

# **FORMER QUICK AND CLEAN CLEANERS**

**Site # 130198**

**INTERIM REMEDIAL MEASURE**

**CONSTRUCTION COMPLETION**

**REPORT  
(IRM CCR)  
FINAL**

**PREPARED FOR:**

**380 ROCKAWAY TURNPIKE REALTY CORPORATION**

**36 LAWRENCE AVENUE**

**LAWRENCE, NEW YORK 11559**

**NEW YORK STATE DEPARTMENT OF  
ENVIRONMENTAL CONSERVATION**



**PREPARED BY:**

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**August 2016**

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**CERTIFICATION**

DER-10 Section 1.5 (b)3

I, John V. Soderberg, P.E., certify that I am currently a NYS registered professional engineer, I had primary direct responsibility for the implementation of the subject construction program, and I certify that the Interim Remedial Measure was implemented and that all construction activities were completed in substantial conformance with the Department's approved Interim Remedial Measure.

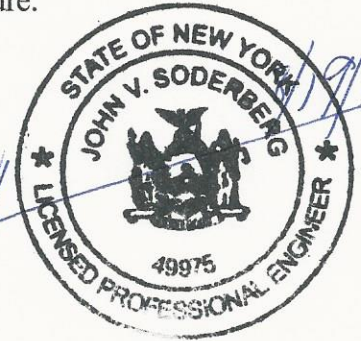
John V. Soderberg P.E

Signature: \_\_\_\_\_

License number: 049975

Date: August 19<sup>th</sup>, 2016

Seal: \_\_\_\_\_



## **1.0 INTRODUCTION**

The following document is a Construction Completion Report (CCR) prepared by John V. Soderberg (JVS) P.E on behalf of 380 Rockaway Turnpike Corporation located at 380 Rockaway Turnpike, Cedarhurst, Nassau County, New York. The purpose of this CCR is to discuss the remedial actions completed to address sub-slab vapors beneath the building via the installation of an active mitigation system.

This CCR will discuss the remedial actions completed to address sub-slab vapors beneath the building's slab on grade foundation. An Engineering control (E.C) was implemented for the purpose of removing sub-slab vapors via active sub-slab depressurization.

### **1.1 Site Location and Description**

The address for the subject property is 380 Rockaway Turnpike, Cedarhurst, NY. The subject property is designated as Section 39, Block 344, Lots 216 and 220 by the Nassau County Department of Assessment. The subject property is located within the Incorporated Village of Cedarhurst, Town of Hempstead, Nassau County, NY as shown in Figure-1. The lot has 123 feet of frontage on Rockaway Turnpike and is approximately 100 feet deep for a combined area of 0.318 acres (13,853 ft<sup>2</sup>). Figure-2.

The subject site is developed with a 3,984ft<sup>2</sup> 1-story masonry building, built in 1962 for commercial (retail) use. Based on current zoning and the location of the property, it is likely to remain in commercial-retail use.

The elevation of the property ranges from approximately 10 to 13 feet above National Geodetic Vertical Datum (NGVD). The topography in the vicinity of the site generally slopes from southeast to northwest. The depth to groundwater beneath the site, as determined from field measurements, is between 5.0' and 10.0' feet below grade surface (bgs). Groundwater flow has been reported as ranging from north to southwest at the adjacent property to the north (former Cumberland Farms Service Station). Despite this wide range of anticipated flow the actual direction of groundwater flow is presumably to the west northwest (>270 degrees). This notion is based upon previously conducted investigation data indicating elevated contamination found northwest of the Site and/or source area. A groundwater flow survey has been conducted as part of the RIWP at the subject property and all indications lead to a west northwest flow direction.

The area surrounding the Site consists of retail "strip stores" and service stations along the east side of Rockaway Turnpike with single-family residential homes located adjacent to the east. Adjacent properties to the north include a former Cumberland Farms Service Station (CFSS) and an active Shell station. Adjacent properties to the south include a Sunoco, Getty and Gulf service stations. In total the subject property is flanked north and south by four (4) active and one (1) former service station. The west side of Rockaway Turnpike is characterized by larger shopping centers with industrial buildings/warehouses, major oil storage facilities (MOSF) and the Town of Hempstead incinerator plant adjacent to the west.

## **1.2 Site History**

The Site is the location of the former Quick and Clean Cleaners, an on-site dry-cleaning service which operated on the premises from at least 1980 to 1991. Investigations performed by the Nassau County Department of Health (NCDOH) in 1980 and 1991 found that tetrachloroethene (PCE) had been released at the Site in discharge water and/or condensate (vapors).

The environmental history of the subject lots was summarized in the SCR dated August 2010 as prepared by Environmental Assessment and Remediation (EAR) under contract to the NYSDEC. This summary consisted of a chronology of events based solely on NCDOH files. According to the SCR the NCDOH identified approximate PCE concentrations of 67,000 ppb in a sample of “industrial wastewater discharge” at the Site on 3/26/80. In 1991 NCDOH reported PCE concentrations of 1.3 million ug/kg in shallow soil (<2 ft) adjacent to a vapor discharge pipe in the rear of the building. This soil was successfully removed in 1992 by the operator under NCDOH oversight and the case was closed by NCDOH on 3/30/92. The Site was initially assigned a “P” (potential) listing on the Inactive Hazardous Waste Site Registry by the New York Department of Environmental Conservation (NYSDEC) in 2009. The NYSDEC conducted a site characterization in July-August 2001 (SCR 8/2010) and upgraded the registry listing to a Class 2 site in August 2011.

## **1.3 Summary of Remedial Investigation**

Chlorinated impacts tetrachloroethene (PCE), trichloroethene (TCE), 1, 2 dichloroethene (DCE) and vinyl chloride (VC) in groundwater were identified during the site characterization phase at on-site and off-site locations. PCE contamination extended to the northwest of the site and was discovered to a depth of approximately 50' below grade surface (bgs). Multiple transformation products were also discovered off-site including TCE, 1, 2 DCE and VC. The highest levels of contamination were found off-site along the western side of Rockaway Turnpike with PCE concentrations of 20,400 ppb at 30-32' and 4,620 ppb at 50-52'. Based upon the data generated during the site characterization phase recommendations were made that included: further vertical and horizontal delineation of chlorinated contamination, vertically on-site and laterally and vertically off-site.

A Remedial Investigation (RI) was performed in order to delineate the nature and extent of contamination on-site and off-site. A series of multi-level groundwater sampling locations were selected in order to define the vertical and lateral extent of contamination and to complete the conceptual site model (CSM). On-site sampling was conducted along the eastern property boundary (GW-3, 4 and 5) at multiple depths, but no significant concentrations were detected with the highest constituent 1,2 DCE detected at 87 ppb from 30-32'. GW-2 was collected off the southwest corner of the site building in order to define the west extent of the plume and GW-1 was sampled from the surface of the water table to 70-72' bgs in ten foot increments. Previous locations (EP-15 and EP-18) that were not fully defined during the site characterization were re-evaluated in order to delineate contamination vertically. Former site characterization locations EP-15 and EP-18 were sampled to a depth of 60' bgs and contamination was successfully delineated to acceptable levels. Contamination was also delineated horizontally, to the northwest of the site, where four (4) borings

were conducted with multiple sampling depths. These samples, collected northwest of the Chase Bank, indicated that PCE contamination was detected at 53 ppb in the 20-30' range at the GW-7 location, but deeper sampling depths were all non-detect at the deeper depths. The findings from the RI stage were successful in defining the full nature and extent of contamination emanating from the site.

#### **1.4 Site Geology / Hydrogeology**

According to boring logs included in the SCR, subsurface materials at the site consist of medium to coarse sand and gravel for the upper 10 feet followed by fine to medium sand to 18 feet below grade. A 1 to 2 ft layer of silt and clay was reported at some locations. Soils deeper than 20 feet were not characterized although silt and clay zones were suspected at 34 feet to 52 feet based on limited groundwater recharge and clogging of the groundwater sampling tools with silt and clay. The depth to groundwater was not measured at the site during the site characterization although it is reported in the drill logs at a depth of 11 feet below the surface. However, this is inconsistent with water level measurements made in monitoring wells at the adjacent property to the north that report the depth to water ranging from 3.61 to 4.89 feet. The groundwater flow direction has been determined at the site to be west northwest.

#### **1.5 Conceptual Site Model (CSM)**

A CSM has been developed for the site depicting the nature and extent of groundwater contamination emanating from the site including chlorinated VOC's PCE, TCE, DCE and VC. The CSM was initially developed during site characterization phase and completed during the RI phase. During the RI phase of investigation multiple sampling locations were proposed in order to fill data gaps in the CSM developed during the site characterization and fully characterize the vertical and horizontal extent of the plume. The completed CSM shows that successful plume delineation was achieved vertically and horizontally to the east, west and north of the site. The results from the RI and the final CSM determined the need for the development of potential remedies to treat on-site and off-site groundwater contamination in order to reduce the potential for exposure to such contaminants.

#### **1.6 Remedial Action Objectives (RAO's)**

Based upon contamination discovered on and off-site above regulatory standards for groundwater the following Generic Remedial Action Objectives (RAOs) will apply during the remedial phase in order to protect the environment and the interest of the public's health:

- prevent contact with, or inhalation of volatiles, from contaminated groundwater within the on-site building by maintaining a negative pressure below the building slab

Based upon the potential for Soil Vapor Intrusion (SVI) due to groundwater contamination present on and

off-site, the following RAOs apply for the protection of the environment and the interest of the public's health:

- mitigate potential impacts to on-site workers and customers of the Urgent Care Facility from existing, or the potential for, soil vapor intrusion within the facility

## **2.0 SOIL VAPOR INTRUSION (SVI) MITIGATION**

The term soil vapor intrusion or SVI refers to the process by which volatile chemicals migrate from a sub-surface source into the indoor air of buildings. In order to prevent the possibility of SVI at the subject site the IRM was proposed to address sub-slab soil vapor contamination.

### **2.1 Soil Vapor Migration Pathways**

Typical soil vapor migration pathways include entrance into a building through cracks or perforations in the slab or walls, and through openings around sump pumps or where pipes and

electrical wires go through the foundation. The vapor movement is primarily a result of a difference between interior and exterior pressures. As established in the NYSDOH Vapor Intrusion Guidance, October 2006, the basic requirements that must be established with respect to a soil vapor mitigation program are as follows:

- Methods of Mitigation;
- Pilot testing, installation and design of mitigation systems
- Post-mitigation testing
- Operation, maintenance and monitoring of mitigation systems;
- Termination of mitigation system operations; and
- Annual certification

### **2.2 Methods of Mitigation**

The most effective methods of mitigation involve sealing of infiltration points and actively manipulating the pressure differential between the building's interior and exterior on a continuous basis. In this case the subject site is constructed with a slab-on-grade foundation so the installation of an active SSDS was the most feasible, cost effective means of mitigation.



### *2.2.1 Sealing of Infiltration Points*

The interior area(s) identified as requiring mitigation were further inspected as to the integrity and condition of the poured concrete floor and any utility or other perforation or penetrations into the sub-grade surface.

As part of the IRM activities, all cracks and “sealable” penetrations were sealed via the utilization of hydraulic cement. All joints, cracks and other penetrations of slabs, floor assemblies and foundation walls below or in contact with the ground surface were sealed with materials that prevent air leakage. All areas sealed were completed prior to the pilot test or any other testing performed at the property in order to limit the generation of misleading site data.

### *2.2.2 Buildings with a slab-on-grade foundation*

In conjunction with sealing the potential sub-surface vapor points, active sub-slab depressurization (SSD system or SSDS) is the preferred mitigation method for buildings with a basement or slab-on-grade foundation. An SSDS uses a fan-powered vent and piping to draw vapors from the soil beneath the buildings slab. In many cases soil conditions beneath the slab begin to settle over time creating a void space for harmful vapors to harbor. The SSDS essentially creates a negative pressure differential underneath the slab resulting in vapor discharge to the atmosphere. Lower sub-slab air pressure relative to indoor air pressure prevents the infiltration of sub-slab vapors into the building. (NYSDOH GSVI, October 2006 p. 58) This helps prevent elevated indoor air concentrations from entering into the building and continually removes any harmful vapors from the building.

## **2.3 Remedy Design (SSDS)**

Sub-slab vapor contamination discovered under the building is currently being removed via active sub-slab depressurization (SSDS). On September 10 and 11, 2015 two inch (2") diameter PVC screened piping was installed at two (2) different locations within the building. Drain entry points have been utilized exiting the building in order to route SSDS piping to the exterior of the building and the roof. Two (2) five (5') lengths of screened piping, wrapped in filter fabric were installed approximately 1' below the slab in order to remove sub-slab vapors from underneath the building's foundation. Solid PVC riser pipe finishes the system to grade and continues to the roof where vapors are exhausted into the atmosphere. Please refer to Figure-3 (engineer as-built) which portrays the layout of the system. The engineering control (E.C) associated with the system is a small powered GP 501 vacuum/blower specifically designed for sub-slab vapor removal. The E.C specs have been attached as Attachment-A to this report. The blower does not need an enclosure due to its relatively quiet operation and minimal vibration. The blower motor was wired with a 110v grounded plug and mounted on the roof top. The mounting location of the blower was based upon the piping scheme and is fixed onto the roof, with the exhaust stack extending to 10' above the nearest neighboring roof line. A system shut-down warning has been installed to the motor wiring to indicate its “on”

operation. If the light is ever discovered to be “off” the site staff will contact the project manager in order to diagnose the issue. Please see Attachment-B for photos of the roof-top construction.

