloromethane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
Ethylbenzene			Not detected	1	Not detected	1
Hexachlorobutadiene			Not detected	1	Not detected	1
Isopropylbenzene			Not detected	1	Not detected	1
Methylene chloride			Not detected	1	Not detected	1
Naphthalene			Not detected	1	Not detected	1
n-Butylbenzene			Not detected	1	Not detected	1
n-Propylbenzene			Not detected	1	Not detected	1
o-Xylene			Not detected	1	Not detected	1
p- & m-Xylenes			Not detected	1	Not detected	1

YORK

Client Sample ID			MW-05-A		MW-05-B	
York Sample ID			02090447-09		02090447-10	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
p-Isopropyltoluene			Not detected	1	Not detected	1
sec-Butylbenzene			Not detected	1	Not detected	1
Styrene			Not detected	1	Not detected	1
tert-Butylbenzene			Not detected	1	Not detected	1
Tetrachloroethylene			Not detected	1	Not detected	1
Toluene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Trichloroethylene			Not detected	1	Not detected	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	1	Not detected	1

Client Sample ID			MW-06-A		MW-06-B	
York Sample ID			02090447-11		02090447-12	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8260 list	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,1-Trichloroethane			Not detected	1	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,1-Dichloropropylene			Not detected	1	Not detected	1
1,2,3-Trichlorobenzene			Not detected	1	Not detected	1
1,2,3-Trichloropropane			Not detected	1	Not detected	1
1,2,3-Trimethylbenzene			Not detected	1	Not detected	1
1,2,4-Trichlorobenzene			Not detected	1	Not detected	1
1,2,4-Trimethylbenzene			Not detected	1	Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1	Not detected	1
1,2-Dibromoethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			Not detected	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1	Not detected	1
1,2-Dichloropropane			Not detected	1	Not detected	1
1,3,5-Trimethylbenzene			Not detected	1	Not detected	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichloropropane			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2,2-Dichloropropane			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Benzene			Not detected	1	Not detected	1
Bromobenzene			Not detected	1	Not detected	1
Bromochloromethane			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	1	Not detected	1
Carbon tetrachloride			Not detected	1	Not detected	1

YORK

Client Sample ID			MW-06-A		MW-06-B	
York Sample ID			02090447-11		02090447-12	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	1	Not detected	1
Chloroform			Not detected	1	Not detected	1
Chloromethane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
Ethylbenzene			Not detected	1	Not detected	1
Hexachlorobutadiene			Not detected	1	Not detected	1
Isopropylbenzene			Not detected	1	Not detected	1
Methylene chloride			Not detected	1	Not detected	1
Naphthalene			Not detected	1	Not detected	1
n-Butylbenzene			Not detected	1	Not detected	1
n-Propylbenzene			Not detected	1	Not detected	1
o-Xylene			Not detected	1	Not detected	1
p- & m-Xylenes			Not detected	1	Not detected	1
p-Isopropyltoluene			Not detected	1	Not detected	1
sec-Butylbenzene			Not detected	1	Not detected	1
Styrene			Not detected	1	Not detected	1
tert-Butylbenzene			Not detected	1	Not detected	1
Tetrachloroethylene			Not detected	1	Not detected	1
Toluene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Trichloroethylene			Not detected	1	Not detected	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	1	Not detected	1

Client Sample ID			MW-07-A		MW-07-B	
York Sample ID			02090447-13		02090447-14	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8260 list	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,1-Trichloroethane			Not detected	1	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,1-Dichloropropylene			Not detected	1	Not detected	1
1,2,3-Trichlorobenzene			Not detected	1	Not detected	1
1,2,3-Trichloropropane			Not detected	1	Not detected	1
1,2,3-Trimethylbenzene			Not detected	1	Not detected	1
1,2,4-Trichlorobenzene			Not detected	1	Not detected	1
1,2,4-Trimethylbenzene			Not detected	1	Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1	Not detected	1
1,2-Dibromoethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			Not detected	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1

YORK

Client Sample ID			MW-07-A		MW-07-B	
York Sample ID			02090447-13		02090447-14	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2-Dichloroethylene (Total)			Not detected	1	Not detected	1
1,2-Dichloropropane			Not detected	1	Not detected	1
1,3,5-Trimethylbenzene			Not detected	1	Not detected	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichloropropane			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2,2-Dichloropropane			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Benzene			Not detected	1	Not detected	1
Bromobenzene			Not detected	1	Not detected	1
Bromochloromethane			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	1	Not detected	1
Carbon tetrachloride			Not detected	1	Not detected	1
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	1	Not detected	1
Chloroform			Not detected	1	Not detected	1
Chloromethane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
Ethylbenzene			Not detected	1	Not detected	1
Hexachlorobutadiene			Not detected	1	Not detected	1
Isopropylbenzene			Not detected	1	Not detected	1
Methylene chloride			Not detected	1	Not detected	1
Naphthalene			Not detected	1	Not detected	1
n-Butylbenzene			Not detected	1	Not detected	1
n-Propylbenzene			Not detected	1	Not detected	1
o-Xylene			Not detected	1	Not detected	1
p- & m-Xylenes			Not detected	1	Not detected	1
p-Isopropyltoluene			Not detected	1	Not detected	1
sec-Butylbenzene			Not detected	1	Not detected	1
Styrene			Not detected	1	Not detected	1
tert-Butylbenzene			Not detected	1	Not detected	1
Tetrachloroethylene			Not detected	1	Not detected	1
Toluene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Trichloroethylene			Not detected	1	Not detected	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	1	Not detected	1

Units Key: For Waters/Liquids: mg/L = ppm ; ug/L = ppb For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

YORK

Report Date: 9/30/2002
Client Project ID: Congers Colonial Plaza
York Project No.: 02090447

Notes for York Project No. 02090447

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: _____ **Date:** 9/30/2002
Robert Q. Bradley
Managing Director

YORK

YORK
ANALYTICAL LABORATORIES, INC.
ONE RESEARCH DRIVE
STAMFORD, CT 06906
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

Company Name	Report To:	Invoice To:	Project ID/No.	Samples Collected By (Signature) / Name (Printed)
RND Services Inc	S Ryan	S Ryan	Congress Colonial Plaza	Sharmila Rych

Sample No.	Location/ID	Date Sampled	Sample Matrix: Water	Soil	Air	OTHER	ANALYSES REQUESTED	Container Description(s)
1	MW-01-A	9-13-02	X				VOA 8260	(2) 40 ml
2	MW-01-B	9-13-02	X				VOA 8260	(2) 40 ml
3	MW-02-A	9-12-02	X				VOA 8260	(2) 40 ml
4	MW-02-B	9-12-02	X				VOA 8260	(2) 40 ml
5	MW-03-A	9-12-02	X				VOA 8260	(2) 40 ml
6	MW-03-B	9-12-02	X				VOA 8260	(2) 40 ml
7	MW-04-A	9-12-02	X				VOA 8260	(2) 40 ml
8	MW-04-B	9-12-02	X				VOA 8260	(2) 40 ml
9	MW-05-A	9-12-02	X				VOA 8260	(2) 40 ml
10	MW-05-B	9-12-02	X				VOA 8260	(2) 40 ml

Chain-of-Custody Record

Bottles Relinquished from Lab by	Date/Time	Sample Relinquished by	9/16/02 2:15 Date/Time	Sample Received by	9/16 2:15 Date/Time
Bottles Received in Field by	Date/Time	Sample Relinquished by	Date/Time	Sample Received in LAB by	9/16 5:15 Date/Time

Comments/Special Instructions

Turn-Around Time

X Standard ___ RUSH(define)_____

YORK
ANALYTICAL LABORATORIES, INC.
ONE RESEARCH DRIVE
STAMFORD, CT 06906
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

Company Name	Report To:	Invoice To:	Project ID/No.	Samples Collected By (Signature) / Name (Printed)
RMD	S. Ryan	S Ryan	Cinges Colonial Plaza	Sharima Ryan

Sample No.	Location/ID	Date Sampled	Sample Matrix: Water	Soil	Air	OTHER	ANALYSES REQUESTED	Container Description(s)
11	MW-06-A	9-13-02	X				VOA 8260	(2) 40 ml
12	MW 6-B	9-13-02	X				VOA 8260	(2) 40 ml
13	MW-07-A	9-12-02	X				VOA 8260	(2) 40 ml
14	MW-07-B	9-12-02	X				VOA 8260	(2) 40 ml

Chain-of-Custody Record

Bottles Relinquished from Lab by	Date/Time	Sample Relinquished by	9/16/02	Sample Received by	9/16 2:55
Bottles Received in Field by	Date/Time	Sample Relinquished by	Date/Time	Sample Received in LAB by	Date/Time

Comments/Special Instructions

Turn-Around Time
X Standard ___ RUSH(define)

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for

RND Services, Inc.
10 Waldron Avenue
Nyack, NY 10960
Attention: Sharima Ryan

Report Date: 1/31/2003
Re: Client Project ID: Congers Colonial Plaza
York Project No.: 03010686

CT License No. PH-0723 New York License No. 10854 Mass. License No. M-CT106 Rhode Island License No. 93 EPA I.D. No. CT00106

nelac nelap

ONE RESEARCH DRIVE STAMFORD, CT 06906 (203) 325-1371 FAX (203) 357-0166

Report Date: 1/31/2003
Client Project ID: Congers Colonial Plaza
York Project No.: 03010686

RND Services, Inc.
10 Waldron Avenue
Nyack, NY 10960
Attention: Sharima Ryan

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 01/28/03. The project was identifed as your project "Congers Colonial Plaza ".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables .

