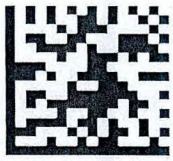

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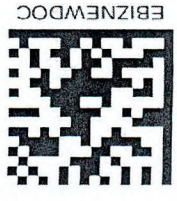
Workplan.HW336025.04-01-1985.RevisedSoilSamplingPlan

DO NOT PHOTOCOPY. PRINT FROM PDF VERSION ONLY.

EBIZNEWDOC



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336025

FRED C. HART ASSOCIATES, INC. • CONSULTANTS

530 FIFTH AVENUE, NEW YORK, N. Y. 10036 (212) 840-3990

March 26, 1985

Mr. Ram Pergadia
New York State Department of
Environmental Conservation
202 Mamaroneck Avenue
White Plains, NY 10601

Dear Mr. Pergadia:

Enclosed is a copy of the revised soil sampling program to be undertaken at General Switch in Wallkill, New York. The comments received from the NYSDEC on March 12, 1985 have been incorporated into this version of the plan. If you have any questions, please do not hesitate to call.

Sincerely,

FRED C. HART ASSOCIATES, INC.

David Lipsky /LET

David Lipsky
Manager, Public Health
and Chemistry Group

DL/cd
(A037F)

ATTACHMENT A

General Switch Soil Sampling Program

1.0 Introduction

The objective of the proposed soils investigation is to provide additional data regarding tetrachloroethylene and trichloroethylene concentrations in soils near and adjacent to the General Switch plant in Walkill, New York. The investigation is being undertaken by Fred C. Hart Associates (FCHA) for the General Switch Corporation (GSC).

2.0 Scope of Work

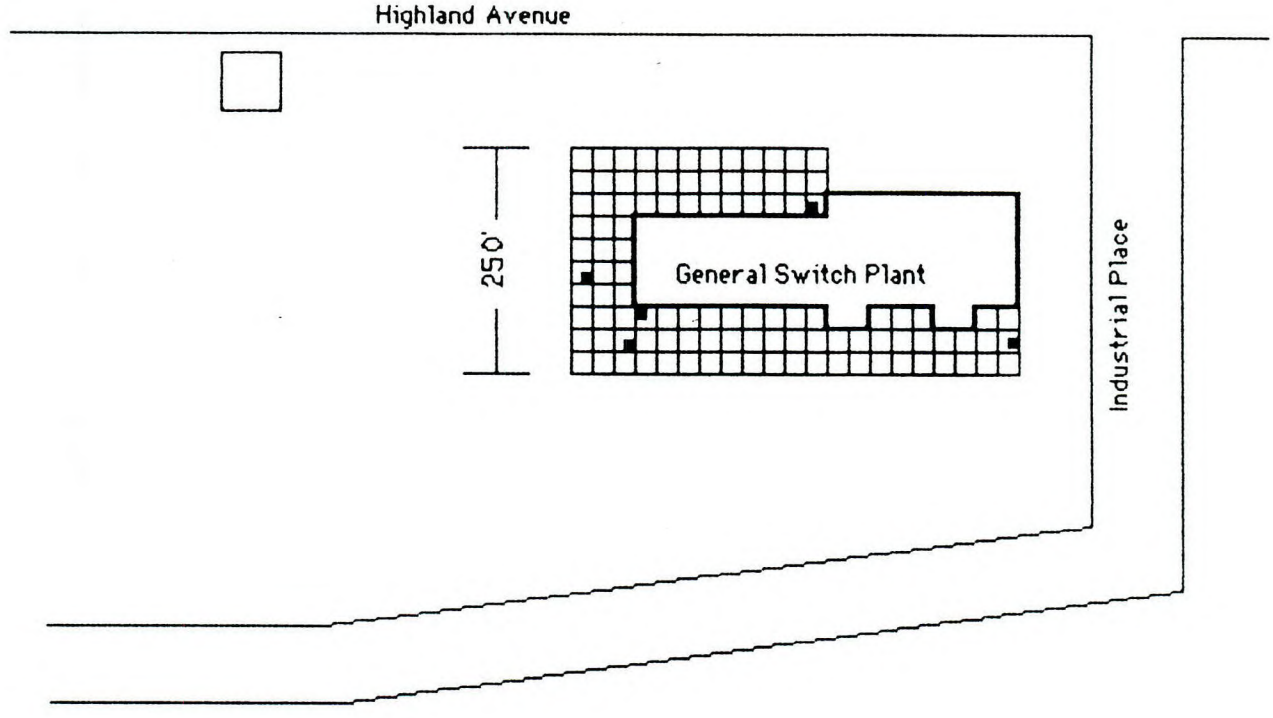
The scope of work for the soil investigation program includes the following tasks:

2.1 Clearances and Site Access

The proposed soils investigation will be undertaken using a backhoe to excavate pits in the study area shown in Figure 2-1. Due to the proximity of the utility lines to the General Switch building, accessibility of the backhoe to portions of the proposed study area may be difficult. Some minor road clearing work and/or regrading may be required. As part of this task, a short site visit will be arranged with the backhoe operator to avoid potential problems with test pit installation.

2.2 Survey Grid System

In order to establish centralized reference points from which to correlate the data generated by the soils investigation, a grid system will be staked out and tied into the Phase I grid. With the use of a Brunton compass, a "base-line" will be staked out and intervals of 25 feet will be measured along this line. Perpendicular lines at each 25 foot interval will complete the grid used for the OVA/M-Pacto Probe survey (Figure 2-1).



NOT TO SCALE

FIGURE 2-1

GRID LOCATION MAP

OVA M-PACTO PROBE STUDY

FRED C. HART ASSOCIATES, INC.

■ PROPOSED TEST PIT LOCATIONS

2.3 OVA/M-PACTO Probe Survey

An OVA/M-Pacto Probe survey will be conducted at the General Switch facility along the proposed grid system in order to determine if significant amounts of tetrachloroethylene or trichloroethylene are present in soil pore spaces at or just below ground surface. This technique will help select potential sampling locations.

Using an M-Pacto Probe, a small diameter hole (approximately 3/4") will be manually driven one to two feet into the ground at each grid station point. Immediately upon withdrawing the Probe, the inlet port of a Century Systems Model 128 Organic Vapor Analyzer (OVA) will be placed into the hole. The OVA will then be used in the survey mode to analyze for the presence of volatile organics trapped in the interstitial air space between the soil particles. The presence of above background concentrations of non-methane volatile organics is a positive indicator of underlying soil contamination.

For the purpose of this survey, the OVA will be used in the survey mode to provide a reading of the total concentration of volatile organics at each grid station point. The OVA is a portable gas chromatograph capable of detecting concentrations of volatile organics in air from a range of 1 to 1,000 parts per million (ppm). By shunting the air stream through a gas chromatograph column, the percentage of non-methane hydrocarbons will be determined. If above background concentrations of non-methane hydrocarbons are detected, the OVA will be operated in the GC mode to estimate tetrachloroethylene concentrations. The OVA will be calibrated so that the relative response of the instrument will be 100% for tetrachloroethylene.

2.4 Test Pits

Shallow excavations (test pits) will be constructed in order to provide direct observations of shallow subsurface conditions within the study area and allow for the collection of samples for chemical analyses. It is estimated that 8 test pits will be dug within the study area. The exact location of the test pits will be determined in the field, based upon the M-Pacto probe survey and previous soil sampling results. It is proposed

that three of the test pits will be located near the General Switch building in the areas of high OVA/M-Pacto probe readings reported in the Hydrogeological Investigation Report submitted to USEPA by General Switch on October 30, 1984. In addition, two test pits will be located on or near the location where samples #84-081-01 and #84-081-05 were collected by NYSDEC on March 3, 1984 (Figure 2-1).

A backhoe and professional operator will be used to dig the test pits. The excavations will be made under the direct supervision of an FCHA on-site hydrogeologist. Excavations will be made to a depth of approximately 6-8 feet. The on-site hydrogeologist will observe and prepare a descriptive log of the test pit excavations. Logs will include:

- soils classification
- stratification
- evidence of previous excavation or filling
- water seepage (elevation and rates)
- locations, number and type of samples
- photographs
- results of OVA scan (the walls of each test pit will be scanned with the OVA to identify those locations of non-methane hydrocarbons which are above background levels).

All test pits will be backfilled prior to the close of field operations on the day of excavation.

Soil samples will be collected for tetrachloroethylene and trichloroethylene analysis at 0-2, 2-4 and 4-6 foot vertical intervals in each of the eight test pits. Samples will be carved from the side walls of the test pit into a clean glass jar using a clean trowel. Prior to collecting the sample, the side wall of the test pit where the sample will be collected will be scraped clean of material that had been in contact with the backhoe. All trowels will be pre-cleaned with detergent and water followed by a distilled water rinse, an acetone rinse and air drying. All trowels will be stored wrapped in aluminum foil.

All samples will be placed in glass bottles with teflon-lined caps and stored on ice until shipment to the lab. All glassware will be supplied by Princeton Testing Laboratory, and will be cleaned according to EPA approved procedures by solvent rinsing and overnight baking. Three "worst case" soil samples will also be analyzed for priority pollutant purgable organic analysis. The estimated number of samples, including quality control samples, is provided below.

ESTIMATED NUMBER OF SAMPLES TO BE ANALYZED BY PTL

Matrix	Samples	Parameters	Replicates	Field Blanks
Test Pit Soil	24	Tetrachloroethyelene and Trichloroethylene	3	3
	3	P.P. VOA Scan	1	1

2.5 Reporting

A report will be prepared and submitted to NYSDEC within three weeks of receiving the analytical data. The report will provide the results of the investigation and all data. A three week turnaround time is anticipated for laboratory analysis.