## **2.4 Pilot Testing of the System**

A pressure field extension (PFE) test of the sub-slab beneath the basement floor has been completed. The objective of the testing was to establish the radius of influence (ROI) and assure all areas beneath the slab are subject to vacuum. The test was conducted via four (4) small diameter shallow sub-slab permanent vapor points (PV) and four (4) shallow sub-slab temporary vapor points (TV). The eight (8) PV/TV points were installed at eight select locations within the sub-slab of the former cleaners. Please refer to Figure-4 for the location of the PV/TV points within the building and Figure-5, which depicts the PV point construction. Specifically, the PV points in the sub-slab are at an approximate distance of fifteen feet away from each SSDS leg, installed approximately one foot deep within the poured concrete floor and the TV points are located at select areas to ensure influence under the entire slab. The PV and TV monitoring points were used to record pressure responses during the test as per the *Guidance for Evaluating Soil Vapor Intrusion in the State of New York NYSDOH, 2006*) and the *Radon Mitigation Standards (USEPA 402-R-03-078)*. These PV points can also be used if necessary during other key phases of the project to check both on pressure as well as VOCs in soil gas.

A rotary core drill was used to penetrate the concrete floor slab in order to install half inch diameter PV/TV points to an approximate depth of one foot below the concrete slab. These PV points were installed as permanent points as per the NYSDOH guidance. A 3/8-inch diameter polyethylene tubing was affixed to the permanent soil vapor screen point, which were installed to within one inch of the bottom of the hole at each PV and TV location. A permanent seal between the tubing and the concrete sub floor was used to ensure that no air leaks were possible at the vacuum measuring point. TV points were fitted with temporary seals to prevent air leaks. The PFE test was conducted using the vacuum blower to apply a vacuum within the SSDS system. The TV points were installed in the same manner as the PV points except they were abandoned with clean grout and sealed upon completion of their use.

Air pressure (vacuum) measurements were recorded at each of the eight (8) PV/TV monitoring points just before the start of each test to ensure that baseline sub-slab air pressures are within normal ranges. Air pressure measurements were continued once every 10 minutes while applying a continuous vacuum to the SSDS. Air pressure was measured with a Dwyer Magnehelic® vacuum meter, calibrated to atmospheric pressure prior to the test. The test was run utilizing the proposed GP 501 vacuum/blower, with the equivalent vacuum reading of 6 in/Hg and a vacuum flow rate of approximately 80 feet per minute (FM) (equivalent to an air consumption rate of 25 CFM). Please refer to Figure-4, which depicts the vacuum results and PID readings recorded during the test.

## **2.5 Post Installation Testing of the System**

Routine airflow and concentration testing of the system is being performed on a quarterly basis by technicians in order to collect airflow and bulk air concentration data. Airflow calculations for the SSDS are being generated using inline airflow rates and concentration data collected near the SSDS piping. In order to collect air concentration measurements, total VOC measurements are measured with a photoionization detector (PID) meter via a sample port installed within the riser at each leg of the system and the overall exhaust piping. Stack emission sampling is performed on a quarterly basis using a tedlar bag to collect exhaust air from the stack. The tedlar bag is then transported under strict chain of custody to a New York State certified lab for testing of VOC contamination by EPA method 8260C. A database is being generated to store all data acquired during monitoring events. Quarterly reports to the Department include routine airflow and VOC concentration data collected during each monitoring event. Reports will also detail any system repairs or alterations that occurred between sampling events. Generally, no continued indoor air quality monitoring is required if the system has been installed properly and is maintaining a vacuum beneath the entire slab. As is, indoor air sampling conducted within the subject building during the winter of 2012 did not indicate any VOC contamination. Please see Attachment-C for the field maintenance log provided to the technician for inspection.

## **2.6 Interim Site Management Plan (ISMP) & Operation and Maintenance (OM and M)**

When mitigation systems are implemented at a site, the operation, maintenance and monitoring (OM&M) protocols for the systems are typically set forth in a site-specific ISMP plan. Subsequent to the initial installation and start-up of the system, weekly monitoring was conducted to evaluate the effectiveness of the system, as well as to ensure emissions are not exceeding regulatory guidelines. Monthly vapor sampling (of the in-line sample ports and stack exhaust) is being conducted to ensure that the system is adequately removing VOC-impacted soil vapors. Routine maintenance was performed weekly for the first month and will be monthly thereafter. During routine maintenance the following activities are performed:

- A visual inspection of the complete system (blower vent fan, piping, warning device, etc.);
- Identification and repair of leaks; and
- Inspection of the exhaust or discharge point to verify no new air intakes have been located nearby

As necessary, preventive maintenance (e.g., replacing vent fans), repairs and/or adjustments will be made to the system to ensure its continued effectiveness at mitigating exposures related to soil vapor intrusion. The need for preventive maintenance will depend upon the life expectancy and warranty for the specific part, as well as visual observations over time. The need for repairs and/or adjustments will depend upon

the results of a specific activity compared to that obtained when system operations were initiated. If significant changes are made to the system or when the systems performance is unacceptable, the system may need to be redesigned and restarted.

In addition to the routine OM&M activities described here, the building's owner and tenants will be given information packages that explain the systems operation, maintenance and monitoring. An Interim Site Management Plan (ISMP) will be developed to include the above and also provided to the building's owner and tenants. Therefore, at any time during the systems operation, the building's owner or tenants may check that the system is operating properly.

## **2.7 Termination of SSDS Operation**

The SSDS will not be turned off or shut down without prior approval from either the State Health Department or DEC. The SSDS will remain operational until it is no longer needed to address current or potential exposures related to soil vapor intrusion. Termination of the mitigation system will comply with the procedures discussed in the NYSDOH guidance and with NYSDEC and NYSDOH concurrence. A petition for the termination of the SSDS would be largely based upon the following:

1. Residual subsurface sources of contamination, if any, of VOCs in subsurface vapors have been remediated based upon an evaluation of appropriate post-remedial sampling results;
2. Residual contamination, if any, in sub-surface vapors is not expected to affect indoor air quality based upon indoor, outdoor air and sub-slab vapor sampling results;
3. Residual contamination, if any, in sub-surface vapors is not expected to affect indoor air quality when the SSDS is turned off based upon indoor air, outdoor air and sub-slab vapor sampling results at representative structure; and
4. There is no "rebound" effect that requires additional mitigation efforts observed when the SSDS system is turned off for a period of time.

The property owner will be notified to make such a determination if any one of the above conditions has been satisfied. The NYSDEC and the NYSDOH will be petitioned on this matter for concurrence prior to system termination.

## **3.0 HEALTH AND SAFETY**

During the SSDS construction, activities performed under the health and safety plan (HASP) complied with applicable parts of OSHA Regulations, primarily 29 CFR Parts 1910 and 1926. No changes or amendments were made to the HASP during on-site construction.

#### **4.0 COMMUNITY AIR MONITORING PLAN**

The Community Air Monitoring Plan (CAMP) provided measures for protection for on/off-site workers and the downwind community (i.e., off-site receptors including residences, businesses, and on-site commercial workers) from potential airborne contaminant releases resulting from mitigation activities. PID and particulate data was collected during construction and is attached as Attachment-D.

#### **5.0 CONCLUSION**

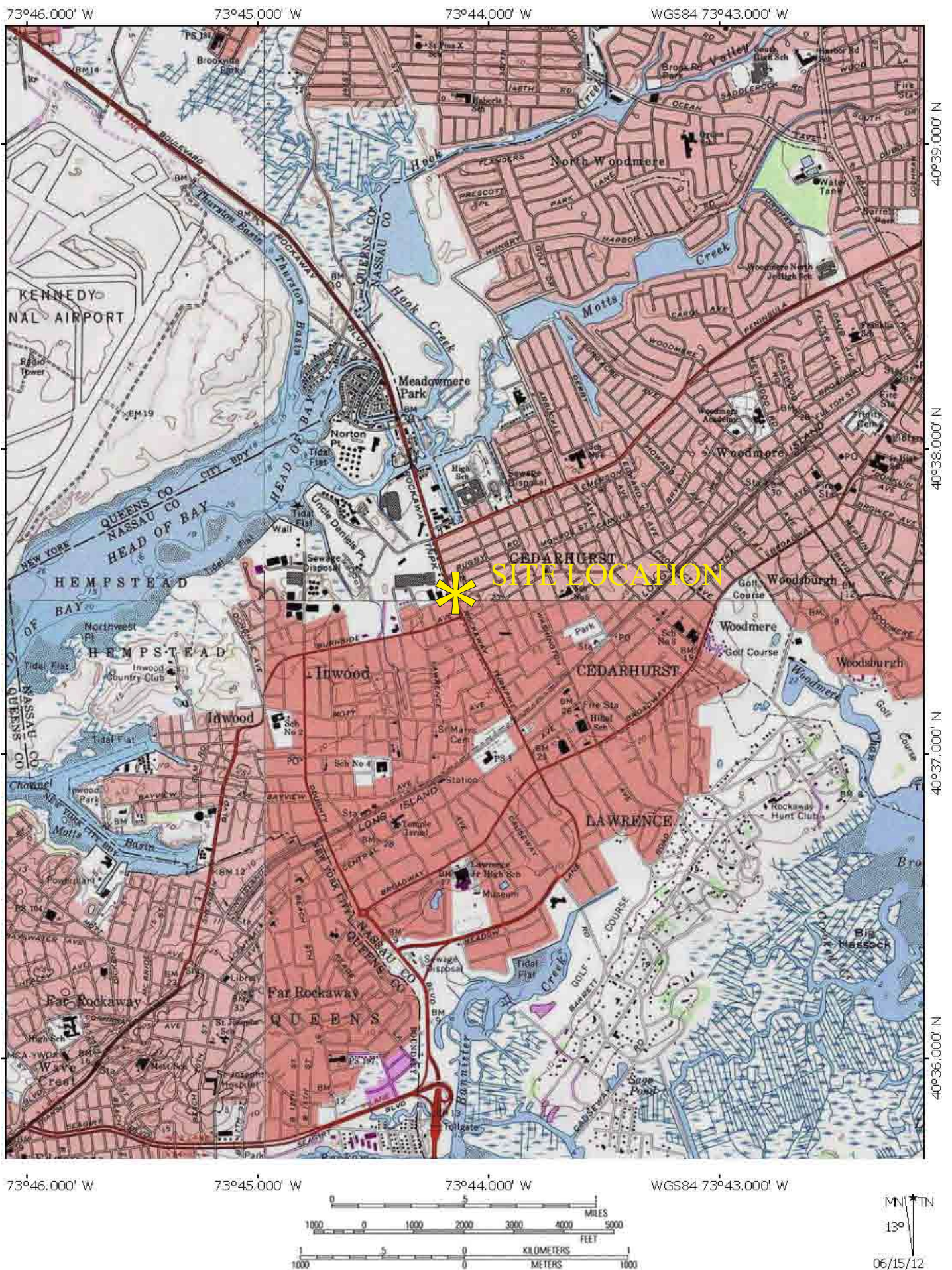
All construction activities were completed in accordance with the approved activities presented in the IRM Work Plan with the exception of some minor alterations to the original plan. These alterations were only minor and were based on in-field decisions in order facilitate the construction of the system. The following alterations to the original work plan are noted below:

- screened horizontal piping layout originally proposed to exit north wall re-positioned to exit north eastern wall
- screened horizontal piping layout originally proposed to exit south eastern wall re-positioned to exit south wall
- solid riser leg piping (from each horizontal vapor well) routed directly (vertically) to the roof and manifold on roof top as opposed to trenching piping along eastern side of building
- vacuum fan mounted on roof top with exhaust stack erected directly above fan. Originally proposed to be mounted on south eastern exterior wall

The above mentioned alterations to the locations of the screened piping were made to facilitate construction of the system based upon sub-grade utilities encountered during construction. Piping was routed directly to the roof based on unavailability of drainage trench, which was anticipated to be available during construction.