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			MW-3B-B		MW6B-B	
York Sample ID			03010686-01		03010686-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8260 list	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,1-Trichloroethane			Not detected	1	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,1-Dichloropropylene			Not detected	1	Not detected	1
1,2,3-Trichlorobenzene			Not detected	1	Not detected	1
1,2,3-Trichloropropane			Not detected	1	Not detected	1
1,2,3-Trimethylbenzene			Not detected	1	Not detected	1
1,2,4-Trichlorobenzene			Not detected	1	Not detected	1
1,2,4-Trimethylbenzene			Not detected	1	Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1	Not detected	1
1,2-Dibromoethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			Not detected	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1

YORK

Client Sample ID			MW-3B-B		MW6B-B	
York Sample ID			03010686-01		03010686-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2-Dichloroethylene (Total)			Not detected	1	Not detected	1
1,2-Dichloropropane			Not detected	1	Not detected	1
1,3,5-Trimethylbenzene			Not detected	1	Not detected	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichloropropane			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2,2-Dichloropropane			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Benzene			Not detected	1	Not detected	1
Bromobenzene			Not detected	1	Not detected	1
Bromochloromethane			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	1	Not detected	1
Carbon tetrachloride			Not detected	1	Not detected	1
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	1	Not detected	1
Chloroform			12	1	2	1
Chloromethane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
Ethylbenzene			Not detected	1	Not detected	1
Hexachlorobutadiene			Not detected	1	Not detected	1
Isopropylbenzene			Not detected	1	Not detected	1
Methylene chloride			Not detected	1	Not detected	1
Naphthalene			Not detected	1	Not detected	1
n-Butylbenzene			Not detected	1	Not detected	1
n-Propylbenzene			Not detected	1	Not detected	1
o-Xylene			Not detected	1	Not detected	1
p- & m-Xylenes			Not detected	1	Not detected	1
p-Isopropyltoluene			Not detected	1	Not detected	1
sec-Butylbenzene			Not detected	1	Not detected	1
Styrene			Not detected	1	Not detected	1
tert-Butylbenzene			Not detected	1	Not detected	1
Tetrachloroethylene			Not detected	1	Not detected	1
Toluene			2	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Trichloroethylene			Not detected	1	Not detected	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	1	Not detected	1

YORK

Client Sample ID			MW7B-B	
York Sample ID			03010686-03	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
Volatiles-8260 list	SW846-8260	ug/L	---	---
1,1,1,2-Tetrachloroethane			Not detected	1
1,1,1-Trichloroethane			Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1
1,1,2-Trichloroethane			Not detected	1
1,1-Dichloroethane			Not detected	1
1,1-Dichloroethylene			Not detected	1
1,1-Dichloropropylene			Not detected	1
1,2,3-Trichlorobenzene			Not detected	1
1,2,3-Trichloropropane			Not detected	1
1,2,3-Trimethylbenzene			Not detected	1
1,2,4-Trichlorobenzene			Not detected	1
1,2,4-Trimethylbenzene			Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1
1,2-Dibromoethane			Not detected	1
1,2-Dichlorobenzene			Not detected	1
1,2-Dichloroethane			Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1
1,2-Dichloropropane			Not detected	1
1,3,5-Trimethylbenzene			Not detected	1
1,3-Dichlorobenzene			Not detected	1
1,3-Dichloropropane			Not detected	1
1,4-Dichlorobenzene			Not detected	1
1-Chlorohexane			Not detected	1
2,2-Dichloropropane			Not detected	1
2-Chlorotoluene			Not detected	1
4-Chlorotoluene			Not detected	1
Benzene			Not detected	1
Bromobenzene			Not detected	1
Bromochloromethane			Not detected	1
Bromodichloromethane			4	1
Bromoform			Not detected	1
Bromomethane			Not detected	1
Carbon tetrachloride			Not detected	1
Chlorobenzene			Not detected	1
Chloroethane			Not detected	1
Chloroform			34	1
Chloromethane			Not detected	1
cis-1,3-Dichloropropylene			Not detected	1
Dibromochloromethane			Not detected	1
Dibromomethane			Not detected	1
Dichlorodifluoromethane			Not detected	1
Ethylbenzene			Not detected	1
Hexachlorobutadiene			Not detected	1
Isopropylbenzene			Not detected	1
Methylene chloride			Not detected	1
Naphthalene			Not detected	1
n-Butylbenzene			Not detected	1
n-Propylbenzene			Not detected	1

YORK

Client Sample ID			MW7B-B	
York Sample ID			03010686-03	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
o-Xylene			Not detected	1
p- & m-Xylenes			Not detected	1
p-Isopropyltoluene			Not detected	1
sec-Butylbenzene			Not detected	1
Styrene			Not detected	1
tert-Butylbenzene			Not detected	1
Tetrachloroethylene			Not detected	1
Toluene			Not detected	1
trans-1,3-Dichloropropylene			Not detected	1
Trichloroethylene			Not detected	1
Trichlorofluoromethane			Not detected	1
Vinyl chloride			Not detected	1

Units Key: For Waters/Liquids: mg/L = ppm ; ug/L = ppb For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

Notes for York Project No. 03010686

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: _____ **Date:** 1/31/2003

Robert Q. Bradley
Managing Director

YORK

YORK
ANALYTICAL LABORATORIES, INC.
ONE RESEARCH DRIVE
STAMFORD, CT 06906
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

03010686

Company Name	Report To:	Invoice To:	Project ID/No.	Samples Collected By (Signature) / Name (Printed)
RND Services Inc	S. Ryan	S. Ryan	Congers Colonial Plaza	[signature] / Shawne Ryan

Sample No.	Location/ID	Date Sampled	Water	Soil	Air	OTHER	ANALYSES REQUESTED	Container Description(s)
1	MW-3B-B	1-24-03	X				VOA 8260	(3) 40 ml
2	MW 6B-B	1-24-03	X				VOA 8260	(3) 40 ml
3	MW 17B-B	1-24-03	X				VOA 8260	(3) 40 ml

Chain-of-Custody Record

Bottles Relinquished from Lab by	Date/Time	Sample Relinquished by	Date/Time	Sample Received by	Date/Time
		[signature] S Ryan	1/28/03 930	Wayne	1/28 930

Bottles Received in Field by	Date/Time	Sample Relinquished by	Date/Time	Sample Received in LAB by	Date/Time
				[signature]	1/28 2:15P 4.4C

Comments/Special Instructions

Turn-Around Time
X Standard ___RUSH(define)________

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for

RND Services, Inc.
10 Waldron Avenue
Nyack, NY 10960
Attention: Sharima Ryan

Report Date: 6/21/2002
Re: Client Project ID: Congers Colonial
York Project No.: 02060479

CT License No. PH-0723 New York License No. 10854 Mass. License No. M-CT106 Rhode Island License No. 93 EPA I.D. No. CT00106

ONE RESEARCH DRIVE STAMFORD, CT 06906 (203) 325-1371 FAX (203) 357-0166

Report Date: 6/21/2002
Client Project ID: Congers Colonial
York Project No.: 02060479

RND Services, Inc.
10 Waldron Avenue
Nyack, NY 10960
Attention: Sharima Ryan

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 06/18/02. The project was identifed as your project "Congers Colonial ".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables .

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			SDA-3A		SDA-4A	
York Sample ID			02060479-01		02060479-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8260 list	SW846-8260	ug/Kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,1-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,2-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethylene			Not detected	5.0	Not detected	5.0
1,1-Dichloropropylene			Not detected	5.0	Not detected	5.0
1,2,3-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,3-Trichloropropane			Not detected	5.0	Not detected	5.0
1,2,3-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,4-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,2-Dibromo-3-chloropropane			Not detected	5.0	Not detected	5.0
1,2-Dibromoethane			Not detected	5.0	Not detected	5.0
1,2-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,2-Dichloroethane			Not detected	5.0	Not detected	5.0