3.0 Quality Assurance Project Plan

Project Name: General Switch - Soil Sampling Program
Date of Request: March 1985
Date of Project Initiation: April 1985
Project Director: David Lipsky, Ph.D.
Quality Assurance Officer: Frances Barker

3.1 Project Description

The objective of the soils investigation is to provide additional data regarding tetrachloroethylene or trichloroethylene concentrations in soils near and adjacent to the General Switch plant. It is proposed that eight test pits will be excavated to determine the areal and vertical extent of PCE contamination.

3.2 Projected Sampling Program

The following is a tabulation of our projected sampling program.

Parameter	Number of Samples	Sample Matrix	Analytical Method Reference	Sample Preservation	Holding Time
Tetrachloro-ethylene and Trichloro-ethylene	30	Soil	EPA Publication SW 846 Method 5030/ 8010	4°C	14 days
P.P. VOA	5	Soil	EPA Method 624	4°C	14 days

Zailkis, Wong and Sheffield, Analytical Chemistry, Vol. 55, p. 1848-1852.

3.3 Project Organization and Responsibility

Sampling Operations.

Soil - Tom Morahan. He will be responsible for obtaining soil samples from the proposed test pits. His responsibilities also include making field decisions regarding number of samples and sample location.

Sampling QC.

Frances Barker - Her responsibilities will include maintenance of chain-of-custody on all samples collected, verification with sampling team personnel of sampling techniques and quality control procedures before every on-site activity. She will also be responsible for prompt review of any quality control deviation utilized at the site.

Laboratory Analyses/QC.

Gene Denison, Ph.D. - Mr. Denison's responsibilities will include sample analyses on soil and water. He will also be responsible for quality control procedures and QC checks in Princeton Testing Laboratory for this project.

Data Processing Activities/QC.

No data processing will be used for tabulating this data since the amount of calculations to be done are minor. All calculations will be done by hand by a technician, rechecked by the technician, and then given a final check by Mr. Gene Denison.

3.4 Data Quality Requirements and Assessments

Table 3-1 provides the data quality requirements for this project.

Data Representativeness: All soil samples will be grab samples from a particular vertical depth of the soil column. Replicate soil samples will be screened in the field with an OVA and both "best case" and "worst case" samples will be submitted for laboratory analysis.

Data Comparability: All soil matrix samples will be reported as micrograms per gram (ppm). Sampling protocol will be strictly adhered to.

Data Completeness: Less than 100% of the samples may be collected due to poor recovery of soils from the test pits. The valid data required from the laboratory will be 90% of the samples submitted.

3.5 Sampling Procedures

Sampling procedures are provided in Section 2.4 of the Site Operations Plan.

3.6 Sample Custody Procedures

FCHA will perform all sampling and will retain custody until logging into the laboratory. All sample coolers will be sealed with a FCHA custody seal. Standard Field Data Sheets, and Chain-of-Custody Forms will be completed for each sample. The following information will be recorded on the Field Data Sheets, Analysis Request Forms, and serialized log committed to this site:

1. Where, exactly, was the sample taken?
2. Who took the sample, and who witnessed it?
3. All sampling parameters, i.e. type of material, weather on-site, type of sampling container and preparation, description of sampling procedure, preservation, and shipping.

TABLE 3-1

3.4 Data Quality Requirements and Assessments

Parameter	Sample Matrix	Detection* Limit	Quantitation Limit	Estimated Accuracy	Accuracy Protocol	Estimated Precision	Precision Protocol
Tetrachloroethylene and Trichloroethylene	Soil	4 ppb	Dependent on matrix typically - 10 ppb	90-110%	Tetrachloroethylene and Trichloroethylene spike of 10% of samples	± 10%	Duplicate spikes and/or spiked samples

* These detection limits are for direct injection analysis. If the purge and trap methodology is required, these detection limits will be: water - 1 ppb
soil - 2 ppb.

4. Diameter of casing and diameter of riser pipe.
5. Distance from top of casing to bottom of screen.
6. Distance from top of casing to water table.
7. Well volume calculation.
8. Volume of well purged, and pumping rate.

Princeton Testing laboratory will provide FCHA with all sample containers necessary for completing field sampling and QC requirements. All sample containers will be cleaned according to standard EPA protocols. Each lot of sample containers are checked for cleanliness by the laboratory. Following cleaning, each bottle will be closed to prevent contamination; labeled to indicate the tests, packaged to prevent breakage, and sent to the field for use. Field blanks, labels, etc., will be added as appropriate.

During the field studies, samples are received at the laboratory by the sample custodian who examines each sample to ensure that it is the expected sample, inspects the sample containers for possible damage, and ensures that the documentation is complete and adequate. The sample custodian will ensure that each sample has been preserved in the manner required by the particular test to be conducted and stored according to the correct procedure. Preservation and storage will require maintenance of 4°C until analysis begins.

3.7 Calibration Procedures, Preventive Maintenance, and Decontamination

The laboratory will use the analytical methods described in Section 3.2. Upon discovery of any deviation from the sampling plan or laboratory QA goals, the OSC will be notified and preventive maintenance measures and quality assurance checks will be performed. Laboratory calibration of GC instrumentation is performed every eight (8) hours.

A maintenance, calibration, and operation program will be implemented to ensure routine calibration and maintenance is performed on all field instruments. The program will be administered by the Quality Assurance Officer and the team members. The Quality Assurance Officer performs the scheduled monthly and annual calibration and maintenance; and trained staff

members perform field calibrations, checks and instrument maintenance prior to use.

The Century Systems OVA Model 128 will be the only piece of analytical field equipment used on this project and will be calibrated in the field using a tetrachloroethylene standard, prior to the start of the program. The scheduled annual maintenance will be performed by the manufacturer, and a trained staff member will perform an in-field calibration. Maintenance, calibration and equipment operation follow the procedures outlined in EPA's "Technical Methods for Investigation Sites Containing Hazardous Substances."

Team members are familiar with the field calibration, operation, and maintenance of the equipment, maintain proficiency and will perform the prescribed field operating procedures outlined in the Operation and Field Manuals, accompanying the respective instruments, and keep records of all field instrument calibrations and field checks in the field logbooks.

3.8 Documentation, Data Reduction and Reporting

Documentation. Sample labels will carry the following information:

1. Laboratory Sample Identification Number
2. Sample Identification Number (if different)
3. The Site Identification Code
4. The Sample Location Code
5. Date and Time of Sample Collection
6. Initials of the Person Collecting the Sample

All field data will be entered into bound notebooks. Field notebooks, Chain-of-Custody forms, field data sheets, and lab reports will be filed and stored at FCHA Offices, 530 Fifth Avenue, New York, New York.

3.9 Data Validation

The precision of the data submitted to FCHA by Princeton Testing will be checked by comparison of the analytical results with the QC samples. The data validity will also be assessed by comparison of field blanks, trip blanks, replicates and background samples with downgradient and on-site samples. The laboratory will critique its own analytical program by the use of spike addition recoveries, establishing detection limits for each matrix, precision and accuracy control charts, and keeping accurate records of instrument calibrations. Data validation will be the responsibility of FCHA in conjunction with the Princeton Testing Laboratory QA Officer.

3.10 Performance and Systems Audits

Princeton Testing, Inc. (N.J. Lab. Certification No. 1118) has recently analyzed performance evaluation samples from NJDEP. The sources of the performance evaluation samples, dates and parameters are tabulated as follows:

Source	Date	Parameters
Water Pollution	10/83	Microbiology Limited Chemistry Atomic Absorption Gas Chromatography
Drinking Water	10/83	Secondary Standards
Drinking Water	5/83	Primary Standards

3.11 Corrective Action Procedures

Corrective actions on a day-to-day basis for field sampling will be handled by consultation between the team member(s) and the project manager. The project manager will make immediate decisions with the team member(s) on new protocols to be followed. All changes in field sampling procedures will be documented in the field logbook and reported in the final report.

3.12 Report

The QC Report will be included with the report prepared by FCHA.

4.0 Health and Safety Plan

4.1 General Provisions

As a standard operating procedure, the investigation of hazardous sites requires the preparation of a site-specific safety plan that is representative of corporate health and safety policies. Responsibility for compliance with the safety plan resides with the corporate Health and Safety Officer and, in the field, with the designated site safety officer. The site safety officer will be a staff member with suitable training and experience.

Safety planning ensures the health and well-being of workers, requires team members to utilize appropriate gear for existing hazards, and requires team members to plan for emergencies.

The organization of the field team, site-specific safety requirements, contamination control zones, and decontamination procedures for this project are provided in the site-specific safety plan. The site-specific safety plan addresses the procedures for working in the potentially hazardous environment that will be encountered at the General Switch facility.

The site-specific safety plan is detailed in Table 4-1. The safety plan provides information on site/waste characterizations, hazards, work plan, investigation-derived material disposal plan, and emergency/contingency information.

4.2 Investigation Derived Material Disposal Plan

Field investigations, sampling activities, and remedial actions can result in the generation of contaminated materials. Proper presampling planning must include a management plan for the disposal of materials encountered during field investigations in order to minimize the impact to the environment and the risk to public health.

TABLE 4-1

FIELD INVESTIGATION TEAM
SITE SURVEY PLAN

A. GENERAL INFORMATION

SITE: General Switch PROJECT NO.: A042

LOCATION: Town of Walkill, N.Y.

PREPARED BY: Francie Barker DATE: 3/1/85

APPROVED BY: David Lipsky, PhD. DATE: 3/6/85

OBJECTIVE(S): Conduct a hydrogeological investigation to define the degree and extent of tetrachloroethylene contaminated soil and groundwater

PROPOSED DATE(S) OF INVESTIGATION: April, May, June, 1985

BACKGROUND REVIEW: COMPLETE: _____ PRELIMINARY: X

DOCUMENTATION/SUMMARY: OVERALL HAZARD: SERIOUS _____
MODERATE _____
LOW X
UNKNOWN _____

B. SITE/WASTE CHARACTERISTICS

WASTE TYPE(S): LIQUID X SOLID _____ SLUDGE _____ GAS _____

CHARACTERISTIC(S): CORROSIVE _____ IGNITABLE _____ RADIOACTIVE _____
VOLATILE X TOXIC X REACTIVE _____ UNKNOWN _____ OTHER (NAME): _____

FACILITY DESCRIPTION: Facility manufactures and stores various types of electrical equipment. Operation includes a tetrachloroethylene dip tank.