## **FIGURES**



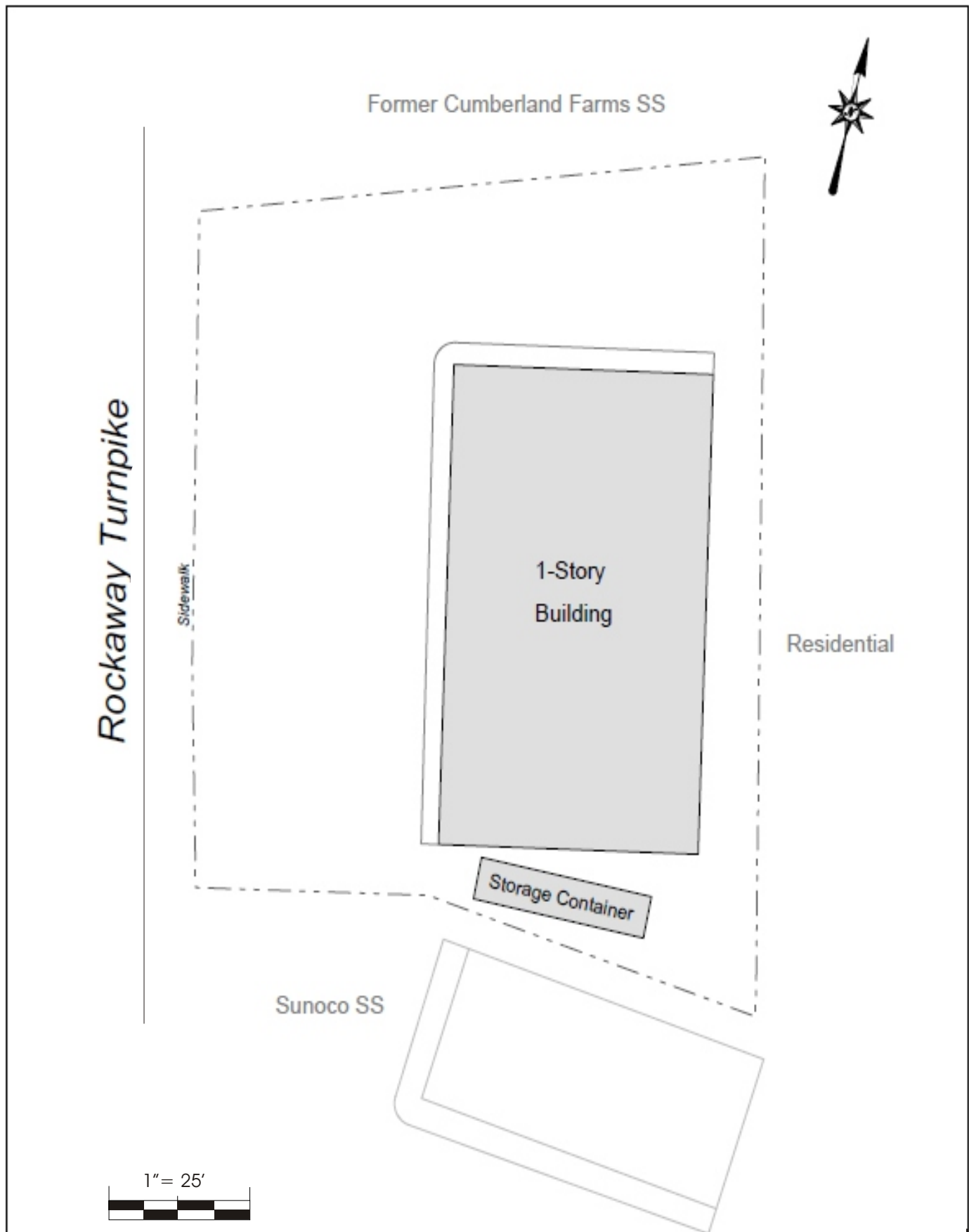


**Former Quick and Clean Cleaners  
380 Rockaway Turnpike  
Cedarhurst, New York**

**Figure-1  
Site Location**

**John V. Soderberg P.E  
PO Box 263  
Stony Brook, New York**





**Former Quick and Clean Cleaners  
380 Rockaway Turnpike  
Cedarhurst, New York**

**Figure-2  
Site Map**

**John V. Soderberg P.E  
PO Box 263  
Stony Brook, New York**



# Former Cumberland Farms SS

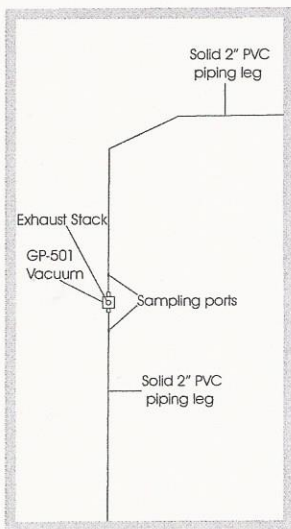


Rockaway Turnpike

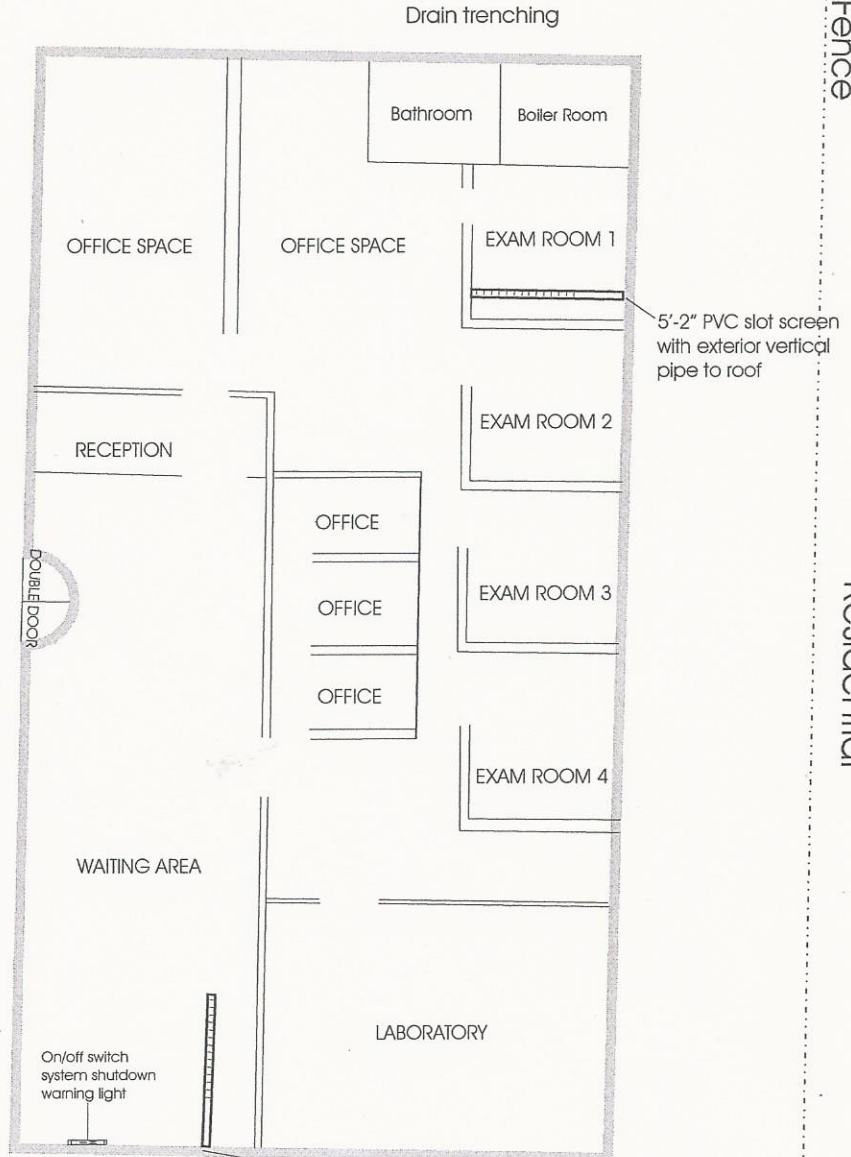
Fence

Residential

## PLAN VIEW ROOFTOP CONSTRUCTION



1"=28'



1"=14'

**URGENT-MD**  
Former Quick and Clean Cleaners  
380 Rockaway Turnpike  
Cedarhurst, New York

**Figure-3**  
**SSDS**  
**As-built**

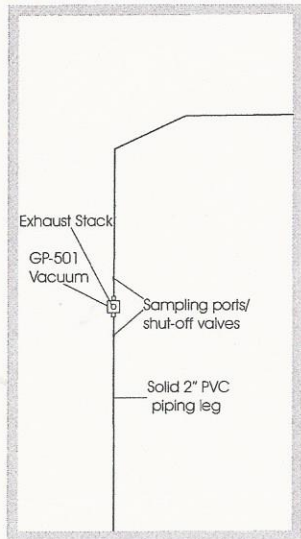
**John V. Soderberg P.E**  
**PO Box 263**  
**Stony Brook, New York**

P.E Certification



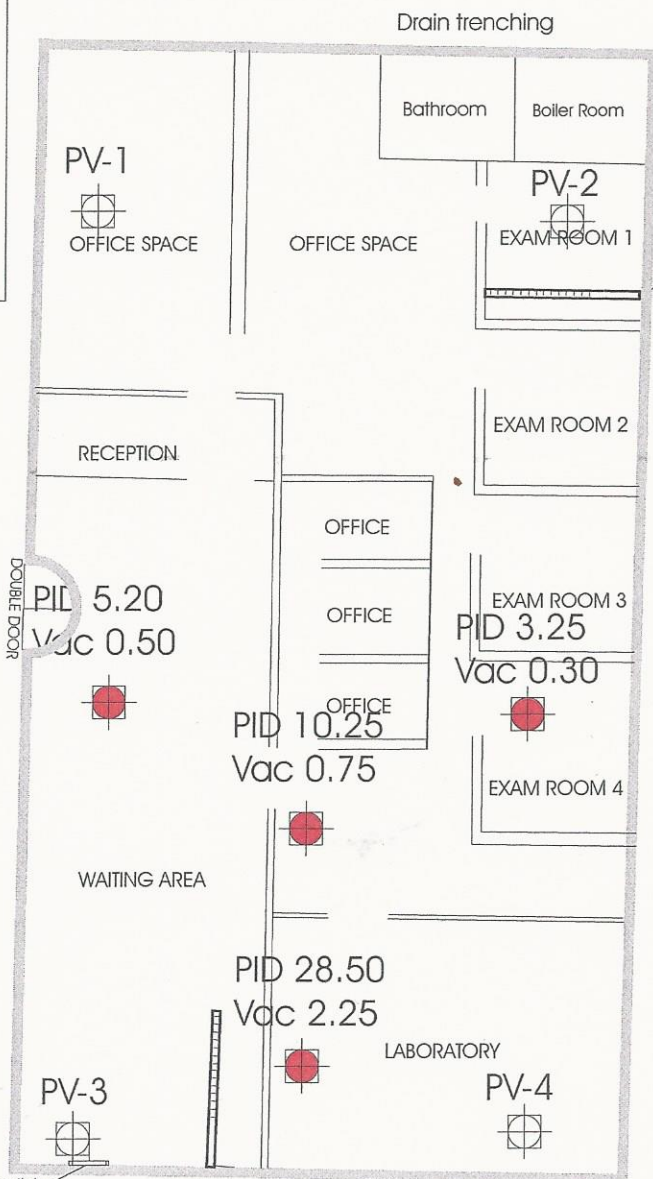
Rockaway Turnpike

PLAN VIEW ROOFTOP CONSTRUCTION



1"=28'

On/off switch system shutdown warning light

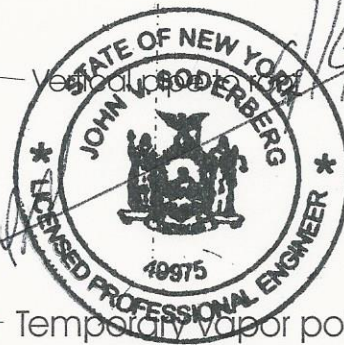


Vertical pipe to roof

Fence

Residential

Well #	PID (PPM)	Vacuum (In./H <sub>2</sub> O)
PV-1	0.35	0.50
PV-2	2.40	0.25
PV-3	48.1	2.50
PV-4	2.40	0.25



- Temporary vapor point
- Permanent vapor point

1"=14'

**URGENT-MD**  
Former Quick and Clean Cleaners  
380 Rockaway Turnpike  
Cedarhurst, New York

**Figure-4**  
Pressure Field  
Extension Test

John V. Soderberg P.E.  
PO Box 263  
Stony Brook, NY



John V. Soderberg P.E  
PO Box 263  
Stony Brook, NY

Drawn By: JGH

Figure-5

## Permanent Vapor Well Log

<b>Project:</b> Former Quick and Clean Cleaners	<b>Date:</b> October 2015
<b>Client:</b> 380 Rockaway Turnpike LLC	<b>Be Job No:</b>
<b>Location:</b> 380 Rockaway Turnpike Cedarhurst, NY	<b>Driller:</b> Joel/Eusi
<b>Well No:</b> PV-1-4 <b>Use:</b> Monitoring	<b>Bore Hole Dia:</b> 2.0"
<b>Probing Method:</b> Manual Tools/Rotary Hand Drill	<b>Sample Method:</b>
<b>Casing Type:</b> N/A <b>Casing Dia:</b> N/A <b>Casing Length:</b> N/A	<b>Depth to Water:</b> N/A
<b>Screen Type:</b> N/A <b>Screen Dia:</b> N/A <b>Screen Length:</b> N/A	<b>Total Depth:</b> 1'
<b>Screen Slot:</b> N/A <b>Gravel Pack:</b> #2 Fil-pro	<b>Security:</b> 5" Manhole
<b>Casing Seal:</b> Cement <b>Finish:</b> Flush Mounted	

Depth Below Grade	Sample Information	Well Design	Identification/Remarks
0'	Hydraulic Cement Seal		5" Manhole flush mounted
	3/8" Poly-tube		
			Bentonite Seal
	Fil-Pro Gravel Pack Material		
1'			Vapor / Screen Point

P.E. CERTIFICATION



## **ATTACHMENTS**

## ATTACHMENT-A

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Vacuum Specifications

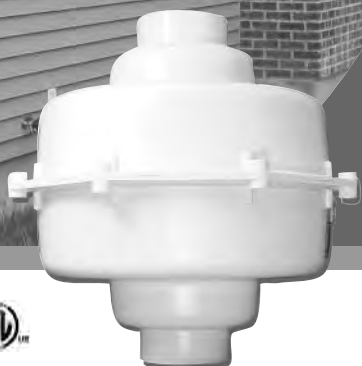


## Radon Mitigation Fans

All RadonAway fans are specifically designed for radon mitigation. GP Series Fans provide a wide range of performance that makes them ideal for most sub-slab radon mitigation systems.