YORK

Client Sample ID			SDA-3A		SDA-4A	
York Sample ID			02060479-01		02060479-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2-Dichloroethylene (Total)			Not detected	5.0	Not detected	5.0
1,2-Dichloropropane			Not detected	5.0	Not detected	5.0
1,3,5-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,3-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,3-Dichloropropane			Not detected	5.0	Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1-Chlorohexane			Not detected	5.0	Not detected	5.0
2,2-Dichloropropane			Not detected	5.0	Not detected	5.0
2-Chlorotoluene			Not detected	5.0	Not detected	5.0
4-Chlorotoluene			Not detected	5.0	Not detected	5.0
Benzene			Not detected	5.0	Not detected	5.0
Bromobenzene			Not detected	5.0	Not detected	5.0
Bromochloromethane			Not detected	5.0	Not detected	5.0
Bromodichloromethane			Not detected	5.0	Not detected	5.0
Bromoform			Not detected	5.0	Not detected	5.0
Bromomethane			Not detected	5.0	Not detected	5.0
Carbon tetrachloride			Not detected	5.0	Not detected	5.0
Chlorobenzene			Not detected	5.0	Not detected	5.0
Chloroethane			Not detected	5.0	Not detected	5.0
Chloroform			Not detected	5.0	Not detected	5.0
Chloromethane			Not detected	5.0	Not detected	5.0
cis-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Dibromochloromethane			Not detected	5.0	Not detected	5.0
Dibromomethane			Not detected	5.0	Not detected	5.0
Dichlorodifluoromethane			Not detected	5.0	Not detected	5.0
Ethylbenzene			Not detected	5.0	Not detected	5.0
Hexachlorobutadiene			Not detected	5.0	Not detected	5.0
Isopropylbenzene			Not detected	5.0	Not detected	5.0
Methylene chloride			Not detected	5.0	Not detected	5.0
Naphthalene			Not detected	5.0	Not detected	5.0
n-Butylbenzene			Not detected	5.0	Not detected	5.0
n-Propylbenzene			Not detected	5.0	Not detected	5.0
o-Xylene			Not detected	5.0	Not detected	5.0
p- & m-Xylenes			Not detected	5.0	Not detected	5.0
p-Isopropyltoluene			Not detected	5.0	Not detected	5.0
sec-Butylbenzene			Not detected	5.0	Not detected	5.0
Styrene			Not detected	5.0	Not detected	5.0
tert-Butylbenzene			Not detected	5.0	Not detected	5.0
Tetrachloroethylene			Not detected	5.0	Not detected	5.0
Toluene			Not detected	5.0	Not detected	5.0
trans-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Trichloroethylene			Not detected	5.0	Not detected	5.0
Trichlorofluoromethane			Not detected	5.0	Not detected	5.0
Vinyl chloride			Not detected	5.0	Not detected	5.0
Total Organic Carbon	SM	mg/kg	5700	250	---	---

YORK

Client Sample ID			SDA-5A		SDA-6A	
York Sample ID			02060479-03		02060479-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8260 list	SW846-8260	ug/Kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,1-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,2-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethylene			Not detected	5.0	Not detected	5.0
1,1-Dichloropropylene			Not detected	5.0	Not detected	5.0
1,2,3-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,3-Trichloropropane			Not detected	5.0	Not detected	5.0
1,2,3-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,4-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,2-Dibromo-3-chloropropane			Not detected	5.0	Not detected	5.0
1,2-Dibromoethane			Not detected	5.0	Not detected	5.0
1,2-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,2-Dichloroethane			Not detected	5.0	Not detected	5.0
1,2-Dichloroethylene (Total)			Not detected	5.0	Not detected	5.0
1,2-Dichloropropane			Not detected	5.0	Not detected	5.0
1,3,5-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,3-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,3-Dichloropropane			Not detected	5.0	Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1-Chlorohexane			Not detected	5.0	Not detected	5.0
2,2-Dichloropropane			Not detected	5.0	Not detected	5.0
2-Chlorotoluene			Not detected	5.0	Not detected	5.0
4-Chlorotoluene			Not detected	5.0	Not detected	5.0
Benzene			Not detected	5.0	Not detected	5.0
Bromobenzene			Not detected	5.0	Not detected	5.0
Bromochloromethane			Not detected	5.0	Not detected	5.0
Bromodichloromethane			Not detected	5.0	Not detected	5.0
Bromoform			Not detected	5.0	Not detected	5.0
Bromomethane			Not detected	5.0	Not detected	5.0
Carbon tetrachloride			Not detected	5.0	Not detected	5.0
Chlorobenzene			Not detected	5.0	Not detected	5.0
Chloroethane			Not detected	5.0	Not detected	5.0
Chloroform			Not detected	5.0	Not detected	5.0
Chloromethane			Not detected	5.0	Not detected	5.0
cis-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Dibromochloromethane			Not detected	5.0	Not detected	5.0
Dibromomethane			Not detected	5.0	Not detected	5.0
Dichlorodifluoromethane			Not detected	5.0	Not detected	5.0
Ethylbenzene			Not detected	5.0	Not detected	5.0
Hexachlorobutadiene			Not detected	5.0	Not detected	5.0
Isopropylbenzene			Not detected	5.0	Not detected	5.0
Methylene chloride			Not detected	5.0	Not detected	5.0
Naphthalene			Not detected	5.0	Not detected	5.0
n-Butylbenzene			Not detected	5.0	Not detected	5.0
n-Propylbenzene			Not detected	5.0	Not detected	5.0
o-Xylene			Not detected	5.0	Not detected	5.0

YORK

Client Sample ID			SDA-5A		SDA-6A	
York Sample ID			02060479-03		02060479-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
p- & m-Xylenes			Not detected	5.0	Not detected	5.0
p-Isopropyltoluene			Not detected	5.0	Not detected	5.0
sec-Butylbenzene			Not detected	5.0	Not detected	5.0
Styrene			Not detected	5.0	Not detected	5.0
tert-Butylbenzene			Not detected	5.0	Not detected	5.0
Tetrachloroethylene			Not detected	5.0	Not detected	5.0
Toluene			Not detected	5.0	Not detected	5.0
trans-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Trichloroethylene			Not detected	5.0	Not detected	5.0
Trichlorofluoromethane			Not detected	5.0	Not detected	5.0
Vinyl chloride			Not detected	5.0	Not detected	5.0
Total Organic Carbon	SM	mg/kg	---	---	2700	250

Client Sample ID			SDA-7A		SDA-8A	
York Sample ID			02060479-05		02060479-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8260 list	SW846-8260	ug/Kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,1-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,2-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethylene			Not detected	5.0	Not detected	5.0
1,1-Dichloropropylene			Not detected	5.0	Not detected	5.0
1,2,3-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,3-Trichloropropane			Not detected	5.0	Not detected	5.0
1,2,3-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,4-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,2-Dibromo-3-chloropropane			Not detected	5.0	Not detected	5.0
1,2-Dibromoethane			Not detected	5.0	Not detected	5.0
1,2-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,2-Dichloroethane			Not detected	5.0	Not detected	5.0
1,2-Dichloroethylene (Total)			Not detected	5.0	Not detected	5.0
1,2-Dichloropropane			Not detected	5.0	Not detected	5.0
1,3,5-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,3-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,3-Dichloropropane			Not detected	5.0	Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1-Chlorohexane			Not detected	5.0	Not detected	5.0
2,2-Dichloropropane			Not detected	5.0	Not detected	5.0
2-Chlorotoluene			Not detected	5.0	Not detected	5.0
4-Chlorotoluene			Not detected	5.0	Not detected	5.0
Benzene			Not detected	5.0	Not detected	5.0
Bromobenzene			Not detected	5.0	Not detected	5.0
Bromochloromethane			Not detected	5.0	Not detected	5.0
Bromodichloromethane			Not detected	5.0	Not detected	5.0
Bromoform			Not detected	5.0	Not detected	5.0

YORK

Client Sample ID			SDA-7A		SDA-8A	
York Sample ID			02060479-05		02060479-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Bromomethane			Not detected	5.0	Not detected	5.0
Carbon tetrachloride			Not detected	5.0	Not detected	5.0
Chlorobenzene			Not detected	5.0	Not detected	5.0
Chloroethane			Not detected	5.0	Not detected	5.0
Chloroform			Not detected	5.0	Not detected	5.0
Chloromethane			Not detected	5.0	Not detected	5.0
cis-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Dibromochloromethane			Not detected	5.0	Not detected	5.0
Dibromomethane			Not detected	5.0	Not detected	5.0
Dichlorodifluoromethane			Not detected	5.0	Not detected	5.0
Ethylbenzene			Not detected	5.0	Not detected	5.0
Hexachlorobutadiene			Not detected	5.0	Not detected	5.0
Isopropylbenzene			Not detected	5.0	Not detected	5.0
Methylene chloride			Not detected	5.0	Not detected	5.0
Naphthalene			Not detected	5.0	Not detected	5.0
n-Butylbenzene			Not detected	5.0	Not detected	5.0
n-Propylbenzene			Not detected	5.0	Not detected	5.0
o-Xylene			Not detected	5.0	Not detected	5.0
p- & m-Xylenes			Not detected	5.0	Not detected	5.0
p-Isopropyltoluene			Not detected	5.0	Not detected	5.0
sec-Butylbenzene			Not detected	5.0	Not detected	5.0
Styrene			Not detected	5.0	Not detected	5.0
tert-Butylbenzene			Not detected	5.0	Not detected	5.0
Tetrachloroethylene			Not detected	5.0	Not detected	5.0
Toluene			Not detected	5.0	Not detected	5.0
trans-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Trichloroethylene			Not detected	5.0	Not detected	5.0
Trichlorofluoromethane			Not detected	5.0	Not detected	5.0
Vinyl chloride			Not detected	5.0	Not detected	5.0
Total Organic Carbon	SM	mg/kg	---	---	1300	250