PRINCIPAL DISPOSAL METHOD (type and location): Unknown

UNUSUAL FEATURES (dike integrity, power lines, terrain, etc.) Utilities (electric, gas, etc) will have to be located prior to any subsurface activitie

STATUS: (active, inactive, unknown) Active

HISTORY: (Worker or non-worker injury; complaints from public; previous agency action): Cited for RCRA violation (Nov. 1983), prepared and completed consent order for the investigation and remediation of tetrachloroethylene problem.

C. HAZARD EVALUATION

Background information documents the contamination of soil and groundwater with tetrachloroethylene. No other contamination has been identified to date.

D. SITE SAFETY WORK PLAN

PERIMETER ESTABLISHMENT: MAP/SKETCH ATTACHED No SITE SECURED? Yes

PERIMETER IDENTIFIED Yes ZONE(S) IF CONTAINMENT IDENTIFIED? No

PERSONNEL PROTECTION

LEVEL OF PROTECTION: A ____ B ____ C ____ D X

MODIFICATIONS: All on-site investigation activities will be monitored with an OVA calibrated on tetrachloroethylene

SURVEILLANCE EQUIPMENT AND MATERIALS: OVA

DECONTAMINATION PROCEDURES: SOP for personnel

SPECIAL EQUIPMENT, FACILITIES, OR PROCEDURES: N/A

SITE ENTRY PROCEDURES: N/A

TEAM MEMBER (Major)	RESPONSIBILITY
Tom Morahan	Team Leader
Francie Barker	Safety Officer
David Lipsky, PhD	Project Director

WORK LIMITATIONS: (Time of day, etc.): Daylight Hours

INVESTIGATION-DERIVED MATERIAL DISPOSAL: See Section 5.2 of SOP

E. EMERGENCY INFORMATION

LOCAL RESOURCES

AMBULANCE (914) 343-2424

HOSPITAL EMERGENCY ROOM Horton Hospital (914) 343-2424

POISON CONTROL CENTER (800) 822-9761

POLICE (914) 343-3151

FIRE DEPARTMENT (914) 343-4169

AIRPORT

EXPLOSIVES UNIT

EPA CONTACT Pat Wells , Chief Hazardous Assessment Section (212) 264-0100

SITE RESOURCES

WATER SUPPLY Yes

TELEPHONE Yes

RADIO Yes

OTHER

EMERGENCY CONTACTS

FCHA- Dr. David Lipsky (212) 840-3990

NYDEC- Albert Klauss (914) 255-5453

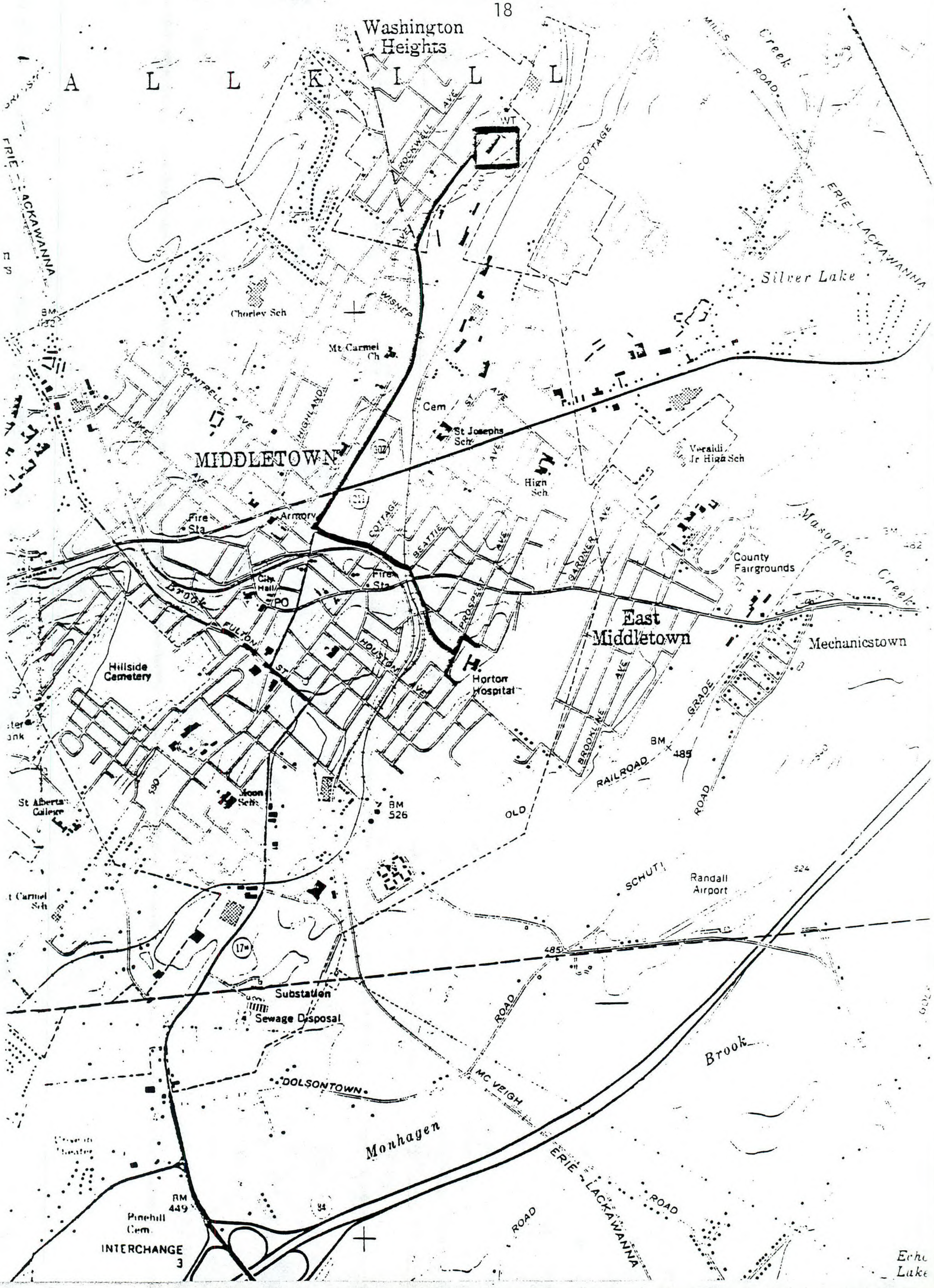
NYDEC- Louis A. Evans (914) 761-6660

F. EMERGENCY ROUTES

(give road or other directions; attach map)

HOSPITAL: (See attached map) Exit site on Highland Ave.
Left turn on West Main Street to Horton Hospital
on Prospect Street

OTHER: N/A


Washington Heights
A L L K I L L
ROCKWELL AVE
WT
COTTAGE
MILLS ROAD
Creek
ERIE - LACKAWANNA
Silver Lake
Chorley Sch
WISNER
Mt Carmel Ch
CANTRELL AVE
HIGHLAND
LAKE
Cem
ST AVE
St Josephs Sch
MIDDLETOWN
Veraldi Jr High Sch
High Sch
Fire Sta
Armory
COTTAGE
SEATTLE
PROSPECT AVE
GARDNER AVE
County Fairgrounds
Masonic Creek
City Hall
PO
Fire Sta
Brook
FULTON ST
HOUSTON AVE
East Middletown
Mechanicstown
Hillside Cemetery
Horton Hospital
BROOKLINE AVE
GRADE
RAILROAD
ROAD
BM 485
St Albert's College
Moon Sch
BM 526
OLD
SCHUTT
Randall Airport
17M
Substation
Sewage Disposal
ROAD
Brook
DOLSONTOWN
MC VEIGH
Monhagen
ERIE - LACKAWANNA
ROAD
BM 449
Pinehill Cem
INTERCHANGE 3
84
ROAD
Echo Lake

The contaminated materials that will be generated include used solvents, decontamination rinse water and used disposable clothing. Solvents and disposable clothing will be containerized for proper disposal. Rinse water will be poured back onto the site.

Based on available background information, it appears that there may be the potential for encountering buried containerized waste during the test pit phase of our investigation. If this occurs FCHA will immediately discontinue the digging of that test pit and notify appropriate NYSDEC and USEPA authorities.

15-(12-75)

New York State Department of Environmental Conservation

MEMORANDUM

TO: Al Klauss - Regional Engineer, Region 3, New Paltz
FROM: Peter Doshna - Division of Water, Region 3, White Plains
SUBJECT: WALLKILL (T), WELL CONTAMINATION UPDATE

DATE: March 30, 1984

This is in furtherance to my memo of January 5, 1984 which summarized the involvement of this writer and staff relative to the referenced matter.

The following is an update of activities from January 5, 1984 to March 30, 1984. Such update does not include activities of "others" but does make reference as necessary.

1) The proposed drilling plan prepared by Roy F. Weston, Inc. and dated 2/28/84 was reviewed. Comments were prepared and presented at the 3/14/84 meeting in New Paltz.

2) Meetings and discussions with Mr. Lou Evans, Division of Environmental Enforcement, were held on a number of occasions. Such meetings were necessary to develop a strategy for further sampling which hopefully will tie-down General Switch as the source of contamination. Further, the meetings provided a forum for discussing how the sampling, interviews, information and data should be recorded/reported such that proper documentation was made in expectation for future litigation.

3) On 3/21/84 and 3/23/84, the writer and Mr. Fred Woodward sampled additional sites on and adjacent to General Switch property. A total of 13 sites were sampled.

   The selected sites were chosen to:

   a) provide background data;
   b) supplement previous sampling on General Switch property;
   c) create an initial "grid" at sample depth of 1 ft.