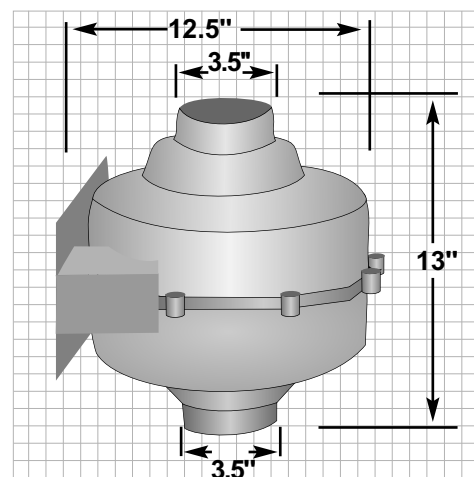
### Features:

- ♦ Five-year hassle-free warranty
- ♦ Mounts on duct pipe or with integral flange
- ♦ 3.5" diameter ducts for use with 3" or 4" pipe
- ♦ Electrical box for hard wire or plug in
- ♦ ETL Listed - for indoor or outdoor use
- ♦ Meets all electrical code requirements
- ♦ Thermally protected
- ♦ Rated for commercial and residential use.



Model	Watts	Max. Pressure "WC	Typical CFM vs. Static Pressure WC						
			1.0"	1.5"	2.0"	2.5"	3.0"	3.5"	4.0"
GP201	40-60	2.0	82	58	5	-	-	-	-
GP301	55-90	2.6	92	77	45	10	-	-	-
GP401	60-110	3.4	93	82	60	40	15	-	-
GP501	70-140	4.2	95	87	80	70	57	30	10

Choice of model is dependent on building characteristics including sub-slab materials and should be made by a radon professional.



**For Further Information Contact:**

ATTACHMENT-B

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Photo Log

## SSDS Roof Construction





Rooftop Construction cont...





ATTACHMENT-C

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Field Maintenance Log

**John V. Soderberg P.E**

## SSDS System Monitor and Maintenance

Site Name: Quick and Clean	Site# 130198
Address: Cedarhurst, NY	Quarterly testing

Remediation System Present?
Type of System?
Sub-slab Depressurization System
Sampling Date:

PID Readings, MiniRae 2000, in ppm	
Primary Drum:	Secondary Drum:
Influent Carbon:	Carbon Middle:
	Final Effluent Carbon:
Pressure Readings	
Pressure :	
Pre motor vac :	

Sampling Instructions: Volatiles via 8260C

Site Data		
Wells	CFM	PID ppm
North Leg		
South Leg		
Exhaust		
PV-1		
PV-2		
PV-3		
PV-4		

<b>Site Inspection:</b>	
Was System Shutdown Warning Light On___ Off___	
<u>If Off Why?</u>	<u>Indicate Any Sampling Procedures:</u>
<u>Any Visible Signs Of Leaks?</u>	
Sampled by:	

## ATTACHMENT-D

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CAMP Data

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 009059

User ID: 00000001

Site ID: 00000202

Data Points: 334

Gas Name: Isobutylene

Sample Period: 60 sec

Last Calibration Time: 05/07/14 10:49

Measurement Type:	Min (ppm)	Avg (ppm)	Max (ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0

Line #	Date	Time	Min (ppm)	Avg (ppm)	Max (ppm)
1	09/10/15	8:34	-----	0.0	0.1
2	09/10/15	8:35	-----	0.0	0.1
3	09/10/15	8:36	-----	0.0	0.0
4	09/10/15	8:37	-----	0.0	0.1
5	09/10/15	8:38	-----	0.0	0.0
6	09/10/15	8:39	-----	0.0	0.1
7	09/10/15	8:40	-----	0.0	0.1
8	09/10/15	8:41	-----	0.0	0.0
9	09/10/15	8:42	-----	0.0	0.1
10	09/10/15	8:43	-----	0.0	0.1
11	09/10/15	8:44	-----	0.0	0.1
12	09/10/15	8:45	-----	0.0	0.1
13	09/10/15	8:46	-----	0.0	0.0
14	09/10/15	8:47	-----	0.0	0.1
15	09/10/15	8:48	-----	0.0	0.1
16	09/10/15	8:49	-----	0.0	0.1
17	09/10/15	8:50	-----	0.0	0.1
18	09/10/15	8:51	-----	0.0	0.1
19	09/10/15	8:52	-----	0.0	0.0
20	09/10/15	8:53	-----	0.0	0.1
21	09/10/15	8:54	-----	0.0	0.1
22	09/10/15	8:55	-----	0.0	0.1
23	09/10/15	8:56	-----	0.0	0.1
24	09/10/15	8:57	-----	0.0	0.1
25	09/10/15	8:58	-----	0.0	0.1
26	09/10/15	8:59	-----	0.0	0.1
27	09/10/15	9:00	-----	0.0	0.1
28	09/10/15	9:01	-----	0.0	0.1
29	09/10/15	9:02	-----	0.0	0.1
30	09/10/15	9:03	-----	0.0	0.1
31	09/10/15	9:04	-----	0.0	0.1
32	09/10/15	9:05	-----	0.0	0.1
33	09/10/15	9:06	-----	0.0	0.1
34	09/10/15	9:07	-----	0.0	0.1
35	09/10/15	9:08	-----	0.0	0.1
36	09/10/15	9:09	-----	0.0	0.1
37	09/10/15	9:10	-----	0.0	0.1
38	09/10/15	9:11	-----	0.0	0.1
39	09/10/15	9:12	-----	0.0	0.1
40	09/10/15	9:13	-----	0.0	0.1
41	09/10/15	9:14	-----	0.0	0.1
42	09/10/15	9:15	-----	0.0	0.1
43	09/10/15	9:16	-----	0.0	0.1
44	09/10/15	9:17	-----	0.0	0.1
45	09/10/15	9:18	-----	0.0	0.1
46	09/10/15	9:19	-----	0.0	0.1
47	09/10/15	9:20	-----	0.0	0.1
48	09/10/15	9:21	-----	0.0	0.1
49	09/10/15	9:22	-----	0.0	0.1

50	09/10/15	9:23	-----	0.0	0.1
51	09/10/15	9:24	-----	0.0	0.1
52	09/10/15	9:25	-----	0.0	0.1
53	09/10/15	9:26	-----	0.0	0.1
54	09/10/15	9:27	-----	0.0	0.1
55	09/10/15	9:28	-----	0.0	0.1
56	09/10/15	9:29	-----	0.0	0.1
57	09/10/15	9:30	-----	0.0	0.1
58	09/10/15	9:31	-----	0.0	0.1
59	09/10/15	9:32	-----	0.0	0.1
60	09/10/15	9:33	-----	0.0	0.1
61	09/10/15	9:34	-----	0.0	0.0
62	09/10/15	9:35	-----	0.0	0.1
63	09/10/15	9:36	-----	0.0	0.0
64	09/10/15	9:37	-----	0.0	0.1
65	09/10/15	9:38	-----	0.0	0.1
66	09/10/15	9:39	-----	0.0	0.0
67	09/10/15	9:40	-----	0.0	0.1
68	09/10/15	9:41	-----	0.0	0.1
69	09/10/15	9:42	-----	0.0	0.1
70	09/10/15	9:43	-----	0.0	0.1
71	09/10/15	9:44	-----	0.0	0.0
72	09/10/15	9:45	-----	0.0	0.1
73	09/10/15	9:46	-----	0.0	0.1
74	09/10/15	9:47	-----	0.0	0.1
75	09/10/15	9:48	-----	0.0	0.1
76	09/10/15	9:49	-----	0.0	0.1
77	09/10/15	9:50	-----	0.0	0.0
78	09/10/15	9:51	-----	0.0	0.1
79	09/10/15	9:52	-----	0.0	0.1
80	09/10/15	9:53	-----	0.0	0.1
81	09/10/15	9:54	-----	0.0	0.1
82	09/10/15	9:55	-----	0.0	0.1
83	09/10/15	9:56	-----	0.0	0.1
84	09/10/15	9:57	-----	0.0	0.1
85	09/10/15	9:58	-----	0.0	0.1
86	09/10/15	9:59	-----	0.0	0.1
87	09/10/15	10:00	-----	0.0	0.1
88	09/10/15	10:01	-----	0.0	0.1
89	09/10/15	10:02	-----	0.0	0.1
90	09/10/15	10:03	-----	0.1	0.2
91	09/10/15	10:04	-----	0.4	0.8
92	09/10/15	10:05	-----	0.4	0.9
93	09/10/15	10:06	-----	2.1	4.8
94	09/10/15	10:07	-----	2.4	4.8
95	09/10/15	10:08	-----	2.5	4.8
96	09/10/15	10:09	-----	2.5	4.6
97	09/10/15	10:10	-----	0.0	5.0
98	09/10/15	10:11	-----	0.0	4.9
99	09/10/15	10:12	-----	0.0	4.6
100	09/10/15	10:13	-----	0.0	3.9
101	09/10/15	10:14	-----	0.0	3.2
102	09/10/15	10:15	-----	0.0	2.3
103	09/10/15	10:16	-----	0.0	2.2
104	09/10/15	10:17	-----	0.0	2.2
105	09/10/15	10:18	-----	0.0	2.2
106	09/10/15	10:19	-----	0.0	2.0
107	09/10/15	10:20	-----	0.0	1.8
108	09/10/15	10:21	-----	0.0	1.8
109	09/10/15	10:22	-----	0.0	1.9

110	09/10/15	10:23	-----	0.0	2.0
111	09/10/15	10:24	-----	0.0	1.7
112	09/10/15	10:25	-----	0.0	1.7
113	09/10/15	10:26	-----	0.0	1.6
114	09/10/15	10:27	-----	0.0	1.3
115	09/10/15	10:28	-----	0.0	1.0
116	09/10/15	10:29	-----	0.0	1.0
117	09/10/15	10:30	-----	0.0	0.9
118	09/10/15	10:31	-----	0.0	0.3
119	09/10/15	10:32	-----	0.0	0.3
120	09/10/15	10:33	-----	0.0	0.1
121	09/10/15	10:34	-----	0.0	0.0
122	09/10/15	10:35	-----	0.0	0.1
123	09/10/15	10:36	-----	0.0	0.1
124	09/10/15	10:37	-----	0.0	0.1
125	09/10/15	10:38	-----	0.0	0.1
126	09/10/15	10:39	-----	0.0	0.1
127	09/10/15	10:40	-----	0.0	0.1
128	09/10/15	10:41	-----	0.0	0.1
129	09/10/15	10:42	-----	0.0	0.1
130	09/10/15	10:43	-----	0.0	0.1
131	09/10/15	10:44	-----	0.0	0.1
132	09/10/15	10:45	-----	0.0	0.1
133	09/10/15	10:46	-----	0.0	0.1
134	09/10/15	10:47	-----	0.0	0.1
135	09/10/15	10:48	-----	0.0	0.1
136	09/10/15	10:49	-----	0.0	0.1
137	09/10/15	10:50	-----	0.0	0.1
138	09/10/15	10:51	-----	0.0	0.1
139	09/10/15	10:52	-----	0.0	0.1
140	09/10/15	10:53	-----	0.0	0.1
141	09/10/15	10:54	-----	0.0	0.1
142	09/10/15	10:55	-----	0.0	0.1
143	09/10/15	10:56	-----	0.0	0.1
144	09/10/15	10:57	-----	0.0	0.1
145	09/10/15	10:58	-----	0.0	0.1
146	09/10/15	10:59	-----	0.0	0.1
147	09/10/15	11:00	-----	0.0	0.1
148	09/10/15	11:01	-----	0.0	0.1
149	09/10/15	11:02	-----	0.0	0.1
150	09/10/15	11:03	-----	0.0	0.1
151	09/10/15	11:04	-----	0.0	0.1
152	09/10/15	11:05	-----	0.0	0.1
153	09/10/15	11:06	-----	0.0	0.1
154	09/10/15	11:07	-----	0.0	0.1
155	09/10/15	11:08	-----	0.0	0.1
156	09/10/15	11:09	-----	0.0	0.1
157	09/10/15	11:10	-----	0.0	0.1
158	09/10/15	11:11	-----	0.0	0.1
159	09/10/15	11:12	-----	0.0	0.1
160	09/10/15	11:13	-----	0.0	0.1
161	09/10/15	11:14	-----	0.0	0.1
162	09/10/15	11:15	-----	0.0	0.1
163	09/10/15	11:16	-----	0.0	0.0
164	09/10/15	11:17	-----	0.0	0.1
165	09/10/15	11:18	-----	0.0	0.0
166	09/10/15	11:19	-----	0.0	0.1
167	09/10/15	11:20	-----	0.0	0.1
168	09/10/15	11:21	-----	0.0	0.0
169	09/10/15	11:22	-----	0.0	0.1