Client Sample ID			SDA-9A	
York Sample ID			02060479-07	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
Volatiles-8260 list	SW846-8260	ug/Kg	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0
1,1,1-Trichloroethane			Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	5.0
1,1,2-Trichloroethane			Not detected	5.0
1,1-Dichloroethane			Not detected	5.0
1,1-Dichloroethylene			Not detected	5.0
1,1-Dichloropropylene			Not detected	5.0
1,2,3-Trichlorobenzene			Not detected	5.0
1,2,3-Trichloropropane			Not detected	5.0
1,2,3-Trimethylbenzene			Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0
1,2,4-Trimethylbenzene			Not detected	5.0
1,2-Dibromo-3-chloropropane			Not detected	5.0

YORK

Client Sample ID			SDA-9A	
York Sample ID			02060479-07	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
1,2-Dibromoethane			Not detected	5.0
1,2-Dichlorobenzene			Not detected	5.0
1,2-Dichloroethane			Not detected	5.0
1,2-Dichloroethylene (Total)			Not detected	5.0
1,2-Dichloropropane			Not detected	5.0
1,3,5-Trimethylbenzene			Not detected	5.0
1,3-Dichlorobenzene			Not detected	5.0
1,3-Dichloropropane			Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0
1-Chlorohexane			Not detected	5.0
2,2-Dichloropropane			Not detected	5.0
2-Chlorotoluene			Not detected	5.0
4-Chlorotoluene			Not detected	5.0
Benzene			Not detected	5.0
Bromobenzene			Not detected	5.0
Bromochloromethane			Not detected	5.0
Bromodichloromethane			Not detected	5.0
Bromoform			Not detected	5.0
Bromomethane			Not detected	5.0
Carbon tetrachloride			Not detected	5.0
Chlorobenzene			Not detected	5.0
Chloroethane			Not detected	5.0
Chloroform			Not detected	5.0
Chloromethane			Not detected	5.0
cis-1,3-Dichloropropylene			Not detected	5.0
Dibromochloromethane			Not detected	5.0
Dibromomethane			Not detected	5.0
Dichlorodifluoromethane			Not detected	5.0
Ethylbenzene			Not detected	5.0
Hexachlorobutadiene			Not detected	5.0
Isopropylbenzene			Not detected	5.0
Methylene chloride			Not detected	5.0
Naphthalene			Not detected	5.0
n-Butylbenzene			Not detected	5.0
n-Propylbenzene			Not detected	5.0
o-Xylene			Not detected	5.0
p- & m-Xylenes			Not detected	5.0
p-Isopropyltoluene			Not detected	5.0
sec-Butylbenzene			Not detected	5.0
Styrene			Not detected	5.0
tert-Butylbenzene			Not detected	5.0
Tetrachloroethylene			Not detected	5.0
Toluene			Not detected	5.0
trans-1,3-Dichloropropylene			Not detected	5.0
Trichloroethylene			Not detected	5.0
Trichlorofluoromethane			Not detected	5.0
Vinyl chloride			Not detected	5.0
Total Organic Carbon	SM	mg/kg	7100	250

Units Key: For Waters/Liquids: mg/L = ppm ; ug/L = ppb For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

YORK

Notes for York Project No. 02060479

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that the TOC analyses reported herein were subcontracted EAS Laboratories; Watertown, CT.

Approved By: _____ **Date:** 6/21/2002
Robert Q. Bradley
Managing Director

YORK

YORK
ANALYTICAL LABORATORIES, INC.
ONE RESEARCH DRIVE
STAMFORD, CT 06906
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

Company Name	Report To:	Invoice To:	Project ID/No.	Samples Collected By (Signature) / Name (Printed)
RND Services Inc	S Ryan	S. Ryan	Congers Colonial Plaza	[signature] / Sharima Ryan

Sample No.	Location/ID	Date Sampled	Sample Matrix: Water	Soil	Air	OTHER	ANALYSES REQUESTED	Container Description(s)
1 *	SDA-3A	6-14-02		X			VOA 8260 + TOC	(1) 4oz
2	SDA-3B	6-14-02		X			VOA 8260 + TOC	(1) 4oz
3 *	SDA-4A	6-14-02		X			VOA 8260	(1) 4oz
4	SDA-4B	6-14-02		X			VOA 8260	(1) 4oz
5 *	SDA-5A	6-14-02		X			VOA 8260	(1) 4oz
6	SDA-5B	6-14-02		X			VOA 8260	(1) 4oz
7 *	SDA-6A	6-17-02		X			VOA 8260 + TOC	(1) 4oz
8	SDA-6B	6-17-02		X			VOA 8260 + TOC	(1) 4oz
9 *	SDA-7A	6-17-02		X			VOA 8260	(1) 4oz
10	SDA-7B	6-17-02		X			VOA 8260	(1) 4oz

Chain-of-Custody Record

Bottles Relinquished from Lab by	Date/Time	Sample Relinquished by	Date/Time	Sample Received by	Date/Time
		[signature]	6/18/02 1240	Wayne	6/18 1240

Bottles Received in Field by	Date/Time	Sample Relinquished by	Date/Time	Sample Received in LAB by	Date/Time
				[signature]	6-18-02/1330

Comments/Special Instructions
Run all * Samples first (i.e. Samples "A") hold all "B" Samples

Turn-Around Time
Standard X RUSH(define) 72 Hr

YORK
ANALYTICAL LABORATORIES, INC.
ONE RESEARCH DRIVE
STAMFORD, CT 06906
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

Company Name	Report To:	Invoice To:	Project ID/No.	Samples Collected By (Signature) / Name (Printed)
RND Services Inc	S. Ryan	S. Ryan	Conyers Colonial Plaza	S. Ryan / Sharima Ryan

Sample No.	Location/ID	Date Sampled	Sample Matrix: Water	Soil	Air	OTHER	ANALYSES REQUESTED	Container Description(s)
11 *	SDA 8A	6-17-02		X			VOA 8260 + TOC	(1) 4oz
~~12~~	~~SDA 8B~~	~~6-17-02~~		~~X~~			~~VOA 8260 + TOC~~ (SR)	~~(1) 4oz~~
13 *	SDA 9A	6-17-02		X			VOA 8260 + TOC	(1) 4oz
14	SPA 9B	6-17-02		X			VOA 8260 + TOC	(1) 4oz

Chain-of-Custody Record

Bottles Relinquished from Lab by	Date/Time	S. Ryan	6/18/02 1240	Wayne	6/18 1240
Bottles Received in Field by	Date/Time	Sample Relinquished by	Date/Time	J. Le	6-18-02/1330
		Sample Relinquished by	Date/Time	Sample Received in LAB by	Date/Time

Comments/Special Instructions
Run all * Samples first (i.e. Samples 'A') hold all "B" Samples

Turn-Around Time
Standard X RUSH(define) 72 Hr

APPENDIX E
WELL LOGS

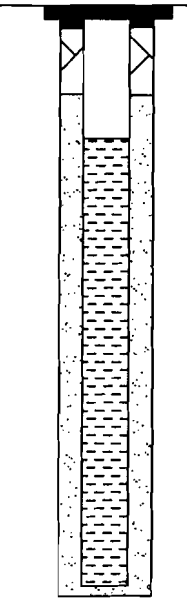
RND Services Inc.

WELL LOG: MW-04

Location: Congers Colonial Plaza	Boring Depth: 13.6'	Diameter:
Drilling Method: Hollow Stem Auger	Casing - Length: 3.6'	Diameter: 2"
Sampling Method: Split Spoon	Screen - Length: 10'	Diameter: 2"
Static Water Level: 7'	Well -Depth: 13.6'	

Depth	Sample ID	Sample Depth	Recovery	PID	Graphic Log	Geologic Description
		1-3	18"	1425		6" blacktop and gravel base coarse sand, gray, moist
		3-5	18"	342		brown coarse sandy loam, dry
5		5-7	22"	13.7		brown coarse sandy loam, dry
		7-9	18"	2.9		brown, coarse sandy loam, wet, groundwater at 7'
10		9-11	0			description not logged, no recovery
		11-13	8"	3.2		brown, medium to coarse sandy loam, wet
15						EOB at 13'6"
20						
25						
30						

Well Diagram



Bentonite Seal
Sand Pack
Well Screen
Concrete Collar

Geologist: S. Ryan

Driller: Kendrick Well Drillers, Inc.

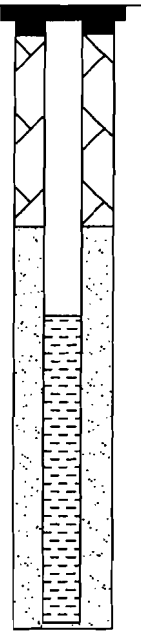
RND Services Inc.

WELL LOG: MW-05

Location: Congers Colonial Plaza	Boring Depth: 14'	Diameter:
Drilling Method: Hollow Stem Auger	Casing - Length: 7'	Diameter: 2"
Sampling Method: Split Spoon	Screen - Length: 7'	Diameter: 2"
Static Water Level: 7'	Well -Depth: 14.0'	

Depth	Sample ID	Sample Depth	Blws/in. Recovery	PID	Graphic Log	Geologic Description
		0-2	18/2 8"	3.9		dry, brown top soil
			6/2 8"	0		dark brown, slightly moist silty loam
5			10"	0		dark brown to gray, slightly moist
			12"	0		clay content increasing, brown coarse sandy loam wet at 7.5'
			18"	0		brown coarse sandy loam, tight
10			0			no description logged, no recovery
			20"	0		very wet, coarse sand
15						EOB at 14'
20						
25						
30						

Well Diagram



Bentonite Seal
Sand Pack
Well Screen
Concrete Collar

Geologist: S. Ryan

Driller: Kendrick Well Drillers, Inc.