   With these results, it is expected that we will further support our allegations against General Switch.

4) Approximately four days were needed to assemble all information gathered on 3/21/84 and 3/23/84 into appropriate memos and sample location maps.

It is estimated that 65 manhours has been expended by the writer relative to the aforementioned activities.

PD:bz

2-15-84

WASH. HTS AREA – PROPOSED WATER DISTRICT

		UNITS	ASS'D VALUE
Blue	Main W. Hts area	502	$10,864,600
"	Additional W. Hts area to TANK	160	2,531,650
	TOTAL	662	13,396,250
Brown	Highland Ave to R.R.	10	440600
	TOTAL	672	13,836,850
Yellow	Maples area	38	1,098,600
	TOTAL	710	14,935,450
Red	Keystone Park	30	997,200
	GRAND TOTAL	740	14,932,650

COST ESTIMATE $2,200,000 FOR BASIC DISTRICT

DISTRICT	UNITS	BOND COST PER UNIT/YEAR HIGH	BOND COST PER UNIT/YEAR LOW	OPERATION AND MAINTENANCE
BLUE-BROWN HIGHLAND AVE TO TANK	672	$329.68	$251.95	$30.00
INCLUDING YELLOW MAPLES AREA	710	312.04	237.99	27.50
INCLUDING RED KEYSTONE PARK	740	299.39	228.34	25.00

ABOVE BASED ON FOLLOWING

$2,200,000 @ 9% FOR 30 YEARS = $212,422 per YEAR
2,000,000 @ 9% FOR 30 YEARS = 193,111 " "
LOW 1,750,000 @ 9% FOR 30 YEARS = 168,972 " "
HIGH 2,200,000 @ 9% FOR 25 YEARS = 221,549 " "
2,000,000 @ 9% FOR 25 YEARS = 201,408 " "
1,750,000 @ 9% FOR 25 YEARS = 176,232 " "

336 025

Fite Rich Wallkill

15 (12/75)

New York State Department of Environmental Conservation

MEMORANDUM

TO: Paul Keller
FROM: Albert Klauss
SUBJECT: SUMMARY OF WALLKILL WELL CONTAMINATION MEETING (1/4/84)

DATE: January 20, 1984

The USEPA representative summarized their sample effort to date, indicating 186 samples and 98 separate wells were tested. Also, as of 1/4/84, approximately 1.5 gallons of perchloroethylene had been removed from the groundwater. Wells on the following streets have been sampled:

Highland
Watkins
Commonwealth
Electric
Industrial Place

Samples were taken from wells on Rockland and Maple to serve as controls. USEPA will provide an up-date of all sampling results as the results become available.

Cold weather induced freeze-up problems were identified by EPA. The permissible pumping rate allowed by the current system (i.e. pumping discharge from Perella well into a tank truck and transporting contaminated liquid to a nearby Wallkill sewer) is insufficient to allow for the increased pumping rates suggested by EPA. Such rates would necessitate direct discharge into the Middletown sewer system. At issue is the 2 ppb ambient water quality limit established for perchloroethylene. NYSDEC contended the limit can only be exceeded pursuant to approval by the NYSDOH. As of this date the issue is still unresolved.

The Department affirmed its position that State Superfund money has not been used for providing water mains and if EPA did not fund the main(s), local government should do so.

Problems encountered in the analytical techniques used on the soils samples taken by NYSDEC personnel, were discussed. A commitment to have the NYSDEC Photo Vac in service, on site, by 1/16/84 was made. This has been accomplished.

Geological issues dealing with test borings to better identify the contamination plume were addressed. No definite actions, to be taken, were arrived at.

EPA stated all potential solutions were being explored, for example; installation of GAC filters on each affected well. This received a generally negative response because EPA indicated it would not fund filter replacement indefinitely, and additionally the Department cited problems encountered with domestic GAC filters.

EPA stated it was a state function to provide long term monitoring of wells to insure the water was safe to drink. EPA requested analytical support from the DEC regarding analyses of soils, groundwater, well water and STP samples. DEC committed to do this and is presently prepared to do so. Soil samples will be analyzed in Albany resulting in a two week turnaround. EPA raised the issue of who would continue funding a pumping program after EPA bowed out at the end of six months. This issue was not resolved.

AK/di

cc: M. O'Toole, DSHW, Albany
C. Manfredi
R. Gardineer
F. VanAlstyne
L. Nadler
C. Goddard
Dr. L. Hetling, NYS DOH
F. Rubel, USEPA, Edison

Fb:..336 on

RECEIVED
FEB 12 1985
ADMINISTRATIVE UNIT
REGION #3

New York State Department of Environmental Conservation

MEMORANDUM

RECEIVED
FEB 13 1985
NYSDEC
New Paltz

TO: Commissioner Williams
FROM: Rocky Piaggione through John Greenthal
SUBJECT: General Switch Corp. - Public Meeting at Wallkill Town Hall
DATE: February 5, 1985

On January 30, 1985 a meeting was held at the Wallkill Town Hall at the request of Assemblyman Maurice D. Hinchey, regarding General Switch Corp. and tetrachloroethylene contamination in the Town of Wallkill. Attached as background are copies of John Greenthal's memorandum dated January 18, my memorandum to John dated January 18, and Assemblyman Hinchey's letter to Lou Evans, dated January 8.

The meeting was attended by representatives of the United States Environmental Protection Agency (EPA), the New York State Department of Health (DOH), the Orange County Department of Health, the Attorney General's Office, the Town of Wallkill, and General Switch Corp. Also present were Assemblyman William Larkin, Assemblywoman Mary McPhillips, an aide to Representative Benjamin Gilman, and approximately two dozen citizens and media representatives. Assemblyman Hinchey chaired the meeting, in conjunction with representatives of the Heights Area Residents against Pollution (HARP), a local citizens group formed as a result of the tetrachloroethylene problem. This Department was represented by Al Klauss, Regional Engineer for Region 3, Lou Evans and me.

The purpose of the meeting was to have the various government agencies respond to a series of questions prepared by HARP, which were attached to the letter from Assemblyman Hinchey. The following is a summary of the major issues which arose at the meeting:

- The DOH drinking water guideline for tetrachloroethylene sets 50 ppb as the acceptable level. DEC's standard for Class A surface waters is 2 ppb. Under the Consent Order that General Switch signed wth EPA in May 1984, the company must provide an alternate drinking water supply to Washington Heights residents whose water has been contaminated with over 50 ppb of tetrachloroethylene. The HARP representatives stated that the guideline is too high and that the EPA Order should be renegotiated to require General Switch to supply drinking water to residents whose water contains any detectable amount of tetrachloroethylene. HARP also was concerned that the drinking

water guideline of 50 ppb was much higher than the 2 ppb maximum contamination level allowed by this Department. Ron Tramontano of DOH gave a lengthy explanation of the reasons for the 50 ppb standard, based on risk assessment studies. Ron also stated that the 2 ppb surface water standard had been recommended to DEC by DOH, and that the rationale was to prevent the introduction of contamination above the drinking water guideline into streams which are sources of drinking water. The subject of renegotiating the EPA Consent Order was not directly addressed because EPA did not have an attorney present.

- This office is presently negotiating with General Switch for remediation of contaminated soil on the company's property. We are seeking to enter into a Consent Order on this aspect. General Switch had previously expressed a willingness to do the on-site work, but said they would not sign a Consent Order. However, at the January 30 meeting, the attorney for General Switch said that the company would sign a "reasonable" Consent Order. Mr. Hinchey stated he expected the Department to "rigorously" pursue an Order in this matter.

- Long-term remediation of the groundwater is also within our purview. However, General Switch will not address this point until its hydrology study for EPA is completed.

- The EPA Consent Order requires General Switch to conduct a hydrogeological investigation. The meeting included some discussion regarding the progress of the program. As part of the program, General Switch is required to pump contaminated water out of the affected aquifer. The company wishes to dispose of this water into the City of Middletown sewage system. This Department wll grant Middletown a special condition to its SPDES permit, allowing a maximum of 40 ppb of tetrachloroethylene to be discharged in the effluent from the City's sewage treatment plant. So far, Middletown has refused to accept the contaminated water into the system. EPA has given General Switch a deadline of February 20 for reaching agreement with the City of Middletown or making other arrangements for disposal of the contaminated water. The City of Middletown did not

participate in the meeting.

- There was some discussion concerning the creation of a water district, providing a permanent public water supply to the Washington Heights area. That issue was primarily addressed by the Town of Wallkill.

Finally, there was some displeasure expressed by HARP concerning the delay in getting back results from samples sent to laboratories for analysis. It was explained by all parties concerned that delay in laboratory analysis was a problem shared by all Departments.

cc: Langdon Marsh
Janice K. Corr
Paul D. Keller
Norman H. Nosenchuck
Dan Barolo

RP/vl

New York State Department of Environmental Conservation

For Other File General Switch

MEMORANDUM

TO: Commissioner Williams
FROM: John Greenthal
SUBJECT: Attached Letter Dated January 8, 1985 from Assemblyman Maurice D. Hinchey to Lou Evans Regarding General Switch Corporation
DATE: January 18, 1985

Lou Evans, an attorney in the White Plains field unit of the Division of Environmental Enforcement, received the referenced letter this morning. A brief background memorandum on the subject, prepared by Rocky Piaggione, is also attached.

I have asked Rocky to contact other DEC staff who are involved in this matter in order to learn whether they also have received letters. If so, a meeting to coordinate DEC's preparation for the session on January 30 is in order. Similar coordination should then be developed with the State and County health departments and with the United States Environmental Protection Agency, which agencies are also involved in the matter.

Attachments

cc: Langdon Marsh
Janice K. Corr
Michael Tone
Rocky Piaggione
Louis Evans

JG/vl

RECEIVED
JAN 3 1985

New York State Department of Environmental Conservation

MEMORANDUM

TO: John Greenthal
FROM: Rocky Piaggione
SUBJECT: General Switch Corporation
DATE: January 18, 1985

General Switch Corporation signed a consent order with the United States Environmental Protection Agency (EPA) to conduct a hydrogeological study and remediation program for TCE contamination of ground water. Despite its execution of the order, the company has not admitted responsibility for the ground water contamination.