170	09/10/15	11:23	-----	0.0	0.1
171	09/10/15	11:24	-----	0.0	0.1
172	09/10/15	11:25	-----	0.0	0.1
173	09/10/15	11:26	-----	0.0	0.0
174	09/10/15	11:27	-----	0.0	0.1
175	09/10/15	11:28	-----	0.0	0.1
176	09/10/15	11:29	-----	0.0	0.1
177	09/10/15	11:30	-----	0.0	0.1
178	09/10/15	11:31	-----	0.0	0.1
179	09/10/15	11:32	-----	0.0	0.0
180	09/10/15	11:33	-----	0.0	0.1
181	09/10/15	11:34	-----	0.0	0.1
182	09/10/15	11:35	-----	0.0	0.1
183	09/10/15	11:36	-----	0.0	0.1
184	09/10/15	11:37	-----	0.0	0.1
185	09/10/15	11:38	-----	0.0	0.1
186	09/10/15	11:39	-----	0.0	0.1
187	09/10/15	11:40	-----	0.0	0.1
188	09/10/15	11:41	-----	0.0	0.1
189	09/10/15	11:42	-----	0.0	0.1
190	09/10/15	11:43	-----	0.0	0.1
191	09/10/15	11:44	-----	0.0	0.1
192	09/10/15	11:45	-----	0.0	0.1
193	09/10/15	11:46	-----	0.0	0.1
194	09/10/15	11:47	-----	0.0	0.1
195	09/10/15	11:48	-----	0.0	0.1
196	09/10/15	11:49	-----	0.0	0.1
197	09/10/15	11:50	-----	0.0	0.1
198	09/10/15	11:51	-----	0.0	0.1
199	09/10/15	11:52	-----	0.0	0.1
200	09/10/15	11:53	-----	0.0	0.1
201	09/10/15	11:54	-----	0.0	0.1
202	09/10/15	11:55	-----	0.0	0.1
203	09/10/15	11:56	-----	0.0	0.1
204	09/10/15	11:57	-----	0.0	0.1
205	09/10/15	11:58	-----	0.0	0.1
206	09/10/15	11:59	-----	0.0	0.1
207	09/10/15	12:00	-----	0.0	0.1
208	09/10/15	12:01	-----	0.0	0.1
209	09/10/15	12:02	-----	0.0	0.1
210	09/10/15	12:03	-----	0.0	0.1
211	09/10/15	12:04	-----	0.0	0.1
212	09/10/15	12:05	-----	0.0	0.0
213	09/10/15	12:06	-----	0.0	0.1
214	09/10/15	12:07	-----	0.0	0.1
215	09/10/15	12:08	-----	0.0	0.1
216	09/10/15	12:09	-----	0.0	0.1
217	09/10/15	12:10	-----	0.0	0.1
218	09/10/15	12:11	-----	0.0	0.1
219	09/10/15	12:12	-----	0.0	0.1
220	09/10/15	12:13	-----	0.0	0.1
221	09/10/15	12:14	-----	0.0	0.1
222	09/10/15	12:15	-----	0.0	0.1
223	09/10/15	12:16	-----	0.0	0.1
224	09/10/15	12:17	-----	0.0	0.1
225	09/10/15	12:18	-----	0.0	0.1
226	09/10/15	12:19	-----	0.0	0.1
227	09/10/15	12:20	-----	0.0	0.1
228	09/10/15	12:21	-----	0.0	0.1
229	09/10/15	12:22	-----	0.0	0.1

230	09/10/15	12:23	-----	0.0	0.1
231	09/10/15	12:24	-----	0.0	0.1
232	09/10/15	12:25	-----	0.0	0.1
233	09/10/15	12:26	-----	0.0	0.1
234	09/10/15	12:27	-----	0.0	0.1
235	09/10/15	12:28	-----	0.0	0.1
236	09/10/15	12:29	-----	0.0	0.1
237	09/10/15	12:30	-----	0.0	0.2
238	09/10/15	12:31	-----	0.0	0.2
239	09/10/15	12:32	-----	0.0	0.5
240	09/10/15	12:33	-----	0.0	0.9
241	09/10/15	12:34	-----	1.1	2.3
242	09/10/15	12:35	-----	1.5	3.5
243	09/10/15	12:36	-----	2.1	3.9
244	09/10/15	12:37	-----	2.2	4.6
245	09/10/15	12:38	-----	2.5	4.9
246	09/10/15	12:39	-----	2.5	5.5
247	09/10/15	12:40	-----	3.1	6.9
248	09/10/15	12:41	-----	5.2	10.8
249	09/10/15	12:42	-----	5.9	10.5
250	09/10/15	12:43	-----	6.1	10.1
251	09/10/15	12:44	-----	6.3	10.8
252	09/10/15	12:45	-----	7.9	10.5
253	09/10/15	12:46	-----	8.2	9.9
254	09/10/15	12:47	-----	7.9	9.5
255	09/10/15	12:48	-----	7.2	9.2
256	09/10/15	12:49	-----	7.1	8.5
257	09/10/15	12:50	-----	7.1	7.9
258	09/10/15	12:51	-----	7.1	7.3
259	09/10/15	12:52	-----	6.9	7.5
260	09/10/15	12:53	-----	5.5	5.9
261	09/10/15	12:54	-----	0.0	0.1
262	09/10/15	12:55	-----	0.1	0.1
263	09/10/15	12:56	-----	0.1	0.1
264	09/10/15	12:57	-----	0.1	0.0
265	09/10/15	12:58	-----	0.0	0.1
266	09/10/15	12:59	-----	0.0	0.1
267	09/10/15	1:00	-----	0.0	0.1
268	09/10/15	1:01	-----	0.0	0.1
269	09/10/15	1:02	-----	0.0	0.1
270	09/10/15	1:03	-----	0.0	0.0
271	09/10/15	1:04	-----	0.0	0.1
272	09/10/15	1:05	-----	0.0	0.1
273	09/10/15	1:06	-----	0.0	0.1
274	09/10/15	1:07	-----	0.0	0.1
275	09/10/15	1:08	-----	0.0	0.1
276	09/10/15	1:09	-----	0.0	0.1
277	09/10/15	1:10	-----	0.0	0.1
278	09/10/15	1:11	-----	0.0	0.1
279	09/10/15	1:12	-----	0.0	0.1
280	09/10/15	1:13	-----	0.0	0.1
281	09/10/15	1:14	-----	0.0	0.1
282	09/10/15	1:15	-----	0.0	0.1
283	09/10/15	1:16	-----	0.0	0.1
284	09/10/15	1:17	-----	0.0	0.1
285	09/10/15	1:18	-----	0.0	0.1
286	09/10/15	1:19	-----	0.0	0.1
287	09/10/15	1:20	-----	0.0	0.1
288	09/10/15	1:21	-----	0.0	0.1
289	09/10/15	1:22	-----	0.0	0.1

290	09/10/15	1:23	-----	0.0	0.1
291	09/10/15	1:24	-----	0.0	0.1
292	09/10/15	1:25	-----	0.0	0.1
293	09/10/15	1:26	-----	0.0	0.1
294	09/10/15	1:27	-----	0.0	0.1
295	09/10/15	1:28	-----	0.0	0.1
296	09/10/15	1:29	-----	0.0	0.1
297	09/10/15	1:30	-----	0.0	0.1
298	09/10/15	1:31	-----	0.0	0.1
299	09/10/15	1:32	-----	0.0	0.1
300	09/10/15	1:33	-----	0.0	0.1
301	09/10/15	1:34	-----	0.0	0.1
302	09/10/15	1:35	-----	0.0	0.1
303	09/10/15	1:36	-----	0.0	0.0
304	09/10/15	1:37	-----	0.0	0.1
305	09/10/15	1:38	-----	0.0	0.1
306	09/10/15	1:39	-----	0.0	0.1
307	09/10/15	1:40	-----	0.0	0.1
308	09/10/15	1:41	-----	0.0	0.1
309	09/10/15	1:42	-----	0.0	0.1
310	09/10/15	1:43	-----	0.0	0.1
311	09/10/15	1:44	-----	0.0	0.1
312	09/10/15	1:45	-----	0.0	0.1
313	09/10/15	1:46	-----	0.0	0.1
314	09/10/15	1:47	-----	0.0	0.1
315	09/10/15	1:48	-----	0.0	0.1
316	09/10/15	1:49	-----	0.0	0.1
317	09/10/15	1:50	-----	0.0	0.1
318	09/10/15	1:51	-----	0.0	0.1
319	09/10/15	1:52	-----	0.0	0.1
320	09/10/15	1:53	-----	0.0	0.1
321	09/10/15	1:54	-----	0.0	0.1
322	09/10/15	1:55	-----	0.0	0.1
323	09/10/15	1:56	-----	0.0	0.1
324	09/10/15	1:57	-----	0.0	0.1
325	09/10/15	1:58	-----	0.0	0.1
326	09/10/15	1:59	-----	0.0	0.1
327	09/10/15	2:00	-----	0.0	0.1
328	09/10/15	2:01	-----	0.0	0.1
329	09/10/15	2:02	-----	0.0	0.1
330	09/10/15	2:03	-----	0.0	0.1
331	09/10/15	2:04	-----	0.0	0.1
332	09/10/15	2:05	-----	0.0	0.0
333	09/10/15	2:06	-----	0.0	0.0
334	09/10/15	2:07	-----	0.0	0.0

QAC Sept. 11, 2015

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 009059

User ID: 00000001

Site ID: 00000202

Data Points: 298

Gas Name: Isobutylene

Sample Period: 60 sec

Last Calibration Time: 05/07/14 10:49

Measurement Type:	Min (ppm)	Avg (ppm)	Max (ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0

Line #	Date	Time	Min (ppm)	Avg (ppm)	Max (ppm)
1	09/11/15	8:47	-----	0.0	0.1
2	09/11/15	8:48	-----	0.0	0.1
3	09/11/15	8:49	-----	0.0	0.1
4	09/11/15	8:50	-----	0.0	0.1
5	09/11/15	8:51	-----	0.0	0.1
6	09/11/15	8:52	-----	0.0	0.0
7	09/11/15	8:53	-----	0.0	0.1
8	09/11/15	8:54	-----	0.0	0.1
9	09/11/15	8:55	-----	0.0	0.1
10	09/11/15	8:56	-----	0.0	0.1
11	09/11/15	8:57	-----	0.0	0.1
12	09/11/15	8:58	-----	0.0	0.1
13	09/11/15	8:59	-----	0.0	0.1
14	09/11/15	9:00	-----	0.0	0.1
15	09/11/15	9:01	-----	0.0	0.1
16	09/11/15	9:02	-----	0.0	0.1
17	09/11/15	9:03	-----	0.0	0.1
18	09/11/15	9:04	-----	0.0	0.1
19	09/11/15	9:05	-----	0.0	0.1
20	09/11/15	9:06	-----	0.0	0.1
21	09/11/15	9:07	-----	0.0	0.1
22	09/11/15	9:08	-----	0.0	0.1
23	09/11/15	9:09	-----	0.0	0.1
24	09/11/15	9:10	-----	0.0	0.1
25	09/11/15	9:11	-----	0.0	0.1
26	09/11/15	9:12	-----	0.0	0.1
27	09/11/15	9:13	-----	0.0	0.1
28	09/11/15	9:14	-----	0.0	0.1
29	09/11/15	9:15	-----	0.0	0.1
30	09/11/15	9:16	-----	0.0	0.1
31	09/11/15	9:17	-----	0.0	0.1
32	09/11/15	9:18	-----	0.0	0.1
33	09/11/15	9:19	-----	0.0	0.1
34	09/11/15	9:20	-----	0.0	0.1
35	09/11/15	9:21	-----	0.0	0.1
36	09/11/15	9:22	-----	0.0	0.1
37	09/11/15	9:23	-----	0.0	0.1
38	09/11/15	9:24	-----	0.0	0.1
39	09/11/15	9:25	-----	0.0	0.1
40	09/11/15	9:26	-----	0.0	0.1
41	09/11/15	9:27	-----	0.0	0.1
42	09/11/15	9:28	-----	0.0	0.1
43	09/11/15	9:29	-----	0.0	0.1
44	09/11/15	9:30	-----	0.0	0.1
45	09/11/15	9:31	-----	0.0	0.1
46	09/11/15	9:32	-----	0.0	0.1
47	09/11/15	9:33	-----	0.0	0.1
48	09/11/15	9:34	-----	0.0	0.0
49	09/11/15	9:35	-----	0.0	0.1