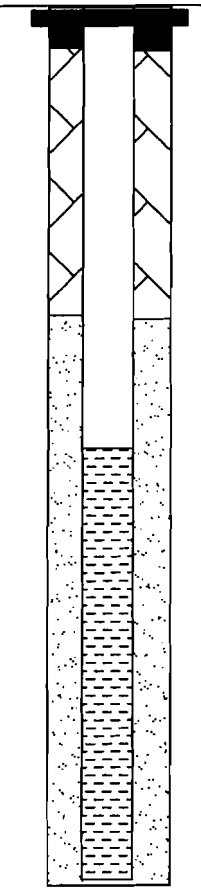
RND Services Inc.

WELL LOG: MW-06

Location: Congers Colonial Plaza	Boring Depth: 20'	Diameter:
Drilling Method: Hollow Stem Auger	Casing - Length: 10'	Diameter: 2"
Sampling Method: Split Spoon	Screen - Length: 10'	Diameter: 2"
Static Water Level: 7'	Well -Depth: 10'	

Depth	Sample ID	Sample Depth	Blow/in. Recovery	PID	Graphic Log	Geologic Description
		1-3	87/2' 18"	0		12" blacktop and gravel base gray coarse sand
		3-5	10"	0		gray coarse sand, dry
5		5-7	13"			tight, red-brown coarse sandy loam, dry
		7-9	17"			red-brown, coarse sandy loam, moist
10		9-11	2"			red-brown, coarse sandy loam, moist
		11-13	3"	3.2		red-brown, coarse sandy loam, moist
		13-15	24"			red-brown, coarse sandy loam, moist
15		15-17				red-brown, coarse sandy loam, moist
20						EOB at 20', overdrilled
25						
30						

Well Diagram



Bentonite Seal
Sand Pack
Well Screen
Concrete Collar

Geologist: S. Ryan

Driller: Kendrick Well Drillers, Inc.

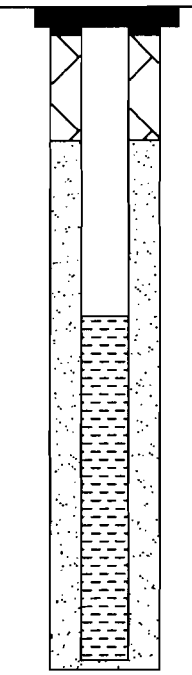
RND Services Inc.

WELL LOG: MW-07

Location: Congers Colonial Plaza	Boring Depth: 15'	Diameter:
Drilling Method: Hollow Stem Auger	Casing - Length: 7'	Diameter: 2"
Sampling Method: Split Spoon	Screen - Length: 8'	Diameter: 2"
Static Water Level: 7'	Well -Depth: 15'	

Depth	Sample ID	Sample Depth	Recovery	PID	Graphic Log	Geologic Description
		1-3	~~18"~~ 12"	~~1425~~ 0		6" blacktop and gravel base coarse sand and gravel
		3-5	18" 10"	~~342~~ 0		black-gray coarse sandy loam, dry
5		5-7	~~22"~~	~~13.7~~ 0		no sample, hole collapsed, inserted steel casing
		7-9	~~18"~~	~~2.9~~ 0		no sample, hole collapsed, inserted steel casing
10		9-11	0 4"	0		brown, coarse sandy loam, wet
		11-13	~~8"~~ 24"	~~3.2~~		red-brown coarse sandy loam
15						EOB at 15', overdrilled
20						
25						
30						

Well Diagram



Bentonite Seal
Sand Pack
Well Screen
Concrete Collar

Geologist: S. Ryan

Driller: Kendrick Well Drillers, Inc.

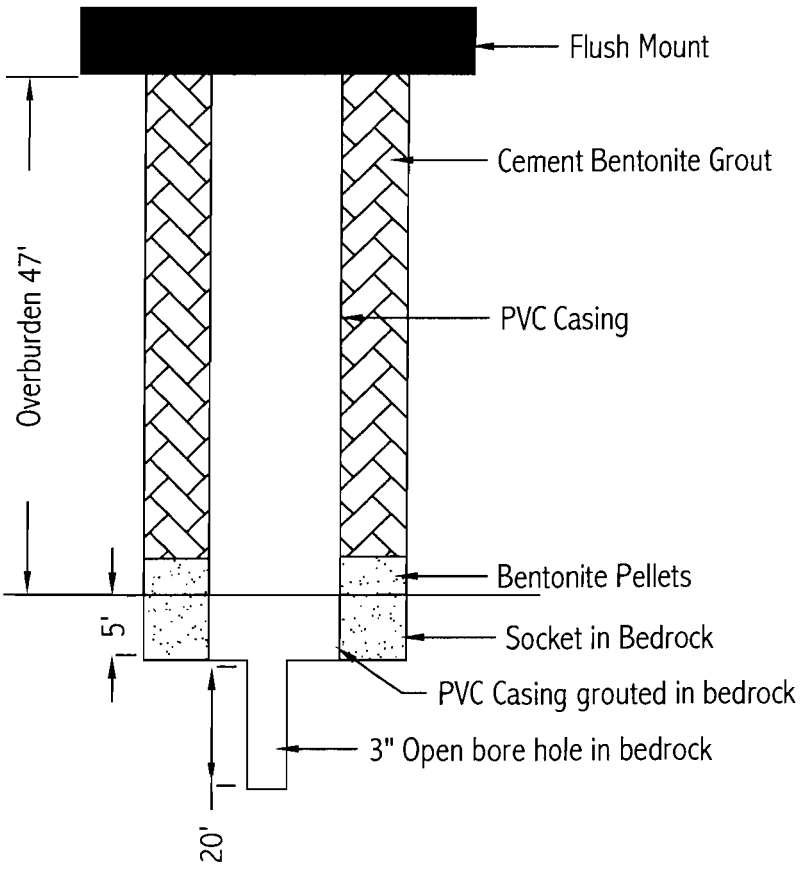
RND Services Inc.

WELL LOG: MW-3B

Location: Congers Colonial Plaza	Boring Depth: 52'	Diameter: 8"
Drilling Method: Odex	Casing - Length: 52'	Diameter: 4"
Sampling Method:	Core - Length: 20'	Diameter: 3"
Static Water Level:	Well -Depth: 72'	

Depth	Sample ID	Sample Depth	Description
			0-47 feet overburden
			42 -46 feet weathered bedrock
			Casing installed 5" into bedrock from 47' to 52'
			47 -72 feet bedrock
			EOB at 72'

Well Diagram



Geologist: S. Ryan

Driller: CT&E Environmental Services Inc.

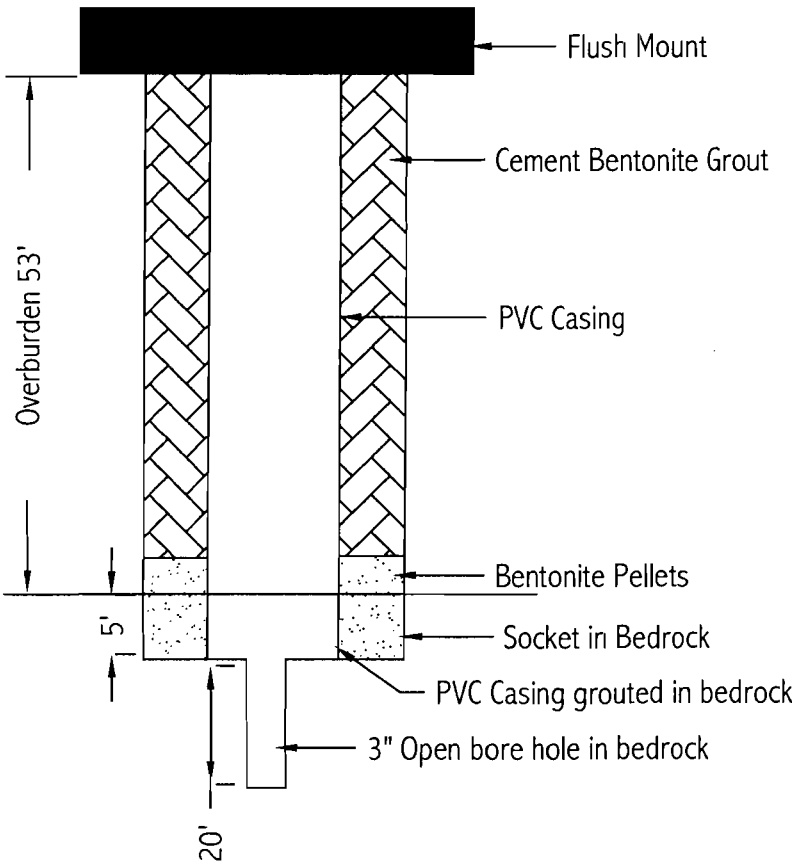
RND Services Inc.