The EPA has placed several homes on public water supply on an emergency basis. The State has not been a party to the federal consent order because of the Orange County Department of Health's failure to provide an acceptable level of TCE present in the ground water.

The current problem with the hydrology is where to dipose of the contaminated ground water. DEC and General Switch believe that the water can be deposited in the City of Middletown's sewers, to be handled by the City's treatment plant. The City of Middletown has refused to allow this.

DEC has met with General Switch in an attempt to have the company address the TCE contamination of the soil on its site. General Switch has submitted a proposal to investigate the problem, and DEC will provide technical comments on it to General Switch. However, the company has refused, to date, to sign an order on consent addressing the soil contamination. We are of the opinion that we will take no action seeking penalties until the soil remediation program has been completed and we have full knowledge of the nature and extent of the company's disposal activities.

RP/vl

Paul Heilfurth,President
Heights Area Residents
Against Pollution
(HARP)
233 Commonwealth Ave.
Middletown, New York 10940

January 4, 1985

Mr. Lou Evans
NYS Department of Environmental Conservation
Region 3 White Plains Office
202 nanaroneck
White Plains, New York 10601

Dear Mr. Evans:

We are writing on behalf of residents of the Washington Heights neighborhood in the Town of Wallkill, New York who have been affected by the contamination of their aquifer by General Switch Corporation. While we recognize that significant efforts have been made by General Switch, and the various federal, state and local agencies to remedy the threat to our health and welfare, there remains many questions that need to be answered to our satisfaction.

Consequently, we have asked Assemblyman Maurice Hinchey, Chairman of the New York State Assembly Committee for Environmental Conservation, to conduct a meeting with you and other officials for the purpose of answering these questions listed below. We need to find solutions to the problems that still exist.

HEALTH PROTECTION:

1. The consent order negotiated by the U.S. Environmental Protection Agency (EPA) with the General Switch Corporation for supplying a new water source to residents who have had their wells closed is too restricted. These negotiations should be re-opened. The current arrangements do not provide justice or health and safety protection for residents that now have, or may have in the future, problems associated with water contamination because of the careless disposal of tetrachloroethylene (PCE) by General Switch Corporation.

2. Why isn't General Switch being asked to pay for a new water supply for those residents affected by the constant threat of PCE contamination? Why aren't the enforcement agencies pushing for this?

3. According to the Handbook of Toxic and Hazardous Chemicals,Noyes 1981, there is no permissable level of PCE in

drinking water that is safe for human health. Furthermore, according to the Environmental Protection Agency, the recommended maximum contaminant level (RMCL) is zero for tetrachloroethylene. In addition to these two factors, the City of Middletown has refused to accept our water into their sewer system if it has concentrations of PCE in ecess of 40 ppb, the limit set by the New York State Department of Environmental Conservation.

In view of these precautionary and technical health standards:

a) Why won't the Health Departments (both State and Local) condemn PCE contaminated drinking water at the lower threshold that the federal recommendations call for?

b) Why does the New York State Department of Health guidelines require 50 ppb before drinking water wells are condemned?

4. Has there been any attempt to establish a registry of residents in the Washington Heights area who have consumed PCE contaminated water so that the department may document changes in the condition of the residents health? For example, the Warner family which resided at 320 Highland Avenue had concentrations of 290,000 ppb of PCE in their water. They have since moved out of the area. How is the future of their health being protected? The unacceptably high levels of chemical exposure should require that the residents health be monitored for long term affects. We feel this registry should be established for impacted residents of the neighborhood.

5. Why hasn't the Department of Health or the local health departments checked regularly on the residents with less than 50 ppb who are never-the-less contaminated with some amount of PCE?

6. Is it possible that concentrations of PCE become greater during the taking of showers or when used in steam heat? If so, what are the additional risks?

7. If there are volatile organics other than PCE present, what are the added and synergistic effects of these chemicals? How are the residents health being protected?

WATER CONTAMINATION:

1. Tests are necessary to determine what other concentrations of chemicals may exist and what the cumulative contamination status of the water is. If tests have been conducted for priority pollutants, these results should be made available immediately to the affected community.

2. How can the direction of the plume be determined? How can you condemn one well and then not condemn the well in the next backyard, when the plume may be travelling toward that

neighboring well? Any information concerning the direction and velocity of the plume should be made available to the affected community immediately.

3. What controls over the use of the contaminated aquifier for such activities as watering vegetable gardens have been put into effect?

4. Some city water users may have wells which supply water for supplemental uses, such as watering gardens. These wells may be contaminated by PCE. These wells should be identified and tested. This information may indicate the direction of the plume, as well as protect the health of those unknowing individuals who may not be aware of the contamination.

SOIL CONTAMINATION:

1. The soil at General Switch is contaminated with PCE. It has not been fully explained as to how this happened and to what extent the soil is contaminated. What controls are in place to guarantee that this practice will not continue and what steps have been taken to prevent further saturation?

2. How will the contaminated soil be removed and where will it be disposed of?

CLEAN-UP

1. The process of de-contaminating the aquifier requires that all homes should have access to a clean alternate source of water prior to resumption of clean-up procedures.

2. According to the EPA, 33,400 gallons of water were pumped out of the aquifier prior to January 1984. This action recovered 1.5 gallons of PCE and decreased the level of the aquifier by 23 feet. In view of this information, is there a more efficient method for removing the PCE from the aquifier? What is the long-term effect on the water table if this method is continued?

Representatives of the Washington Heights residents will be attending the meeting arranged by Assemblyman Hinchey on Wednesday, January 30 at 4:30 p.m. at the Wallkill Town Hall. We trust you will also be represented at this meeting in order to address these questions.

We look forward to discussion and resolution to these issues at that time.

Sincerely,

Paul Heilfurth

PAUL HEILFURTH
President of the Heights Area
Residents Against Pollution
(HARP)

Klaus
Let discuss
Paul

COUNTY OF ORANGE / Department of Health
orange county LOUIS HEIMBACH, County Executive
124 MAIN STREET
GOSHEN, NEW YORK 10924 TEL: 914-294-7961

Walter O. Latzko
President, Board of Health

Russell C. Johnson, M.D.
Commissioner of Health

February 29, 1984

Langdon Marsh
Executive Deputy Commissioner
New York State Department of Environmental Conservation
50 Wolf Road
Albany, N.Y. 12233

Re: Wallkill Well Contamination

Dear Mr. Marsh,

On November 18, 1983, the Orange County Department of Health made a declaration of a health emergency because of pollution of four private wells on Highland Avenue in the Town of Wallkill with levels of tetrachlorethylene which were hazardous to health of humans. Since that time, three more wells were found unsafe for either exposure or consumption.

At the request of N.Y.S.D.E.C., the U.S.E.P.A. was brought in to assist in determining the origin, extent, and plan for clean up of the pollutant. Unfortunately, the process was stymied by the lack of an efficient system of disposing of the pumped out pollutant; by freezing winter conditions; by unrealistic N.Y.S.D.E.C. stream pollution standards during a health emergency; and inadequate on-site laboratory support services.

In late January 1984, the N.Y.S.D.E.C. brought a mobile laboratory with gas chromatography equipment to the Town of Wallkill. For the past four weeks, it has provided an excellent laboratory support system. However, I was advised by N.Y.S. D.E.C. Region 3 that this service would be withdrawn on or about March 30, 1984.

As Commissioner of Health for the County of Orange, I feel this is a breach of intergovernmental cooperation in attempting to resolve a major problem, and I implore you to direct the N.Y.S.D.E.C. mobile laboratory to remain on site at least until the U.S.E.P.A. Emergency Response Unit completes its commitment to resolve the ground water pollution problem. I estimate that would be until the middle of May.

This matter has been discussed with the Region 3 of N.Y.S. D.E.C. staff, and they have advised me that this decision is beyond their control.

Your attention to this request for assistance, as soon as

February 29, 1984
Langdon Marsh
Re: Wallkill Well Contamination

possible, would be appreciated by all concerned.

Sincerely yours,

Russell C. Johnson, M.D.
Commissioner of Health

RCJ:jr

CC: Paul Keller, Region 3, N.Y.S.D.E.C.
Dr. Leo Hetling, N.Y.S.D.O.H.
Fred N. Rubel, Region 2, U.S.E.P.A.
Louis Heimbach, Orange County Executive
Albert DeMartino, M.D., Southern Region, N.Y.S.D.O.H.
Matthias J. Schleifer, Orange County Health Department

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION II
EDISON, NEW JERSEY 08837

April 25, 1984

Mr. Albert Klauss, Regional Engineer
New York State Department
of Environmental Conservation
21 South Putt Corner
New Paltz, New York, 12561

Dear Mr. Klauss:

Attached please find the results of the samples collected in the affected area of Wallkill, New York from November, 1983 through April 20, 1984. To date, a total of 500 samples have been collected. This sampling program has identified 14 wells with contamination levels ranging between 1 and 50 ppb and an additional 8 wells with contamination levels over 50 ppb. Of these 8, 1 (General Switch) is an industrial well that is not in service.

In the above summary, the Pitt well, 355 Highland, was included in the group with levels ranging between 1 and 50 ppb. The reason is, that although the concentration of one sample was 165 ppb, three later samples did not indicate levels greater than 1 ppb.

During the week of April 16 through 20, 1984, 40 wells were sampled. Of these, 25 wells were sampled on Highland Avenue to monitor local contamination levels. The 15 additional wells sampled were collected to monitor the perimeter of the affected areas.

A new well, Liska, 304 Highland Avenue, showed contamination levels (12 ppb) for the first time.

Sample results are to be released only by Dr. Russel Johnson, Commissioner, Orange County Department of Health.