50	09/11/15	9:36	-----	0.0	0.0
51	09/11/15	9:37	-----	0.0	0.1
52	09/11/15	9:38	-----	0.0	0.1
53	09/11/15	9:39	-----	0.0	0.0
54	09/11/15	9:40	-----	0.0	0.1
55	09/11/15	9:41	-----	0.0	0.1
56	09/11/15	9:42	-----	0.0	0.0
57	09/11/15	9:43	-----	0.0	0.0
58	09/11/15	9:44	-----	0.0	0.0
59	09/11/15	9:45	-----	0.0	0.0
60	09/11/15	9:46	-----	0.0	0.0
61	09/11/15	9:47	-----	0.0	0.0
62	09/11/15	9:48	-----	0.0	0.0
63	09/11/15	9:49	-----	0.0	0.0
64	09/11/15	9:50	-----	0.0	0.0
65	09/11/15	9:51	-----	0.0	0.0
66	09/11/15	9:52	-----	0.0	0.0
67	09/11/15	9:53	-----	0.0	0.0
68	09/11/15	9:54	-----	0.0	0.0
69	09/11/15	9:55	-----	0.0	0.0
70	09/11/15	9:56	-----	0.0	0.0
71	09/11/15	9:57	-----	0.0	0.0
72	09/11/15	9:58	-----	0.0	0.0
73	09/11/15	9:59	-----	0.0	0.0
74	09/11/15	10:00	-----	0.0	0.0
75	09/11/15	10:01	-----	0.0	0.0
76	09/11/15	10:02	-----	0.0	0.0
77	09/11/15	10:03	-----	0.0	0.0
78	09/11/15	10:04	-----	0.0	0.0
79	09/11/15	10:05	-----	0.0	0.0
80	09/11/15	10:06	-----	0.0	0.0
81	09/11/15	10:07	-----	0.0	0.0
82	09/11/15	10:08	-----	0.0	0.0
83	09/11/15	10:09	-----	0.0	0.0
84	09/11/15	10:10	-----	0.0	0.0
85	09/11/15	10:11	-----	0.0	0.0
86	09/11/15	10:12	-----	0.0	0.0
87	09/11/15	10:13	-----	0.0	0.0
88	09/11/15	10:14	-----	0.0	0.0
89	09/11/15	10:15	-----	0.0	0.0
90	09/11/15	10:16	-----	0.0	0.0
91	09/11/15	10:17	-----	0.0	0.0
92	09/11/15	10:18	-----	0.0	0.0
93	09/11/15	10:19	-----	0.0	0.0
94	09/11/15	10:20	-----	0.0	0.0
95	09/11/15	10:21	-----	0.0	0.0
96	09/11/15	10:22	-----	0.0	0.1
97	09/11/15	10:23	-----	0.0	0.1
98	09/11/15	10:24	-----	0.0	0.0
99	09/11/15	10:25	-----	0.0	0.0
100	09/11/15	10:26	-----	0.0	0.0
101	09/11/15	10:27	-----	0.0	0.0
102	09/11/15	10:28	-----	0.0	0.0
103	09/11/15	10:29	-----	0.0	0.0
104	09/11/15	10:30	-----	0.0	0.0
105	09/11/15	10:31	-----	0.0	0.0
106	09/11/15	10:32	-----	0.0	0.0
107	09/11/15	10:33	-----	0.0	0.0
108	09/11/15	10:34	-----	0.0	0.0
109	09/11/15	10:35	-----	0.0	0.1

110	09/11/15	10:36	-----	0.0	0.1
111	09/11/15	10:37	-----	0.0	0.1
112	09/11/15	10:38	-----	0.0	0.1
113	09/11/15	10:39	-----	0.0	0.1
114	09/11/15	10:40	-----	0.0	0.1
115	09/11/15	10:41	-----	0.0	0.1
116	09/11/15	10:42	-----	0.0	0.1
117	09/11/15	10:43	-----	0.0	0.1
118	09/11/15	10:44	-----	0.0	0.1
119	09/11/15	10:45	-----	0.0	0.1
120	09/11/15	10:46	-----	0.0	0.1
121	09/11/15	10:47	-----	0.0	0.1
122	09/11/15	10:48	-----	0.0	0.1
123	09/11/15	10:49	-----	0.0	0.1
124	09/11/15	10:50	-----	0.0	0.1
125	09/11/15	10:51	-----	0.0	0.1
126	09/11/15	10:52	-----	0.0	0.1
127	09/11/15	10:53	-----	0.0	0.1
128	09/11/15	10:54	-----	0.0	0.1
129	09/11/15	10:55	-----	0.0	0.1
130	09/11/15	10:56	-----	0.0	0.1
131	09/11/15	10:57	-----	0.0	0.1
132	09/11/15	10:58	-----	0.0	0.1
133	09/11/15	10:59	-----	0.0	0.1
134	09/11/15	11:00	-----	0.0	0.1
135	09/11/15	11:01	-----	0.0	0.1
136	09/11/15	11:02	-----	0.0	0.1
137	09/11/15	11:03	-----	0.0	0.1
138	09/11/15	11:04	-----	0.0	0.1
139	09/11/15	11:05	-----	0.0	0.1
140	09/11/15	11:06	-----	0.0	0.1
141	09/11/15	11:07	-----	0.0	0.1
142	09/11/15	11:08	-----	0.0	0.1
143	09/11/15	11:09	-----	0.0	0.1
144	09/11/15	11:10	-----	0.0	0.1
145	09/11/15	11:11	-----	0.0	0.1
146	09/11/15	11:12	-----	0.0	0.1
147	09/11/15	11:13	-----	0.0	0.1
148	09/11/15	11:14	-----	0.0	0.1
149	09/11/15	11:15	-----	0.0	0.1
150	09/11/15	11:16	-----	0.0	0.0
151	09/11/15	11:17	-----	0.0	0.1
152	09/11/15	11:18	-----	0.0	0.0
153	09/11/15	11:19	-----	0.0	0.1
154	09/11/15	11:20	-----	0.0	0.1
155	09/11/15	11:21	-----	0.0	0.0
156	09/11/15	11:22	-----	0.0	0.1
157	09/11/15	11:23	-----	0.0	0.1
158	09/11/15	11:24	-----	0.0	0.1
159	09/11/15	11:25	-----	0.0	0.1
160	09/11/15	11:26	-----	0.0	0.0
161	09/11/15	11:27	-----	0.0	0.1
162	09/11/15	11:28	-----	0.0	0.1
163	09/11/15	11:29	-----	0.0	0.1
164	09/11/15	11:30	-----	0.0	0.1
165	09/11/15	11:31	-----	0.0	0.1
166	09/11/15	11:32	-----	0.0	0.0
167	09/11/15	11:33	-----	0.0	0.1
168	09/11/15	11:34	-----	0.0	0.1
169	09/11/15	11:35	-----	0.0	0.1

170	09/11/15	11:36	-----	0.0	0.1
171	09/11/15	11:37	-----	0.0	0.1
172	09/11/15	11:38	-----	0.0	0.1
173	09/11/15	11:39	-----	0.0	0.1
174	09/11/15	11:40	-----	0.0	0.1
175	09/11/15	11:41	-----	0.0	0.1
176	09/11/15	11:42	-----	0.0	0.1
177	09/11/15	11:43	-----	0.0	0.1
178	09/11/15	11:44	-----	0.0	0.1
179	09/11/15	11:45	-----	0.0	0.1
180	09/11/15	11:46	-----	0.0	0.1
181	09/11/15	11:47	-----	0.0	0.1
182	09/11/15	11:48	-----	0.0	0.1
183	09/11/15	11:49	-----	0.0	0.1
184	09/11/15	11:50	-----	0.0	0.1
185	09/11/15	11:51	-----	0.0	0.1
186	09/11/15	11:52	-----	0.0	0.1
187	09/11/15	11:53	-----	0.0	0.1
188	09/11/15	11:54	-----	0.0	0.1
189	09/11/15	11:55	-----	0.0	0.1
190	09/11/15	11:56	-----	0.0	0.1
191	09/11/15	11:57	-----	0.0	0.1
192	09/11/15	11:58	-----	0.0	0.1
193	09/11/15	11:59	-----	0.0	0.1
194	09/11/15	12:00	-----	0.0	0.1
195	09/11/15	12:01	-----	0.0	0.1
196	09/11/15	12:02	-----	0.0	0.1
197	09/11/15	12:03	-----	0.0	0.1
198	09/11/15	12:04	-----	0.0	0.1
199	09/11/15	12:05	-----	0.0	0.0
200	09/11/15	12:06	-----	0.0	0.1
201	09/11/15	12:07	-----	0.0	0.1
202	09/11/15	12:08	-----	0.0	0.1
203	09/11/15	12:09	-----	0.0	0.1
204	09/11/15	12:10	-----	0.0	0.1
205	09/11/15	12:11	-----	0.0	0.1
206	09/11/15	12:12	-----	0.0	0.1
207	09/11/15	12:13	-----	0.0	0.1
208	09/11/15	12:14	-----	0.0	0.1
209	09/11/15	12:15	-----	0.0	0.1
210	09/11/15	12:16	-----	0.0	0.1
211	09/11/15	12:17	-----	0.0	0.1
212	09/11/15	12:18	-----	0.0	0.1
213	09/11/15	12:19	-----	0.0	0.1
214	09/11/15	12:20	-----	0.0	0.1
215	09/11/15	12:21	-----	0.0	0.1
216	09/11/15	12:22	-----	0.0	0.1
217	09/11/15	12:23	-----	0.0	0.1
218	09/11/15	12:24	-----	0.0	0.1
219	09/11/15	12:25	-----	0.0	0.1
220	09/11/15	12:26	-----	0.0	0.0
221	09/11/15	12:27	-----	0.0	0.0
222	09/11/15	12:28	-----	0.0	0.0
223	09/11/15	12:29	-----	0.0	0.0
224	09/11/15	12:30	-----	0.0	0.0
225	09/11/15	12:31	-----	0.0	0.0
226	09/11/15	12:32	-----	0.0	0.0
227	09/11/15	12:33	-----	0.0	0.0
228	09/11/15	12:34	-----	0.0	0.0
229	09/11/15	12:35	-----	0.0	0.0

230	09/11/15	12:36	-----	0.0	0.0
231	09/11/15	12:37	-----	0.0	0.0
232	09/11/15	12:38	-----	0.0	0.0
233	09/11/15	12:39	-----	0.0	0.0
234	09/11/15	12:40	-----	0.0	0.0
235	09/11/15	12:41	-----	0.0	0.0
236	09/11/15	12:42	-----	0.0	0.0
237	09/11/15	12:43	-----	0.0	0.0
238	09/11/15	12:44	-----	0.0	0.0
239	09/11/15	12:45	-----	0.0	0.0
240	09/11/15	12:46	-----	0.0	0.0
241	09/11/15	12:47	-----	0.0	0.0
242	09/11/15	12:48	-----	0.0	0.0
243	09/11/15	12:49	-----	0.0	0.0
244	09/11/15	12:50	-----	0.0	0.0
245	09/11/15	12:51	-----	0.0	0.0
246	09/11/15	12:52	-----	0.0	0.0
247	09/11/15	12:53	-----	0.0	0.0
248	09/11/15	12:54	-----	0.0	0.0
249	09/11/15	12:55	-----	0.0	0.0
250	09/11/15	12:56	-----	0.0	0.0
251	09/11/15	12:57	-----	0.0	0.0
252	09/11/15	12:58	-----	0.0	0.0
253	09/11/15	12:59	-----	0.0	0.0
254	09/11/15	1:00	-----	0.0	0.0
255	09/11/15	1:01	-----	0.0	0.0
256	09/11/15	1:02	-----	0.0	0.0
257	09/11/15	1:03	-----	0.0	0.0
258	09/11/15	1:04	-----	0.0	0.0
259	09/11/15	1:05	-----	0.0	0.0
260	09/11/15	1:06	-----	0.0	0.0
261	09/11/15	1:07	-----	0.0	0.0
262	09/11/15	1:08	-----	0.0	0.0
263	09/11/15	1:09	-----	0.0	0.0
264	09/11/15	1:10	-----	0.0	0.0
265	09/11/15	1:11	-----	0.0	0.0
266	09/11/15	1:12	-----	0.0	0.0
267	09/11/15	1:13	-----	0.0	0.0
268	09/11/15	1:14	-----	0.0	0.0
269	09/11/15	1:15	-----	0.0	0.0
270	09/11/15	1:16	-----	0.0	0.0
271	09/11/15	1:17	-----	0.0	0.0
272	09/11/15	1:18	-----	0.0	0.0
273	09/11/15	1:19	-----	0.0	0.0
274	09/11/15	1:20	-----	0.0	0.0
275	09/11/15	1:21	-----	0.0	0.0
276	09/11/15	1:22	-----	0.0	0.0
277	09/11/15	1:23	-----	0.0	0.0
278	09/11/15	1:24	-----	0.0	0.0
279	09/11/15	1:25	-----	0.0	0.0
280	09/11/15	1:26	-----	0.0	0.0
281	09/11/15	1:27	-----	0.0	0.1
282	09/11/15	1:28	-----	0.0	0.1
283	09/11/15	1:29	-----	0.0	0.1
284	09/11/15	1:30	-----	0.0	0.1
285	09/11/15	1:31	-----	0.0	0.1
286	09/11/15	1:32	-----	0.0	0.1
287	09/11/15	1:33	-----	0.0	0.1
288	09/11/15	1:34	-----	0.0	0.1
289	09/11/15	1:35	-----	0.0	0.1



290	09/11/15	1:36	-----	0.0	0.0
291	09/11/15	1:37	-----	0.0	0.1
292	09/11/15	1:38	-----	0.0	0.1
293	09/11/15	1:39	-----	0.0	0.1
294	09/11/15	1:40	-----	0.0	0.1
295	09/11/15	1:41	-----	0.0	0.1
296	09/11/15	1:42	-----	0.0	0.1
297	09/11/15	1:43	-----	0.0	0.1
298	09/11/15	1:44	-----	0.0	0.1

pDR-1000 S/N: 00000

Tag Number: 06

Number of Logged Points: 339

Start time and date: 08:39:00 10-Sept

Elapsed time: 05:38:00

Logging period (sec) : 60

Calibration Factor (%) : 100

Max Display Concentration: 0.004

Time at maximum: 2:05

Max STEL Concentration : 0.000 mg/m3

Time at max STEL: 0:00 Sept 10

Overall Avg Conc: 0.000 mg/m3

Logged Data:

Point	, Date	, Time	, Avg. (mg/m3)
1	10 Sept	8:39	0.000
2	10 Sept	8:40	0.000
3	10 Sept	8:41	0.003
4	10 Sept	8:42	0.002
5	10 Sept	8:43	0.001
6	10 Sept	8:44	0.000
7	10 Sept	8:45	0.000
8	10 Sept	8:46	0.001
9	10 Sept	8:47	0.000
10	10 Sept	8:48	0.000
11	10 Sept	8:49	0.001
12	10 Sept	8:50	0.004
13	10 Sept	8:51	0.004
14	10 Sept	8:52	0.000
15	10 Sept	8:53	0.000
16	10 Sept	8:54	0.000
17	10 Sept	8:55	0.000
18	10 Sept	8:56	0.002
19	10 Sept	8:57	0.000
20	10 Sept	8:58	0.002
21	10 Sept	8:59	0.002
22	10 Sept	9:00	0.001
23	10 Sept	9:01	0.000
24	10 Sept	9:02	0.000
25	10 Sept	9:03	0.000
26	10 Sept	9:04	0.000
27	10 Sept	9:05	0.000
28	10 Sept	9:06	0.001
29	10 Sept	9:07	0.000
30	10 Sept	9:08	0.000
31	10 Sept	9:09	0.000
32	10 Sept	9:10	0.000
33	10 Sept	9:11	0.000
34	10 Sept	9:12	0.000
35	10 Sept	9:13	0.002
36	10 Sept	9:14	0.000
37	10 Sept	9:15	0.003
38	10 Sept	9:16	0.002
39	10 Sept	9:17	0.001
40	10 Sept	9:18	0.000
41	10 Sept	9:19	0.000
42	10 Sept	9:20	0.000
43	10 Sept	9:21	0.000
44	10 Sept	9:22	0.000
45	10 Sept	9:23	0.001
46	10 Sept	9:24	0.002

47	10 Sept	9:25	0.004
48	10 Sept	9:26	0.000
49	10 Sept	9:27	0.000
50	10 Sept	9:28	0.000
51	10 Sept	9:29	0.000
52	10 Sept	9:30	0.000
53	10 Sept	9:31	0.000
54	10 Sept	9:32	0.000
55	10 Sept	9:33	0.001
56	10 Sept	9:34	0.002
57	10 Sept	9:35	0.004
58	10 Sept	9:36	0.000
59	10 Sept	9:37	0.000
60	10 Sept	9:38	0.000
61	10 Sept	9:39	0.000
62	10 Sept	9:40	0.001
63	10 Sept	9:41	0.001
64	10 Sept	9:42	0.003
65	10 Sept	9:43	0.002
66	10 Sept	9:44	0.000
67	10 Sept	9:45	0.003
68	10 Sept	9:46	0.002
69	10 Sept	9:47	0.001
70	10 Sept	9:48	0.000
71	10 Sept	9:49	0.000
72	10 Sept	9:50	0.000
73	10 Sept	9:51	0.000
74	10 Sept	9:52	0.000
75	10 Sept	9:53	0.001
76	10 Sept	9:54	0.002
77	10 Sept	9:55	0.004
78	10 Sept	9:56	0.000
79	10 Sept	9:57	0.000
80	10 Sept	9:58	0.000
81	10 Sept	9:59	0.000
82	10 Sept	10:00	0.001
83	10 Sept	10:01	0.001
84	10 Sept	10:02	0.003
85	10 Sept	10:03	0.002
86	10 Sept	10:04	0.000
87	10 Sept	10:05	0.003
88	10 Sept	10:06	0.002
89	10 Sept	10:07	0.001
90	10 Sept	10:08	0.000
91	10 Sept	10:09	0.000
92	10 Sept	10:10	0.000
93	10 Sept	10:11	0.000
94	10 Sept	10:12	0.000
95	10 Sept	10:13	0.001
96	10 Sept	10:14	0.002
97	10 Sept	10:15	0.004
98	10 Sept	10:16	0.000
99	10 Sept	10:17	0.000
100	10 Sept	10:18	0.000
101	10 Sept	10:19	0.000
102	10 Sept	10:20	0.001
103	10 Sept	10:21	0.001
104	10 Sept	10:22	0.003
105	10 Sept	10:23	0.002
106	10 Sept	10:24	0.000

107	10 Sept	10:25	0.003
108	10 Sept	10:26	0.002
109	10 Sept	10:27	0.001
110	10 Sept	10:28	0.001
111	10 Sept	10:29	0.000
112	10 Sept	10:30	0.000
113	10 Sept	10:31	0.000
114	10 Sept	10:32	0.000
115	10 Sept	10:33	0.001
116	10 Sept	10:34	0.002
117	10 Sept	10:35	0.004
118	10 Sept	10:36	0.000
119	10 Sept	10:37	0.000
120	10 Sept	10:38	0.000
121	10 Sept	10:39	0.000
122	10 Sept	10:40	0.001
123	10 Sept	10:41	0.001
124	10 Sept	10:42	0.003
125	10 Sept	10:43	0.002
126	10 Sept	10:44	0.000
127	10 Sept	10:45	0.003
128	10 Sept	10:46	0.002
129	10 Sept	10:47	0.001
130	10 Sept	10:48	0.000
131	10 Sept	10:49	0.000
132	10 Sept	10:50	0.000
133	10 Sept	10:51	0.000
134	10 Sept	10:52	0.000
135	10 Sept	10:53	0.001
136	10 Sept	10:54	0.002
137	10 Sept	10:55	0.001
138	10 Sept	10:56	0.000
139	10 Sept	10:57	0.000
140	10 Sept	10:58	0.000
141	10 Sept	10:59	0.002
142	10 Sept	11:00	0.003
143	10 Sept	11:01	0.000
144	10 Sept	11:02	0.001
145	10 Sept	11:03	0.001
146	10 Sept	11:04	0.002
147	10 Sept	11:05	0.000
148	10 Sept	11:06	0.000
149	10 Sept	11:07	0.003
150	10 Sept	11:08	0.002
151	10 Sept	11:09	0.000
152	10 Sept	11:10	0.004
153	10 Sept	11:11	0.002
154	10 Sept	11:12	0.002
155	10 Sept	11:13	0.000
156	10 Sept	11:14	0.000
157	10 Sept	11:15	0.003
158	10 Sept	11:16	0.002
159	10 Sept	11:17	0.000
160	10 Sept	11:18	0.004
161	10 Sept	11:19	0.002
162	10 Sept	11:20	0.002
163	10 Sept	11:21	0.000
164	10 Sept	11:22	0.000
165	10 Sept	11:23	0.003
166	10 Sept	11:24	0.002

167	10 Sept	11:25	0.000
168	10 Sept	11:26	0.004
169	10 Sept	11:27	0.002
170	10 Sept	11:28	0.002
171	10 Sept	11:29	0.000
172	10 Sept	11:30	0.000
173	10 Sept	11:31	0.003
174	10 Sept	11:32	0.002
175	10 Sept	11:33	0.000
176	10 Sept	11:34	0.004
177	10 Sept	11:35	0.002
178	10 Sept	11:36	0.001
179	10 Sept	11:37	0.000
180	10 Sept	11:38	0.000
181	10 Sept	11:39	0.000
182	10 Sept	11:40	0.000
183	10 Sept	11:41	0.000
184	10 Sept	11:42	0.001
185	10 Sept	11:43	0.002
186	10 Sept	11:44	0.004
187	10 Sept	11:45	0.000
188	10 Sept	11:46	0.000
189	10 Sept	11:47	0.000
190	10 Sept	11:48	0.000
191	10 Sept	11:49	0.001
192	10 Sept	11:50	0.001
193	10 Sept	11:51	0.003
194	10 Sept	11:52	0.001
195	10 Sept	11:53	0.000
196	10 Sept	11:54	0.000
197	10 Sept	11:55	0.000
198	10 Sept	11:56	0.000
199	10 Sept	11:57	0.000
200	10 Sept	11:58	0.001
201	10 Sept	11:59	0.002
202	10 Sept	12:00	0.002
203	10 Sept	12:01	0.000
204	10 Sept	12:02	0.000
205	10 Sept	12:03	0.000
206	10 Sept	12:04	0.000
207	10 Sept	12:05	0.001
208	10 Sept	12:06	0.001
209	10 Sept	12:07	0.003
210	10 Sept	12:08	0.001
211	10 Sept	12:09	0.000
212	10 Sept	12:10	0.000
213	10 Sept	12:11	0.000
214	10 Sept	12:12	0.000
215	10 Sept	12:13	0.000
216	10 Sept	12:14	0.001
217	10 Sept	12:15	0.002
218	10 Sept	12:16	0.004
219	10 Sept	12:17	0.000
220	10 Sept	12:18	0.000
221	10 Sept	12:19	0.000
222	10 Sept	12:20	0.000
223	10 Sept	12:21	0.001
224	10 Sept	12:22	0.001
225	10 Sept	12:23	0.003
226	10 Sept	12:24	0.002

227	10 Sept	12:25	0.002
228	10 Sept	12:26	0.000
229	10 Sept	12:27	0.000
230	10 Sept	12:28	0.003
231	10 Sept	12:29	0.002
232	10 Sept	12:30	0.000
233	10 Sept	12:31	0.004
234	10 Sept	12:32	0.002
235	10 Sept	12:33	0.001
236	10 Sept	12:34	0.000
237	10 Sept	12:35	0.000
238	10 Sept	12:36	0.000
239	10 Sept	12:37	0.000
240	10 Sept	12:38	0.000
241	10 Sept	12:39	0.001
242	10 Sept	12:40	0.002
243	10 Sept	12:41	0.004
244	10 Sept	12:42	0.000
245	10 Sept	12:43	0.000
246	10 Sept	12:44	0.000
247	10 Sept	12:45	0.000
248	10 Sept	12:46	0.001
249	10 Sept	12:47	0.001
250	10 Sept	12:48	0.003
251	10 Sept	12:49	0.001
252	10 Sept	12:50	0.000
253	10 Sept	12:51	0.000
254	10 Sept	12:52	0.000
255	10 Sept	12:53	0.000
256	10 Sept	12:54	0.000
257	10 Sept	12:55	0.001
258	10 Sept	12:56	0.002
259	10 Sept	12:57	0.004
260	10 Sept	12:58	0.000
261	10 Sept	12:59	0.000
262	10 Sept	1:00	0.000
263	10 Sept	1:01	0.003
264	10 Sept	1:02	0.002
265	10 Sept	1:03	0.000
266	10 Sept	1:04	0.004
267	10 Sept	1:05	0.002
268	10 Sept	1:06	0.001
269	10 Sept	1:07	0.000
270	10 Sept	1:08	0.000
271	10 Sept	1:09	0.000
272	10 Sept	1:10	0.000
273	10 Sept	1:11	0.000
274	10 Sept	1:12	0.001
275	10 Sept	1:13	0.002
276	10 Sept	1:14	0.004
277	10 Sept	1:15	0.000
278	10 Sept	1:16	0.000
279	10 Sept	1:17	0.000
280	10 Sept	1:18	0.000
281	10 Sept	1:19	0.003
282	10 Sept	1:20	0.002
283	10 Sept	1:21	0.000
284	10 Sept	1:22	0.003
285	10 Sept	1:23	0.002
286	10 Sept	1:24	0.001

287	10 Sept	1:25	0.000
288	10 Sept	1:26	0.000
289	10 Sept	1:27	0.000
290	10 Sept	1:28	0.000
291	10 Sept	1:29	0.000
292	10 Sept	1:30	0.001
293	10 Sept	1:31	0.002
294	10 Sept	1:32	0.000
295	10 Sept	1:33	0.003
296	10 Sept	1:34	0.000
297	10 Sept	1:35	0.000
298	10 Sept	1:36	0.000
299	10 Sept	1:37	0.001
300	10 Sept	1:38	0.002
301	10 Sept	1:39	0.004
302	10 Sept	1:40	0.000
303	10 Sept	1:41	0.000
304	10 Sept	1:42	0.000
305	10 Sept	1:43	0.000
306	10 Sept	1:44	0.001
307	10 Sept	1:45	0.001
308	10 Sept	1:46	0.003
309	10 Sept	1:47	0.001
310	10 Sept	1:48	0.000
311	10 Sept	1:49	0.000
312	10 Sept	1:50	0.000
313	10 Sept	1:51	0.000
314	10 Sept	1:52	0.000
315	10 Sept	1:53	0.001
316	10 Sept	1:54	0.002
317	10 Sept	1:55	0.004
318	10 Sept	1:56	0.000
319	10 Sept	1:57	0.000
320	10 Sept	1:58	0.000
321	10 Sept	1:59	0.000
322	10 Sept	2:00	0.001
323	10 Sept	2:01	0.001
324	10 Sept	2:02	0.003
325	10 Sept	2:03	0.001
326	10 Sept	2:04	0.000
327	10 Sept	2:05	0.004
328	10 Sept	2:06	0.000
329	10 Sept	2:07	0.000
330	10 Sept	2:08	0.000
331	10 Sept	2:09	0.002
332	10 Sept	2:10	0.002
333	10 Sept	2:11	0.004
334	10 Sept	2:12	0.000
335	10 Sept	2:13	0.000
336	10 Sept	2:14	0.000
337	10 Sept	2:15	0.000
338	10 Sept	2:16	0.001
339	10 Sept	2:17	0.001

pDR-1000 S/N: 00000

Tag Number: 06

Number of Logged Points: 312

Start time and date: 08:50:00 11-Sept

Elapsed time: 05:11:00

Logging period (sec) : 60

Calibration Factor (%) : 100

Max Display Concentration: 0.005

Time at maximum: 1:55

Max STEL Concentration : 0.000 mg/m3

Time at max STEL: 0:00 Sept 11

Overall Avg Conc: 0.000 mg/m3

Logged Data:

Point	Date	Time	Avg. (mg/m3)
1	11 Sept	8:50	0.000
2	11 Sept	8:51	0.000
3	11 Sept	8:52	0.000
4	11 Sept	8:53	0.000
5	11 Sept	8:54	0.000
6	11 Sept	8:55	0.000
7	11 Sept	8:56	0.002
8	11 Sept	8:57	0.000
9	11 Sept	8:58	0.002
10	11 Sept	8:59	0.002
11	11 Sept	9:00	0.001
12	11 Sept	9:01	0.000
13	11 Sept	9:02	0.000
14	11 Sept	9:03	0.000
15	11 Sept	9:04	0.000
16	11 Sept	9:05	0.000
17	11 Sept	9:06	0.001
18	11 Sept	9:07	0.001
19	11 Sept	9:08	0.002
20	11 Sept	9:09	0.004
21	11 Sept	9:10	0.000
22	11 Sept	9:11	0.004
23	11 Sept	9:12	0.000
24	11 Sept	9:13	0.002
25	11 Sept	9:14	0.000
26	11 Sept	9:15	0.003
27	11 Sept	9:16	0.002
28	11 Sept	9:17	0.001
29	11 Sept	9:18	0.000
30	11 Sept	9:19	0.000
31	11 Sept	9:20	0.000
32	11 Sept	9:21	0.000
33	11 Sept	9:22	0.000
34	11 Sept	9:23	0.001
35	11 Sept	9:24	0.000
36	11 Sept	9:25	0.000
37	11 Sept	9:26	0.000
38	11 Sept	9:27	0.000
39	11 Sept	9:28	0.000
40	11 Sept	9:29	0.000
41	11 Sept	9:30	0.000
42	11 Sept	9:31	0.000
43	11 Sept	9:32	0.000
44	11 Sept	9:33	0.001
45	11 Sept	9:34	0.003
46	11 Sept	9:35	0.004



47	11 Sept	9:36	0.000
48	11 Sept	9:37	0.000
49	11 Sept	9:38	0.000
50	11 Sept	9:39	0.000
51	11 Sept	9:40	0.001
52	11 Sept	9:41	0.001
53	11 Sept	9:42	0.003
54	11 Sept	9:43	0.002
55	11 Sept	9:44	0.000
56	11 Sept	9:45	0.003
57	11 Sept	9:46	0.002
58	11 Sept	9:47	0.003
59	11 Sept	9:48	0.000
60	11 Sept	9:49	0.000
61	11 Sept	9:50	0.000
62	11 Sept	9:51	0.000
63	11 Sept	9:52	0.000
64	11 Sept	9:53	0.001
65	11 Sept	9:54	0.002
66	11 Sept	9:55	0.004
67	11 Sept	9:56	0.000
68	11 Sept	9:57	0.000
69	11 Sept	9:58	0.000
70	11 Sept	9:59	0.000
71	11 Sept	10:00	0.001
72	11 Sept	10:01	0.001
73	11 Sept	10:02	0.003
74	11 Sept	10:03	0.002
75	11 Sept	10:04	0.000
76	11 Sept	10:05	0.003
77	11 Sept	10:06	0.002
78	11 Sept	10:07	0.001
79	11 Sept	10:08	0.000
80	11 Sept	10:09	0.000
81	11 Sept	10:10	0.000
82	11 Sept	10:11	0.000
83	11 Sept	10:12	0.000
84	11 Sept	10:13	0.001
85	11 Sept	10:14	0.002
86	11 Sept	10:15	0.004
87	11 Sept	10:16	0.000
88	11 Sept	10:17	0.000
89	11 Sept	10:18	0.000
90	11 Sept	10:19	0.000
91	11 Sept	10:20	0.001
92	11 Sept	10:21	0.001
93	11 Sept	10:22	0.003
94	11 Sept	10:23	0.002
95	11 Sept	10:24	0.000
96	11 Sept	10:25	0.003
97	11 Sept	10:26	0.000
98	11 Sept	10:27	0.001
99	11 Sept	10:28	0.001
100	11 Sept	10:29	0.000
101	11 Sept	10:30	0.000
102	11 Sept	10:31	0.000
103	11 Sept	10:32	0.000
104	11 Sept	10:33	0.001
105	11 Sept	10:34	0.002
106	11 Sept	10:35	0.004

107	11 Sept	10:36	0.000
108	11 Sept	10:37	0.000
109	11 Sept	10:38	0.000
110	11 Sept	10:39	0.000
111	11 Sept	10:40	0.001
112	11 Sept	10:41	0.001
113	11 Sept	10:42	0.003
114	11 Sept	10:43	0.002
115	11 Sept	10:44	0.000
116	11 Sept	10:45	0.003
117	11 Sept	10:46	0.002
118	11 Sept	10:47	0.001
119	11 Sept	10:48	0.000
120	11 Sept	10:49	0.000
121	11 Sept	10:50	0.000
122	11 Sept	10:51	0.000
123	11 Sept	10:52	0.000
124	11 Sept	10:53	0.001
125	11 Sept	10:54	0.002
126	11 Sept	10:55	0.001
127	11 Sept	10:56	0.000
128	11 Sept	10:57	0.000
129	11 Sept	10:58	0.000
130	11 Sept	10:59	0.002
131	11 Sept	11:00	0.003
132	11 Sept	11:01	0.000
133	11 Sept	11:02	0.001
134	11 Sept	11:03	0.001
135	11 Sept	11:04	0.002
136	11 Sept	11:05	0.000
137	11 Sept	11:06	0.000
138	11 Sept	11:07	0.003
139	11 Sept	11:08	0.002
140	11 Sept	11:09	0.000
141	11 Sept	11:10	0.004
142	11 Sept	11:11	0.002
143	11 Sept	11:12	0.001
144	11 Sept	11:13	0.000
145	11 Sept	11:14	0.000
146	11 Sept	11:15	0.003
147	11 Sept	11:16	0.002
148	11 Sept	11:17	0.000
149	11 Sept	11:18	0.004
150	11 Sept	11:19	0.002
151	11 Sept	11:20	0.002
152	11 Sept	11:21	0.000
153	11 Sept	11:22	0.000
154	11 Sept	11:23	0.003
155	11 Sept	11:24	0.002
156	11 Sept	11:25	0.000
157	11 Sept	11:26	0.004
158	11 Sept	11:27	0.002
159	11 Sept	11:28	0.002
160	11 Sept	11:29	0.000
161	11 Sept	11:30	0.000
162	11 Sept	11:31	0.003
163	11 Sept	11:32	0.002
164	11 Sept	11:33	0.000
165	11 Sept	11:34	0.004
166	11 Sept	11:35	0.002

167	11 Sept	11:36	0.001
168	11 Sept	11:37	0.000
169	11 Sept	11:38	0.003
170	11 Sept	11:39	0.000
171	11 Sept	11:40	0.000
172	11 Sept	11:41	0.000
173	11 Sept	11:42	0.001
174	11 Sept	11:43	0.002
175	11 Sept	11:44	0.002
176	11 Sept	11:45	0.000
177	11 Sept	11:46	0.000
178	11 Sept	11:47	0.000
179	11 Sept	11:48	0.000
180	11 Sept	11:49	0.001
181	11 Sept	11:50	0.001
182	11 Sept	11:51	0.003
183	11 Sept	11:52	0.001
184	11 Sept	11:53	0.000
185	11 Sept	11:54	0.000
186	11 Sept	11:55	0.000
187	11 Sept	11:56	0.000
188	11 Sept	11:57	0.000
189	11 Sept	11:58	0.001
190	11 Sept	11:59	0.002
191	11 Sept	12:00	0.002
192	11 Sept	12:01	0.000
193	11 Sept	12:02	0.000
194	11 Sept	12:03	0.000
195	11 Sept	12:04	0.000
196	11 Sept	12:05	0.001
197	11 Sept	12:06	0.001
198	11 Sept	12:07	0.003
199	11 Sept	12:08	0.001
200	11 Sept	12:09	0.000
201	11 Sept	12:10	0.000
202	11 Sept	12:11	0.000
203	11 Sept	12:12	0.000
204	11 Sept	12:13	0.000
205	11 Sept	12:14	0.001
206	11 Sept	12:15	0.002
207	11 Sept	12:16	0.004
208	11 Sept	12:17	0.000
209	11 Sept	12:18	0.000
210	11 Sept	12:19	0.000
211	11 Sept	12:20	0.000
212	11 Sept	12:21	0.001
213	11 Sept	12:22	0.001
214	11 Sept	12:23	0.003
215	11 Sept	12:24	0.002
216	11 Sept	12:25	0.002
217	11 Sept	12:26	0.000
218	11 Sept	12:27	0.000
219	11 Sept	12:28	0.003
220	11 Sept	12:29	0.002
221	11 Sept	12:30	0.000
222	11 Sept	12:31	0.004
223	11 Sept	12:32	0.002
224	11 Sept	12:33	0.001
225	11 Sept	12:34	0.000
226	11 Sept	12:35	0.000

227	11 Sept	12:36	0.000
228	11 Sept	12:37	0.000
229	11 Sept	12:38	0.000
230	11 Sept	12:39	0.001
231	11 Sept	12:40	0.002
232	11 Sept	12:41	0.004
233	11 Sept	12:42	0.000
234	11 Sept	12:43	0.000
235	11 Sept	12:44	0.000
236	11 Sept	12:45	0.000
237	11 Sept	12:46	0.001
238	11 Sept	12:47	0.001
239	11 Sept	12:48	0.003
240	11 Sept	12:49	0.001
241	11 Sept	12:50	0.000
242	11 Sept	12:51	0.000
243	11 Sept	12:52	0.000
244	11 Sept	12:53	0.000
245	11 Sept	12:54	0.000
246	11 Sept	12:55	0.000
247	11 Sept	12:56	0.003
248	11 Sept	12:57	0.004
249	11 Sept	12:58	0.000
250	11 Sept	12:59	0.002
251	11 Sept	1:00	0.000
252	11 Sept	1:01	0.003
253	11 Sept	1:02	0.002
254	11 Sept	1:03	0.000
255	11 Sept	1:04	0.004
256	11 Sept	1:05	0.002
257	11 Sept	1:06	0.003
258	11 Sept	1:07	0.000
259	11 Sept	1:08	0.000
260	11 Sept	1:09	0.000
261	11 Sept	1:10	0.000
262	11 Sept	1:11	0.000
263	11 Sept	1:12	0.001
264	11 Sept	1:13	0.002
265	11 Sept	1:14	0.004
266	11 Sept	1:15	0.000
267	11 Sept	1:16	0.000
268	11 Sept	1:17	0.000
269	11 Sept	1:18	0.000
270	11 Sept	1:19	0.003
271	11 Sept	1:20	0.002
272	11 Sept	1:21	0.000
273	11 Sept	1:22	0.003
274	11 Sept	1:23	0.002
275	11 Sept	1:24	0.001
276	11 Sept	1:25	0.000
277	11 Sept	1:26	0.000
278	11 Sept	1:27	0.000
279	11 Sept	1:28	0.000
280	11 Sept	1:29	0.000
281	11 Sept	1:30	0.001
282	11 Sept	1:31	0.002
283	11 Sept	1:32	0.000
284	11 Sept	1:33	0.003
285	11 Sept	1:34	0.000
286	11 Sept	1:35	0.000

287	11 Sept	1:36	0.000
288	11 Sept	1:37	0.001
289	11 Sept	1:38	0.002
290	11 Sept	1:39	0.004
291	11 Sept	1:40	0.000
292	11 Sept	1:41	0.000
293	11 Sept	1:42	0.000
294	11 Sept	1:43	0.000
295	11 Sept	1:44	0.001
296	11 Sept	1:45	0.001
297	11 Sept	1:46	0.003
298	11 Sept	1:47	0.001
299	11 Sept	1:48	0.000
300	11 Sept	1:49	0.000
301	11 Sept	1:50	0.000
302	11 Sept	1:51	0.000
303	11 Sept	1:52	0.001
304	11 Sept	1:53	0.003
305	11 Sept	1:54	0.004
306	11 Sept	1:55	0.005
307	11 Sept	1:56	0.000
308	11 Sept	1:57	0.000
309	11 Sept	1:58	0.000
310	11 Sept	1:59	0.000
311	11 Sept	2:00	0.001
312	11 Sept	2:01	0.000