WELL LOG: MW-6B

Location: Congers Colonial Plaza	Boring Depth: 58'	Diameter: 8"
Drilling Method: Odex	Casing - Length: 58'	Diameter: 4"
Sampling Method:	Core - Length: 20'	Diameter: 3"
Static Water Level:	Well -Depth: 78'	

Depth	Sample ID	Sample Depth	Description
			0-53 feet overburden
			Casing installed 5' into bedrock from 53' to 58'
			53 -78' bedrock
			EOB at 78'

Well Diagram



Geologist: S. Ryan

Driller: CT&E Environmental Services Inc.

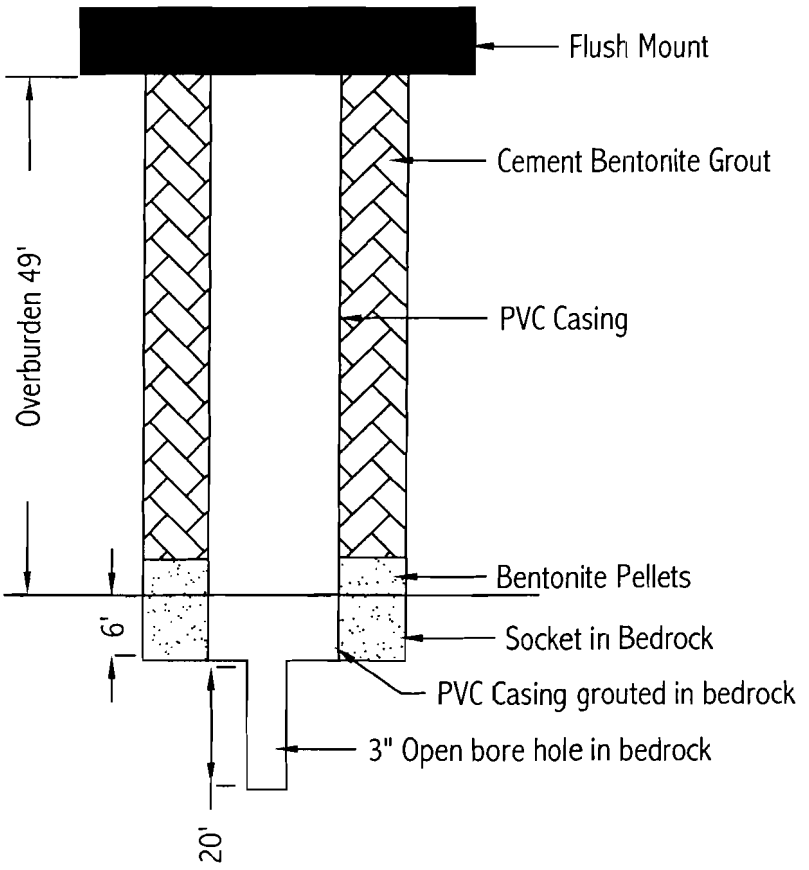
RND Services Inc.

WELL LOG: MW-7B

Location: Congers Colonial Plaza	Boring Depth: 58'	Diameter: 8"
Drilling Method: Odex	Casing - Length: 58'	Diameter: 4"
Sampling Method:	Core - Length: 17'	Diameter: 3"
Static Water Level:	Well -Depth: 75'	

Depth	Sample ID	Sample Depth	Description
			0-49 feet overburden
			Casing installed 6' into bedrock from 49' to 55'
			49 -75' bedrock
			EOB at 75'

Well Diagram



Geologist: S. Ryan

Driller: CT&E Environmental Services Inc.

APPENDIX F
STANDARD OPERATING PROCEDURES FOR FIELD SAMPLING

RND SERVICES INC.
STANDARD OPERATING PROCEDURES FOR FIELD SAMPLING

SOP# - ENV03

1.0 DECONTAMINATION PROCEDURE FOR SAMPLING EQUIPMENT

The soil sampling equipment and any trowels or other collection tools will be field decontaminated using the following procedures:

- Tap water rinse/scrub
- Scrub with detergent solution
- Tap water rinse
- 10% nitric acid solution rinse
- tap water rinse
- isopropanol rinse
- distilled water rinse
- air dry

Note: All liquids and sediments generated during the decontamination procedure will be contained for proper disposal.

2.0 PERSONAL PROTECTIVE EQUIPMENT

Personal protective equipment requirements will be determined on site by the RND supervisor in accordance with the project Health and Safety Plan. Sampling personnel will be at a minimum, required to wear Level D personal protective equipment. In addition, samplers will be required to wear latex surgical gloves during sampling. The latex surgical gloves worn by the sampler will be discarded between the collection of each sample to minimize the possibility of cross contaminating the sample.

3.0 DUPLICATES AND BLANKS

One trip blank will accompany each set of samples sent to the laboratory for analysis, or, one trip blank will accompany each 20 samples, whichever is greater. Trip blanks will be prepared by the laboratory and packed in the sample cooler prior to sample collection. The trip blanks will be kept on ice while on-site. Trip blanks will be handled and transported in the same manner as the sample set, except the trip blanks will not be opened in the field. They will be analyzed for volatile organic compounds.

4.0 EQUIPMENT BLANKS

Equipment blanks (used to identify possible sources of contamination attributable to the effectiveness of the field decontamination procedure) will be collected each day samples are collected for laboratory analysis. These blanks will consist of deonized water (provided by the laboratory), which will be pored over or through decontaminated equipment into laboratory decontaminated containers.

5.0 DUPLICATES

One (1) duplicate sample will be collected for each twenty (20) samples collected of each type. The duplicate sample will be collected handled and transported in the same manner as the sample set. The duplicate sample will be analyzed for volatile organic compounds.

60. FIELD LOG BOOK RECORD

The information collected during field sampling will be recorded by RND personnel in a bound book with consecutively numbered pages. Data to be included in the field logbook will include the following:

1) Date and time of the beginning of each day's field activities
2) Name of facility
3) Name of field sampler
4) Type of sampling being performed
5) Date and time of each sample collection, with sample numbers
6) Location of each sampling point
7) Weather conditions
8) Air monitoring readings
9) Sampling equipment used for sample collection
10) Description of soil sample: color, odor, approximate % clay, sand etc.
11) Decontamination procedure for sampling equipment

7.0 SAMPLE LABELS

A label will be attached to each sample collection bottle. The label will contain the following information:

- Facility name or project number
- Sample number
- Collector's name
- Date and time of collection
- Sample location

Sample bottles will be supplied by the laboratory. The samples will be filled out at the time the sample is collected.

8.0 SAMPLE DOCUMENTATION

Each sample will be given a unique identification number based in its location on the site and the order in which it was collected.

8.1 Chain of Custody Record

The chain of custody procedure is intended to insure the integrity of the sample between the time of collection and the receipt by the laboratory. It also provided documentation to the laboratory on the handling of the sample and the dates of collection and delivery. A separate chain of custody sheet will be completed for each sampling (including duplicates and blanks). The sheet will list the name of the collector, the signature of the person relinquishing the samples to the laboratory representative and the name and signature of the laboratory representative to whom it was relinquished. It will also list the sample number, sample type, data and time the sample was collected, number of sample containers, preservatives used, and the analysis required for each sample.

8.2 Delivery of Samples to the Laboratory

All samples will be delivered to the laboratory by courier. All samples will be delivered within 48 hours of collection. RND will make every effort to ensure that samples are not collected on a Friday. However, in the event that samples are collected on a Friday, arrangements will be made for same day sample pick-up.

9.0 SAMPLE CONTAINERS AND PRESERVATIVES

The following requirements for sampling containers, preservatives and holding times will be adhered to during sampling:

Analysis – Soil/Sediment	Volume	Container	Preservation	Holding Time
Volatile Organic Compounds	4 oz.	Glass	Cool, 4°	14 days
Total Organic Carbon	4 oz.	Amber wide mouth	Cool, 4°	Analyze ASAP
Analysis – Water				
Volatile Organic Compounds	(3) 40 ml	Glass vial/Teflon lid	HCL/4°	14 days
Analysis – Air				
Volatile Organic Compounds		Tedlar Bag	None	

10 SAMPLING METHODS

The following requirements for sampling parameters and sampling methodology will be adhered to during the analysis of the samples collected for laboratory analysis.

10.1 Groundwater Sample Collection

Prior to sample collection, the water level elevation will be measured from a permanently marked point at the top of the PVC riser of the well and the depth to bottom of the well will be determined using an oil/water interface probe. If any separate phase product is detected it will be recorded. Prior to sampling, the well will be purged of three casing volumes of water using a submersible pump set at 1' off the bottom of the well. Purging will clear the well of stagnant water. A sample of the first water will be collected directly from the Teflon tubing. The wells will be purged until temperature, pH, turbidity and specific conductance stabilize. After the well has been purged a second sample will be obtained using a clean disposable bailer. All samples will be placed in laboratory-supplied containers. Immediately following collection, the samples were placed on ice and delivered under chain of custody to York Analytical Laboratory for analysis.

10.2 Soil and Sediment Sample Collection

Soil samples during monitor well installation will be collected from the 2' length stainless steel spoon using clean spatulas/trowels and placed in laboratory-supplied containers. Sediment samples collected from beneath the West storm drain will be discreet samples at 2' intervals collected with a sludge getter or other similar type equipment appropriate for the task. All equipment will be decontaminated (as outlined in decontamination procedure section of this document) prior to proceeding to the next sample collection point. All samples will be placed in laboratory-supplied containers. Immediately following collection, the samples were placed on ice and delivered under chain of custody to York Analytical Laboratory for analysis.