This data base will be updated as additional sampling is performed.

Sincerely yours,

Fred Zachos

George Zachos
Emergency Response Section

Attachments

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GENERAL NOTES:

1) Unless otherwise noted, sampling was performed by EPA or EPA in concert with State or County.

2) Unless otherwise noted, samples were collected after running the tap for 15 minutes.

3) Laboratories:

   a) Envirotest is a commercial laboratory located at 717 Broadway, Newburgh, New York. It is certified by the New York State Department of Health for Drinking Water Analysis. Sample analysis was performed using EPA Method 601.

   b) Clayton is a commercial laboratory located at 160 Fieldcrest Avenue, Raritan Center, Edison, New Jersey. It has received interim certification from the State of New Jersey for Water Quality Analysis. Sample analysis was performed using EPA Method 624.

   c) TAT/Photovac indicates on-site analysis by the EPA Technical Assistance Team (TAT) Contractor, Roy F. Weston. Sample analysis was conducted on a Photovac Model 10A10 portable ionization gas chromatograph equipped with a photoionization detector and an SE-30 Chromosorb 100/120 column. The system was operated at room temperature. Sample headspace was analyzed.

   d) NYSDEC/DSHW/GC indicates on-site analysis by the New York State Department of Environmental Conservation, Division of Solid and Hazardous Wastes. Sample analysis was conducted using a Hewlett-Packard gas chromatograph (GC) Model 5710A equipped with an electron capture detector and a 3% SP2100 Supelcoport 100/120 column. The GC was run isothermally at 35°C. Sample headspace was analyzed.

   e) USEPA/ESD is the EPA Region II Environmental Services Division Laboratory located in Edison, New Jersey. Sample analysis was performed using the EPA Method 624.

   f) USEPA/ERT is the EPA Environmental Response Team Laboratory located in Edison, New Jersey. Sample analysis was performed using the EPA 624 Method.

   g) NYSDHCLR - is the New York State Department of Health Center for Laboratory Research located in Albany, New York. Sample analysis was performed using EPA Method 503.1 and EPA Method 601.

4) Quality Assurance/Quality Control (QA/QC)

   a) All data reported by Envirotest and the TAT/Photovac field lab was reviewed for QA/QC by TAT II.

   b) Data reported by Clayton and the USEPA/ERT were reviewed for QA/QC by the ERT.

   c) Data reported by USEPA/ESD was reviewed for QA/QC by the ESD.

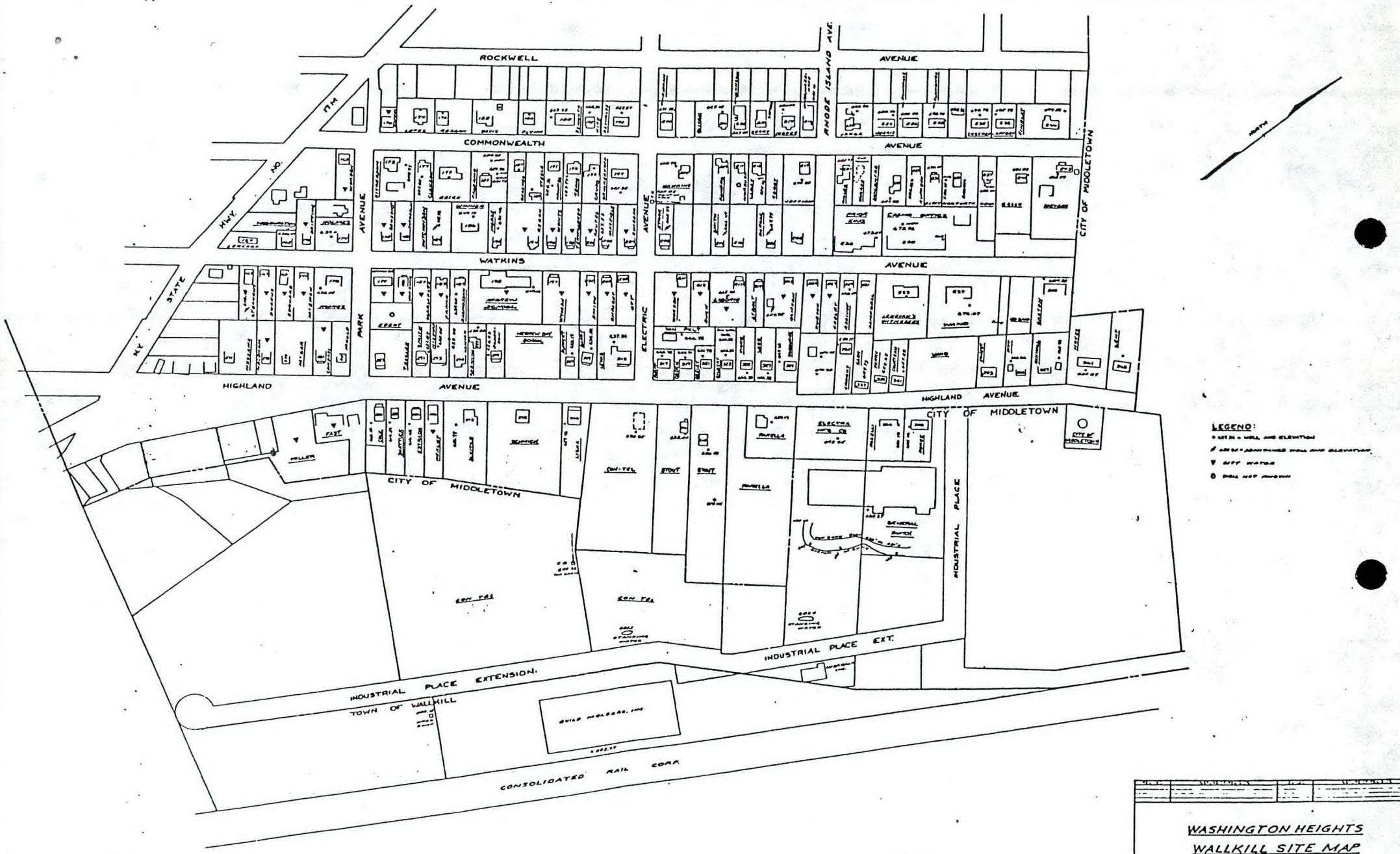
d) Data reported by the NYSDEC/DHSW/GC was reviewed for QA/QC by the NYSDEC/DHSW.

e) Data reported by the NYSDHCLR was reviewed for QA/QC by the NYSDHCLR.

f) Data reported by the Orange County Health Department (OCHD) was reviewed for QA/QC by the OCHD.

5) All samples analyzed at commercial laboratories were under EPA control unless otherwise noted.

6) All sample analysis results are reported in parts per billion (ppb) unless otherwise noted. (ug/g = microgram per gram)



NOTE:
MAP COMPILED FROM TAX MAP, AND AERIAL PHOTOGRAPHIC MAP AND FIELD MEASUREMENTS

WASHINGTON HEIGHTS
WALLKILL SITE MAP

TOWN OF WALLKILL ORANGE CO., N.Y.

SCALE 1" = 100' JANUARY 1984

EUSTANCE & HOROWITZ, PC
CIRCLEVILLE N.Y. 10919

GE NO. 00001
04/23/84

WALLKILL, NEW YORK
TETRACHLOROETHYLENE SAMPLE RESULTS

COLLECTION DATE	LAB NUMBER	TETRACHLOROETHYLENE CONCENTRATION (PPB)	ANALYSIS DATE	LABORATORY	COMMENTS
* BLANK					
12/20/83		<1	01/05/84	ENVIROTEST	
01/06/84	68569	ND	01/13/84	USEPA/ESD	
01/27/84	68577	ND	02/01/84	USEPA/ESD	
02/22/84	66256	ND	02/22/84	NYSDEC/DSHW/GC	
03/07/84	66289	<1	03/08/84	NYSDEC/DSHW/GC	
* 173 COMMONWEALTH AVE, DICKERSON					
12/19/83	69171	<1	12/21/83	ENVIROTEST	
02/15/84	68874	<1	02/16/84	NYSDEC/DSHW/GC	
* 174 COMMONWEALTH AVE, LOPEZ					
12/19/83	69191	<1	12/21/83	ENVIROTEST	
02/15/84	68875	<1	02/16/84	NYSDEC/DSHW/GC	
* 176 COMMONWEALTH AVE, FRATTO (FORMERLY REAGEN)					
12/19/83	69172	<1	12/21/83	ENVIROTEST	
04/17/84	67627	ND	04/18/84	NYSDEC/DSHW/GC	
* 177 COMMONWEALTH AVE, CLAUSON					
12/19/83	69187	<1	12/21/83	ENVIROTEST	
04/17/84	67628	ND	04/18/84	NYSDEC/DSHW/GC	
* 179 COMMONWEALTH AVE, RIECK					
12/20/83	68960	<1	01/03/84	ENVIROTEST	
04/16/84	67606	ND	04/17/84	NYSDEC/DSHW/GC	
* 182 COMMONWEALTH AVE, DAVIS					
12/19/83	69175	<1	12/21/83	ENVIROTEST	
12/20/83	69195	<1	01/05/84	ENVIROTEST	
03/07/84	66295	ND	03/08/84	NYSDEC/DSHW/GC	
* 183 COMMONWEALTH AVE, PALERMO					
12/19/83	69188	<1	12/21/83	ENVIROTEST	
02/15/84	66226	<1	02/16/84	NYSDEC/DSHW/GC	
* 186 COMMONWEALTH AVE, FLYNN					
12/19/83	68976	<1	01/05/84	ENVIROTEST	
02/15/84	66227	<1	02/16/84	NYSDEC/DSHW/GC	

WALLKILL, NEW YORK
TETRACHLOROETHYLENE SAMPLE RESULTS

COLLECTION DATE	LAB NUMBER	TETRACHLOROETHYLENE CONCENTRATION (PPB)	ANALYSIS DATE	LABORATORY	COMMENTS
* 188 COMMONWEALTH AVE, DEMOUTH					
12/19/83	69174	<1	12/21/83	ENVIROTEST	
02/15/84	66228	<1	02/16/84	NYSDEC/DSHW/GC	
* 191 COMMONWEALTH AVE, KRAWIEC					
12/19/83	68951	<1	01/05/84	ENVIROTEST	
02/15/84	66229	<1	02/16/84	NYSDEC/DSHW/GC	
* 192 COMMONWEALTH AVE, HITE					
12/19/83	69173	<1	12/21/83	ENVIROTEST	
02/15/84	66230	<1	02/16/84	NYSDEC/DSHW/GC	
* 193 COMMONWEALTH AVE, KEHM					
12/19/83	68952	<1	01/05/84	ENVIROTEST	
03/07/84	66285	ND	03/08/84	NYSDEC/DSHW/GC	
* 195 COMMONWEALTH AVE, CRUDO					
12/20/83	68958	<1	01/03/84	ENVIROTEST	
03/07/84	66294	ND	03/08/84	NYSDEC/DSHW/GC	
* 196 COMMONWEALTH AVE, REYNOLDS					
12/19/83	68977	<1	01/05/84	ENVIROTEST	
03/06/84	66268	ND	03/06/84	NYSDEC/DSHW/GC	
* 197 COMMONWEALTH AVE, BRINCKERHOFF					
12/19/83	69189	<1	12/21/83	ENVIROTEST	
02/15/84	66231	<1	02/16/84	NYSDEC/DSHW/GC	
* 200 COMMONWEALTH AVE, KIERAN					
12/19/83	69200	<1	01/05/84	ENVIROTEST	
04/18/84	67634	ND	04/19/84	NYSDEC/DSHW/GC	
* 205 COMMONWEALTH AVE, HAWKINS					
04/18/84	67633	ND	04/19/84	NYSDEC/DSHW/GC	
* 206 COMMONWEALTH AVE, BLIVEN					
02/15/84	66232	<1	02/16/84	NYSDEC/DSHW/GC	
04/18/84	67632	ND	04/19/84	NYSDEC/DSHW/GC	

WALLKILL, NEW YORK
TETRACHLOROETHYLENE SAMPLE RESULTS

COLLECTION DATE	LAB NUMBER	TETRACHLOROETHYLENE CONCENTRATION (PPB)	ANALYSIS DATE	LABORATORY	COMMENTS
* 208 COMMONWEALTH AVE, JOHNSON					
12/19/83	69192	<1	12/21/83	ENVIROTEST	
03/06/84	66269	ND	03/06/84	NYSDEC/DSHW/GC	
* 210 COMMONWEALTH AVE, BERRY					
12/19/83	69193	<1	12/21/83	ENVIROTEST	
02/15/84	66233	<1	02/16/84	NYSDEC/DSHW/GC	
* 211 COMMONWEALTH AVE, NORBURY					
12/19/83	69190	<1	12/21/83	ENVIROTEST	
03/07/84	66284	ND	03/08/84	NYSDEC/DSHW/GC	
* 213 COMMONWEALTH AVE, CAREY					
12/19/83	69196	<1	12/21/83	ENVIROTEST	
03/06/84	66270	ND	03/06/84	NYSDEC/DSHW/GC	
* 214 COMMONWEALTH AVE, MADER					
12/19/83	69194	<1	12/21/83	ENVIROTEST	
02/16/84	66235	ND	02/16/84	NYSDEC/DSHW/GC	
* 217 COMMONWEALTH AVE, HOFFMANN					
12/20/83	68953	<1	01/05/84	ENVIROTEST	
02/16/84	66236	ND	02/16/84	NYSDEC/DSHW/GC	
* 220 COMMONWEALTH AVE, VARSA					
12/20/83	68979	<1	01/05/84	ENVIROTEST	
* 221 COMMONWEALTH AVE, MUELLER					
12/19/83	69197	<1	12/21/83	ENVIROTEST	
02/16/84	66237	ND	02/16/84	NYSDEC/DSHW/GC	
* 224 COMMONWEALTH AVE, MORRIS					
12/20/83	68980	<1	01/05/84	ENVIROTEST	
02/16/84	66238	ND	02/16/84	NYSDEC/DSHW/GC	
* 226 COMMONWEALTH AVE, RUNNALLS					
12/20/83	68981	<1	01/05/84	ENVIROTEST	
02/16/84	66239	ND	02/16/84	NYSDEC/DSHW/GC	

WALLKILL, NEW YORK
TETRACHLOROETHYLENE SAMPLE RESULTS

COLLECTION DATE	LAB NUMBER	TETRACHLOROETHYLENE CONCENTRATION (PPB)	ANALYSIS DATE	LABORATORY	COMMENTS
* 227 COMMONWEALTH AVE, MACENTEE					
12/20/83	68959	<1	01/03/84	ENVIROTEST	
03/07/84	66297	ND	03/08/84	NYSDEC/DSHW/GC	
* 228 COMMONWEALTH AVE, PLANTEGA					
12/20/83	68985	<1	01/03/84	ENVIROTEST	
03/06/84	66271	ND	03/06/84	NYSDEC/DSHW/GC	
* 229 COMMONWEALTH AVE, RUPPERT					
12/19/83	69198	<1	12/21/83	ENVIROTEST	
02/16/84	66240	ND	02/16/84	NYSDEC/DSHW/GC	
* 230 COMMONWEALTH AVE, THACHER					
12/20/83	68984	<1	01/03/84	ENVIROTEST	
03/06/84	66275	ND	03/06/84	NYSDEC/DSHW/GC	
* 231 COMMONWEALTH AVE, BROCK					
12/19/83	69199	<1	12/21/83	ENVIROTEST	
03/06/84	66272	ND	03/06/84	NYSDEC/DSHW/GC	
* 232 COMMONWEALTH AVE, CAFFERY					
12/20/83	68983	<1	01/03/84	ENVIROTEST	
04/18/84	67635	ND	04/19/84	NYSDEC/DSHW/GC	
* 233 COMMONWEALTH AVE, HEILFURTH					
12/20/83	68954	<1	01/05/84	ENVIROTEST	
02/08/84	03907	<1	02/08/84	NYSDEC/DSHW/GC	
* 237 COMMONWEALTH AVE, NOHA					
12/20/83	68955	<1	01/05/84	ENVIROTEST	
03/06/84	66273	ND	03/06/84	NYSDEC/DSHW/GC	
* 241 COMMONWEALTH AVE, GAZZO					
12/20/83	68956	<1	01/05/84	ENVIROTEST	
* 244 COMMONWEALTH AVE, FINLEY					
12/20/83	68982	<1	01/05/84	ENVIROTEST	
03/06/84	66274	ND	03/06/84	NYSDEC/DSHW/GC	

WALLKILL, NEW YORK
TETRACHLOROETHYLENE SAMPLE RESULTS

COLLECTION DATE	LAB NUMBER	TETRACHLOROETHYLENE CONCENTRATION (PPB)	ANALYSIS DATE	LABORATORY	COMMENTS
* 245 COMMONWEALTH AVE, MEYERS					
12/20/83	68957	<1	01/05/84	ENVIROTEST	
04/18/84	67636	ND	04/19/84	NYSDEC/DSHW/GC	
* 31 ELECTRIC AVE, VAN PELT					
12/19/83	69170	<1	12/21/83	ENVIROTEST	
03/06/84	66276	ND	03/06/84	NYSDEC/DSHW/GC	
* 277 HIGHLAND AVE, PULUCH					
11/29/83	68523	ND	12/06/83	CLAYTON	CITY WATER
* 282 HIGHLAND AVE, SHATTUCK					
02/16/84	66234	ND	02/16/84	NYSDEC/DSHW/GC	
* 286 HIGHLAND AVE, ESTRADA					
11/28/83	69122	ND	12/06/83	CLAYTON	
01/05/84	68558	ND	01/10/84	USEPA/ESD	
04/16/84	67601	ND	04/17/84	NYSDEC/DSHW/GC	
* 287 HIGHLAND AVE, TESSELER					
11/28/83	69115	ND	12/06/83	CLAYTON	
03/06/84	66292	ND	03/06/84	NYSDEC/DSHW/GC	
04/16/84	66223	ND	04/17/84	NYSDEC/DSHW/GC	
* 291 HIGHLAND AVE, SMITH					
11/07/83		<1	11/09/93	ENVIROTEST/OCHD	
11/28/83	69121	ND	12/06/83	CLAYTON	
11/28/83	69121	<1	12/06/83	USEPA/ERT	
02/23/84	66267	ND	02/23/84	NYSDEC/DSHW/GC	
04/16/84	66225	ND	04/17/84	NYSDEC/DSHW/GC	
* 292 HIGHLAND AVE, PETRIZZO					
11/22/83	68503	ND	12/02/83	USEPA/ERT	
01/06/84	68565	ND	01/06/84	USEPA/ESD	
03/07/84	66286	ND	03/08/84	NYSDEC/DSHW/GC	
* 293 HIGHLAND AVE, NIXDORF					
11/29/83	69151	ND	12/06/83	CLAYTON	
01/05/84	68895	ND	01/13/84	USEPA/ESD	
01/05/84	68897	ND	01/11/84	TAT/PHOTOVAC	30 MINUTES