RND SERVICES INC.
STANDARD OPERATING PROCEDURES FOR FIELD SAMPLING

SOP# - ENV03

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- Tap water rinse/scrub
- Scrub with detergent solution
- Tap water rinse
- 10% nitric acid solution rinse
- tap water rinse
- isopropanol rinse
- distilled water rinse
- air dry

Note: All liquids and sediments generated during the decontamination procedure will be contained for proper disposal.

2.0 PERSONAL PROTECTIVE EQUIPMENT

Personal protective equipment requirements will be determined on site by the RND supervisor in accordance with the project Health and Safety Plan. Sampling personnel will be at a minimum, required to wear Level D personal protective equipment. In addition, samplers will be required to wear latex surgical gloves during sampling. The latex surgical gloves worn by the sampler will be discarded between the collection of each sample to minimize the possibility of cross contaminating the sample.

3.0 DUPLICATES AND BLANKS

One trip blank will accompany each set of samples sent to the laboratory for analysis, or, one trip blank will accompany each 20 samples, whichever is greater. Trip blanks will be prepared by the laboratory and packed in the sample cooler prior to sample collection. The trip blanks will be kept on ice while on-site. Trip blanks will be handled and transported in the same manner as the sample set, except the trip blanks will not be opened in the field. They will be analyzed for volatile organic compounds.

4.0 EQUIPMENT BLANKS

Equipment blanks (used to identify possible sources of contamination attributable to the effectiveness of the field decontamination procedure) will be collected each day samples are collected for laboratory analysis. These blanks will consist of deonized water (provided by the laboratory), which will be pored over or through decontaminated equipment into laboratory decontaminated containers.

5.0 DUPLICATES

One (1) duplicate sample will be collected for each twenty (20) samples collected of each type. The duplicate sample will be collected handled and transported in the same manner as the sample set. The duplicate sample will be analyzed for volatile organic compounds.

60. FIELD LOG BOOK RECORD

The information collected during field sampling will be recorded by RND personnel in a bound book with consecutively numbered pages. Data to be included in the field logbook will include the following:

1) Date and time of the beginning of each day's field activities
2) Name of facility
3) Name of field sampler
4) Type of sampling being performed
5) Date and time of each sample collection, with sample numbers
6) Location of each sampling point
7) Weather conditions
8) Air monitoring readings
9) Sampling equipment used for sample collection
10) Description of soil sample: color, odor, approximate % clay, sand etc.
11) Decontamination procedure for sampling equipment

7.0 SAMPLE LABELS

A label will be attached to each sample collection bottle. The label will contain the following information:

- Facility name or project number
- Sample number
- Collector's name
- Date and time of collection
- Sample location

Sample bottles will be supplied by the laboratory. The samples will be filled out at the time the sample is collected.

8.0 SAMPLE DOCUMENTATION

Each sample will be given a unique identification number based in its location on the site and the order in which it was collected.

8.1 Chain of Custody Record

The chain of custody procedure is intended to insure the integrity of the sample between the time of collection and the receipt by the laboratory. It also provided documentation to the laboratory on the handling of the sample and the dates of collection and delivery. A separate chain of custody sheet will be completed for each sampling (including duplicates and blanks). The sheet will list the name of the collector, the signature of the person relinquishing the samples to the laboratory representative and the name and signature of the laboratory representative to whom it was relinquished. It will also list the sample number, sample type, data and time the sample was collected, number of sample containers, preservatives used, and the analysis required for each sample.

8.2 Delivery of Samples to the Laboratory

All samples will be delivered to the laboratory by courier. All samples will be delivered within 48 hours of collection. RND will make every effort to ensure that samples are not collected on a Friday. However, in the event that samples are collected on a Friday, arrangements will be made for same day sample pick-up.

9.0 SAMPLE CONTAINERS AND PRESERVATIVES

The following requirements for sampling containers, preservatives and holding times will be adhered to during sampling:

Analysis – Soil/Sediment	Volume	Container	Preservation	Holding Time
Volatile Organic Compounds	4 oz.	Glass	Cool, 4°	14 days
Total Organic Carbon	4 oz.	Amber wide mouth	Cool, 4°	Analyze ASAP
Analysis – Water				
Volatile Organic Compounds	(3) 40 ml	Glass vial/Teflon lid	HCL/4°	14 days
Analysis – Air				
Volatile Organic Compounds		Tedlar Bag	None	

10 SAMPLING METHODS

The following requirements for sampling parameters and sampling methodology will be adhered to during the analysis of the samples collected for laboratory analysis.

10.1 Groundwater Sample Collection

Prior to sample collection, the water level elevation will be measured from a permanently marked point at the top of the PVC riser of the well and the depth to bottom of the well will be determined using an oil/water interface probe. If any separate phase product is detected it will be recorded. Prior to sampling, the well will be purged of three casing volumes of water using a submersible pump set at 1' off the bottom of the well. Purging will clear the well of stagnant water. A sample of the first water will be collected directly from the Teflon tubing. The wells will be purged until temperature, pH, turbidity and specific conductance stabilize. After the well has been purged a second sample will be obtained using a clean disposable bailer. All samples will be placed in laboratory-supplied containers. Immediately following collection, the samples were placed on ice and delivered under chain of custody to York Analytical Laboratory for analysis.

10.2 Soil and Sediment Sample Collection

Soil samples during monitor well installation will be collected from the 2' length stainless steel spoon using clean spatulas/trowels and placed in laboratory-supplied containers. Sediment samples collected from beneath the West storm drain will be discreet samples at 2' intervals collected with a sludge getter or other similar type equipment appropriate for the task. All equipment will be decontaminated (as outlined in decontamination procedure section of this document) prior to proceeding to the next sample collection point. All samples will be placed in laboratory-supplied containers. Immediately following collection, the samples were placed on ice and delivered under chain of custody to York Analytical Laboratory for analysis.

10.3 VES Effluent Sampling

Air samples will be collected from each effluent of the vapor extraction systems. The effluent port for VES-1 is located inside the building in the basement. The effluent port for VES-2 is located outside the western side of the building. Samples will be collected by directly filling a Tedlar bag from the port. Samples will fill the bag by the difference in pressure gradient between the bag and the exhaust. Upon full expansion of the bag, the valve will be sealed off and the sample will then be labeled and delivered under chain of custody to York Analytical Laboratory for analysis.

APPENDIX G
WELL DEVELOPMENT DATA

Monitor and Bail Record
(Field Parameters)

RND
Services Inc

Date 7/9/02 Initials SR

Location Colonial Plaza S.M.
285 Route 303
Congers, NY Analyses

P.M. Submersible Pump

Well No. MW-4	Time Interval (mins.)												
	start	10	20	30	40								
Temp.	30.2	31.63	30.82	30.91	30.07								
pH	6.31	6.22	6.04	5.99	5.95								
Conductivity (ms/cm)	0.011	0.011	0.011	0.016	0.013								
Turbidity (NTU)	5	2.92	1.88	1.8	2.12								

Notes:

Data pertaining to well development for well installed on 7/2/02.

Monitor and Bail Record
(Field Parameters)

RND
Services Inc

Date 7/9/02 Initials SR

Location Colonial Plaza S.M. _____
285 Route 303
Congers, NY Analyses _____

P.M. Submersible Pump

Well No. MW-5	Time Interval (mins.)												
	start	10	20	30	40								
Temp.	32.05	28.51	27.25	27.23	27.45								
pH	6.22	7.53	7.16	6.94	6.87								
Conductivity (ms/cm)	0.011	0.004	0.003	0.004	0.004								
Turbidity (NTU)	22.5	45.1	52	59.6	59.1								

Notes:

Data pertaining to well development for well installed on 7/2/02.

Monitor and Bail Record
(Field Parameters)

RND
Services Inc

Date 7/9/02 Initials SR

Location Colonial Plaza S.M.
285 Route 303
Congers, NY Analyses

P.M. Submersible Pump

Well No. MW-6	Time Interval (mins.)												
	start	10	20	30	40								
Temp.													
pH													
Conductivity (ms/cm)													
Turbidity (NTU)													

Notes:

Technical error - no data was recorded.

Monitor and Bail Record
(Field Parameters)

RND
Services Inc

Date 7/9/02 Initials SR

Location Colonial Plaza S.M.
285 Route 303
Congers, NY Analyses

P.M. Submersible Pump

Well No. MW-7	Time Interval (mins.)												
	start	10	20	30	40								
Temp.	32.7	29.75	28.52	27.4	27.41								
pH	6.07	6.93	6.92	6.82	6.78								
Conductivity (ms/cm)	0.011	0.009		0.008	0.008								
Turbidity (NTU)	12.6	55.1	45.4	31.7	32.5								

Notes:

Data pertaining to well development for well installed on 7/3/02.

Monitor and Bail Record

RND
Services Inc

Date 9/12/02

Location Colonial Plaza
285 Route 303
Congers, NY

Initials SR

Sample Method

Analyses VOA 8260

Purge Method Submersible Pump

Location	PID Reading (ppm)	Depth of Well (ft.)	Depth to Product (ft.)	Depth to Water (ft.)	Begin Purge Time	End Purge Time	Purge Rate (gal/min.)	Volume of Water Purged (gals.)	Sample Time
MW-01	0	16.8		9.3	1248	1303		4.5	1315
MW-02	0	17.8		10	1348	1358			1410
MW-03	0.7	8.15		8	1444	1506		14.52	1510
MW-04	7.83	13.95		8.1	1540	1546			1558
MW-05	29.5	12.4		10.6					
MW-06	31	19.8		14.5	1041	1050			
MW-07	22.4	15		9.85	1236	1245			1312

Notes:

Ref:c//PF/Colonial Plaza/M B Record Sample091202

Monitor and Bail Record
(Field Parameters)

RND Services Inc

Date 9/12/02 Initials SR

Location Colonial Plaza S.M. _____
285 Route 303
Congers, NY Analyses _____

P.M. Submersible Pump

Well No. MW-1	Time Interval (mins.)												
	start	5	5	5									
Temp.	18.78	17.55	17.9										
pH	5.01	5.73	5.79										
Conductivity (ms/cm)	0.75	0.77	0.78										
Turbidity (NTU)	700	718	960	dry									

Notes:

Data pertaining to well sampling on 9/12/02.

Ref:c//PF/Colonial Plaza/M B Record MW1

Monitor and Bail Record
(Field Parameters)

RND
Services Inc

Date 9/12/02 Initials SR

Location Colonial Plaza S.M. _____
285 Route 303
Congers, NY Analyses _____

P.M. Submersible Pump

Well No. MW-2	Time Interval (mins.)												
	start	5	2	2	2	2	2						
Temp.	17.39	16.96	16.96	17.23	17.49	17.79	17.9						
pH	6.54	6.38	6.37	6.34	6.35	6.35	6.35						
Conductivity (ms/cm)	0.756	0.746	0.744	0.74	0.74	0.74	0.74						
Turbidity (NTU)	1920	75.3	56.2		25.6	27	26						

Notes:

Data pertaining to well sampling on 9/12/02.

Ref:c//PF/Colonial Plaza/M B Record MW2

Monitor and Bail Record
(Field Parameters)

RND
Services Inc

Date 9/12/02 Initials SR

Location Colonial Plaza S.M. _____
285 Route 303
Congers, NY Analyses _____

P.M. Submersible Pump

Well No. MW-3	Time Interval (mins.)												
	start	5	5	5	5	1	1						
Temp.	19.59	19.87	20.94	21.39	21.4	21.4	21.4						
pH	6.51	6.29	6.31	6.34	6.36	6.4	6.4						
Conductivity (ms/cm)	1.089	1.22	1.12	1.11	1.14	1.15	1.16						
Turbidity (NTU)	68.9	90.4	27.2	10.9	18.2	19	19						

Notes:

Data pertaining to well sampling on 9/12/02.

Ref:c//PF/Colonial Plaza/M B Record MW3

Monitor and Bail Record
(Field Parameters)

RND
Services Inc

Date 9/12/02 Initials SR

Location Colonial Plaza S.M.
285 Route 303
Congers, NY Analyses

P.M. Submersible Pump

Well No. MW-4	Time Interval (mins.)												
	start	1	1	1	1	2							
Temp.	23.16	23.66	24.47	24.5	24.6	24.3							
pH	6.17	6.31	6.37	6.35	6.33	6.4							
Conductivity (ms/cm)	0.966	0.95	0.98	0.96	0.97								
Turbidity (NTU)	63.3	76.1	94	71	84	dry							

Notes:

Data pertaining to well sampling on 9/12/02.

Ref:c//PF/Colonial Plaza/M B Record MW4

Monitor and Bail Record
(Field Parameters)

RND
Services Inc

Date 9/12/02 Initials SR

Location Colonial Plaza S.M. _____
285 Route 303
Congers, NY Analyses _____

P.M. Submersible Pump

Well No. MW-5	Time Interval (mins.)												
	start												
Temp.	23.46												
pH	7.3												
Conductivity (ms/cm)	0.009												
Turbidity (NTU)	1959												

Notes:

Error in recording data.

Ref:c//PF/Colonial Plaza/M B Record MW5

Monitor and Bail Record
(Field Parameters)

RND
Services Inc

Date 9/12/02 Initials SR

Location Colonial Plaza S.M.
285 Route 303
Congers, NY Analyses

P.M. Submersible Pump

Well No. MW-6	Time Interval (mins.)												
	start	1	1	1	1	1	1	1	1	1			
Temp.	20.31	20.54	20.8	21.06	20.8	20.8	21.1	21.3	21.7				
pH	5.09	5.64	5.9	6.11	6.17	6.18	6.2	6.2	6.2				
Conductivity (ms/cm)	2.82	2.81	2.79	2.79	2.76	2.76	2.7	2.7	2.7				
Turbidity (NTU)	12.6	9.5	7.7	5.8	5.8	4.4	5.2	5.1	5.1	dry			

Notes:

Data pertaining to sampling on 9/12/02.

Ref:c//PF/Colonial Plaza/M B Record MW6

Monitor and Bail Record
(Field Parameters)

RND
Services Inc

Date 9/12/02 Initials SR

Location Colonial Plaza S.M.
285 Route 303
Congers, NY Analyses

P.M. Submersible Pump

Well No. MW-7	Time Interval (mins.)												
	start	0.5	0.5	0.5	0.5	0.5	1	5	5				
Temp.	21.06	21.04	21.33	21.59	21.89	22.15	22.54	22.6					
pH	6.52	6.55	6.58	6.59	6.6	6.62	6.6	6.6					
Conductivity (ms/cm)	2.061	1.89	1.79	1.74	1.72	1.71	1.7	1.7					
Turbidity (NTU)	14.1	14.1	2.6	2.8	2.1	2.7	2	1.5	dry				

Notes:

Data pertaining to sampling on 9/12/02.

Ref:c//PF/Colonial Plaza/M B Record MW7

Monitor and Bail Record

RND
Services Inc

Date 1/24/03

Location Colonial Plaza
285 Route 303
Congers, NY

Initials SR

Sample Method

Analyses VOA 8260

Purge Method Submersible Pump

Location	PID Reading (ppm)	Depth of Well (ft.)	Depth to Product (ft.)	Depth to Water (ft.)	Begin Purge Time	End Purge Time	Purge Rate (gal/min.)	Volume of Water Purged (gals.)	Sample Time
MW-3B		54*		15.3	1437	1455		10	1500
MW-6B		76		17.5	1545	1610			1611
MW-7B		78		11.5	1300	1337		10	1342

Notes:

Data from bedrock wells.

* Depth of well after installation measured 72'.

Ref:c//PF/Colonial Plaza/M B Record Sample012403

Monitor and Bail Record
(Field Parameters)

RND
Services Inc

Date 1/24/03 Initials SR

Location Colonial Plaza S.M. _____
285 Route 303
Congers, NY Analyses _____

P.M. Submersible Pump

Well No. MW-3B	Time Interval (mins.)												
	start	3	5	5	5	5	5						
Temp.	13.33	13.5	13.74	14.06	14.03	13.9	13.42						
pH	10.9	10.7	10.7	10.7	10.6	10.5	10.4						
Conductivity (ms/cm)	2.07	2.11	2.08	2.16	2.07	1.5	1.4						
Turbidity (NTU)	128.6	112	124	74	123	166	115						

Notes:

Data pertaining to sampling.

Ref:c//PF/Colonial Plaza/M B Record MW3B

Monitor and Bail Record
(Field Parameters)

RND
Services Inc

Date 1/24/03 Initials SR

Location Colonial Plaza S.M.
285 Route 303
Congers, NY Analyses

P.M. Submersible Pump

Well No. MW-6B	Time Interval (mins.)												
	start	2	2	2	2	2	2	2	2	2	2	5	2
Temp.	14.5	14.4	14.4	14.6	14.75	14.45	14.48	14.59	15.1	15.1	15	14.9	14.9
pH	7.02	7.16	7.26	7.3	7.4	7.4	7.4	7.4	7.4	7.5	7.5	7.5	7.6
Conductivity (ms/cm)	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.23	0.23
Turbidity (NTU)	782	782	907	1296	1296	1295	1295	1295	1297	1296	948	198	175

Notes:

Data pertaining to sampling.

Ref:c//PF/Colonial Plaza/M B Record MW6B

Monitor and Bail Record
(Field Parameters)

RND
Services Inc

Date 1/24/03 Initials SR

Location Colonial Plaza S.M.
285 Route 303
Congers, NY Analyses

P.M. Submersible Pump

Well No. MW-7B	Time Interval (mins.)												
	start	5	5	5	5	5							
Temp.	12.2	12.6	12.8	12.3	12.7	12.4							
pH	9.6	9.6	9.6	9.6	9.6	9.6							
Conductivity (ms/cm)	0.23	0.23	0.23	0.23	0.22	0.22							
Turbidity (NTU)	126	104	67	67	60	63							

Notes:

Data pertaining to sampling.

Ref:c//PF/Colonial Plaza/M B Record MW7B