WALLKILL, NEW YORK
TETRACHLOROETHYLENE SAMPLE RESULTS

COLLECTION DATE	LAB NUMBER	TETRACHLOROETHYLENE CONCENTRATION (PPB)	ANALYSIS DATE	LABORATORY	COMMENTS
* 293 HIGHLAND AVE, NIXDORF					
01/05/84	68899	ND	01/11/84	TAT/PHOTOVAC	75 MINUTES
02/22/84	66257	ND	02/22/84	NYSDEC/DSHW/GC	
04/16/84	67602	ND	04/17/84	NYSDEC/DSHW/GC	
* 295 HIGHLAND AVE, JANIAK					
10/17/83	34289	ND	11/15/83	NYSDHCLR	
11/28/83	69120	17	12/06/83	CLAYTON	CONTAMINATION DETECTED
12/09/83	69179	ND	12/10/83	USEPA/ESD	
01/05/84	68894	ND	01/11/84	USEPA/ESD	
01/05/84	68898	ND	01/11/84	TAT/PHOTOVAC	30 MINUTES
01/05/84	68896	ND	01/11/84	TAT/PHOTOVAC	75 MINUTES
01/23/84		ND	01/24/84	ENVIROTEST/OCHD	
04/16/84	67603	ND	04/17/84	NYSDEC/DSHW/GC	
* 297 HIGHLAND AVE, ROBAINA					
12/09/83	69180	37	12/10/83	USEPA/ESD	CONTAMINATION DETECTED
01/05/84	68900	40	01/13/84	USEPA/ESD	CONTAMINATION DETECTED
01/23/84		65	01/24/84	ENVIROTEST/OCHD	> NYSDOH 50 PPB LIMIT
01/25/84	02510	46	01/25/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
01/25/84	02511	78	01/25/84	NYSDEC/DSHW/GC	> NYSDOH 50 PPB LIMIT 60 MINUTES
01/25/84	02512	76	01/25/84	NYSDEC/DSHW/GC	> NYSDOH 50 PPB LIMIT 90 MINUTES
02/14/84	68869	24	02/15/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED 30 MINUTES
02/14/84	68868	10	02/15/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
02/14/84	68871	40	02/15/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED 60 MINUTES
03/20/84	66299	5	03/20/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
* 299 HIGHLAND AVE, ECKERSON					
11/28/83	69118	ND	12/06/83	CLAYTON	
01/05/84	68562	ND	01/11/84	USEPA/ESD	
02/23/84	66265	ND	02/23/84	NYSDEC/DSHW/GC	
04/16/84	67604	ND	04/17/84	NYSDEC/DSHW/GC	
* 304 HIGHLAND AVE, LISKA					
10/14/83	24020	<1	10/17/83	ENVIROTEST/OCHD	
11/30/83		<1	12/02/83	ENVIROTEST/OCHD	
12/02/83	24888	<1	12/05/83	ENVIROTEST/OCHD	
01/05/84	68563	ND	01/13/84	USEPA/ESD	
02/21/84	66245	ND	02/21/84	NYSDEC/DSHW/GC	
02/21/84	66245	ND	02/21/84	NYSDEC/DSHW/GC	

WALLKILL, NEW YORK
TETRACHLOROETHYLENE SAMPLE RESULTS

COLLECTION DATE	LAB NUMBER	TETRACHLOROETHYLENE CONCENTRATION (PPB)	ANALYSIS DATE	LABORATORY	COMMENTS
* 304 HIGHLAND AVE, LISKA					
04/16/84	67605	12	04/17/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
* 307 HIGHLAND AVE, RUPERT					
11/25/83	69101	7000	12/06/83	CLAYTON	> NYSDOH 50 PPB LIMIT
02/03/84	03401	5517	02/03/84	NYSDEC/DSHW/GC	> NYSDOH 50 PPB LIMIT 30 MINUTES
02/03/84	03402	12112	02/03/84	NYSDEC/DSHW/GC	> NYSDOH 50 PPB LIMIT 60 MINUTES
02/03/84	03403	13985	02/03/84	NYSDEC/DSHW/GC	> NYSDOH 50 PPB LIMIT 180 MINUTES
* 309 HIGHLAND AVE, BARRY					
11/23/83	68544	100	12/06/83	CLAYTON	> NYSDOH 50 PPB LIMIT
12/09/83	69166	730	12/09/83	ENVIROTEST/OCHD	> NYSDOH 50 PPB LIMIT
02/07/84	03801	39	02/07/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
03/20/84	66212	118	03/20/84	NYSDEC/DSHW/GC	> NYSDOH 50 PPB LIMIT
* 313 HIGHLAND AVE, LEWIS					
12/06/83	69156	ND	12/19/83	USEPA/ERT	
01/05/84	68886	ND	01/10/84	USEPA/ESD	
01/05/84	68890	<.5	01/11/84	TAT/PHOTOVAC	30 MINUTES
01/05/84	68888	<.5	01/11/84	TAT PHOTOVAC	90 MINUTES
02/21/84	66244	16	02/21/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
02/22/84	66249	8	02/22/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
02/22/84	66250	3	02/22/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED 30 MINUTES
02/22/84	66252	2	02/22/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED 60 MINUTES
02/23/84	66259	5	02/23/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
02/23/84	66261	2	02/23/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED 30 MINUTES
03/20/84	66298	27	03/20/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
04/17/84	67613	49	04/17/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
04/18/84	67629	28	04/19/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
04/18/84	67630	13	04/19/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED 30 MINUTES
* 316 HIGHLAND AVE, STOUT					
11/08/83	68805	3500	11/11/83	USEPA/ESD	> NYSDOH 50 PPB LIMIT
11/15/83	63941	ND	12/16/83	USEPA/ESD	
02/08/84	03909	2341	02/08/84	NYSDEC/DSHW/GC	> NYSDOH 50 PPB LIMIT
02/08/84	03910	2536	02/08/84	NYSDEC/DSHW/GC	> NYSDOH 50 PPB LIMIT 30 MINUTES

WALLKILL, NEW YORK
TETRACHLOROETHYLENE SAMPLE RESULTS

COLLECTION DATE	LAB NUMBER	TETRACHLOROETHYLENE CONCENTRATION (PPB)	ANALYSIS DATE	LABORATORY	COMMENTS
* 316 HIGHLAND AVE, STOUT					
02/08/84	03911	2909	02/08/84	NYSDEC/DSHW/GC	> NYSDOH 50 PPB LIMIT 60 MINUTES
03/21/84	66220	2700	03/21/84	NYSDEC/DSHW/GC	> NYSDOH 50 PPB LIMIT
* 317 HIGHLAND AVE, KNAPP					
11/23/83	68807	ND	11/23/83	USEPA/ERT	
11/23/83	68543	ND	12/06/83	CLAYTON	
01/05/84	68557	ND	01/10/84	USEPA/ESD	
02/22/84	66253	11	02/22/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
02/23/84	66260	9	02/23/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
02/23/84	66262	10	02/23/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED 30 MINUTES
03/20/84	66300	9	03/20/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
04/17/84	67614	12	04/17/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
* 319 HIGHLAND AVE, OGDEN					
11/08/83	68806	ND	11/08/83	USEPA/ERT	
11/23/83	68542	ND	12/06/83	CLAYTON	
01/05/84	68885	ND	01/10/84	USEPA/ESD	
01/05/84	68887	ND	01/11/84	TAT/PHOTOVAC	30 MINUTES
01/05/84	68889	.2	01/11/84	TAT/PHOTOVAC	90 MINUTES
02/22/84	66251	<1	02/22/84	NYSDEC/DSHW/GC	
04/17/84	67615	ND	04/17/84	NYSDEC/DSHW/GC	
* 320 HIGHLAND AVE, PARELLA					
10/17/83	34292	120000	11/15/83	NYSDHCLR	> NYSDOH 50 PPB LIMIT
11/15/83	63940	260000	11/17/83	USEPA/ESD	> NYSDOH 50 PPB LIMIT
11/22/83	68501	76000	12/02/83	USEPA/ERT	> NYSDOH 50 PPB LIMIT
11/23/83	68535	1900	12/06/83	CLAYTON	> NYSDOH 50 PPB LIMIT
11/26/83	69105	>37000	12/06/83	USEPA/ERT	> NYSDOH 50 PPB LIMIT
11/28/83	69114	160000	12/06/83	USEPA/ERT	> NYSDOH 50 PPB LIMIT
11/29/83	68548	126000	12/06/83	USEPA/ERT	> NYSDOH 50 PPB LIMIT
11/29/83		87000	12/06/83	NYSDHCLR	> NYSDOH 50 PPB LIMIT
11/30/83	69138	96480	12/15/83	TAT/PHOTOVAC	> NYSDOH 50 PPB LIMIT
12/01/83	69124	79766	12/15/83	TAT/PHOTOVAC	> NYSDOH 50 PPB LIMIT
12/02/83	69142	83000	12/08/83	USEPA/ERT	> NYSDOH 50 PPB LIMIT
12/03/83	69146	140122	12/15/83	TAT/PHOTOVAC	> NYSDOH 50 PPB LIMIT
12/06/83	69150	73000	12/29/83	USEPA/ERT	> NYSDOH 50 PPB LIMIT
12/07/83	69157	70300	12/08/83	USEPA/ERT	> NYSDOH 50 PPB LIMIT
12/07/83	34205	72000	12/08/83	NYSDEC/DSHW/GC	> NYSDOH 50 PPB LIMIT
12/08/83		72000	12/15/83	NYSDHCLR	> NYSDOH 50 PPB LIMIT
12/09/83	69165	61400	12/29/83	USEPA/ERT	> NYSDOH 50 PPB LIMIT
12/29/83	69152	95000	12/29/83	USEPA/ERT	> NYSDOH 50 PPB LIMIT
01/06/84	68568	56000	01/12/84	USEPA/ESD	> NYSDOH 50 PPB LIMIT

WALLKILL, NEW YORK
TETRACHLOROETHYLENE SAMPLE RESULTS

COLLECTION DATE	LAB NUMBER	TETRACHLOROETHYLENE CONCENTRATION (PPB)	ANALYSIS DATE	LABORATORY	COMMENTS
* 320 HIGHLAND AVE, PARELLA					
01/12/84		65805	01/13/84	TAT/PHOTOVAC	> NYSDOH 50 PPB LIMIT
01/25/84	02507	64000	01/25/84	NYSDEC/DSHW/GC	> NYSDOH 50 PPB LIMIT
01/27/84	68576	53000	02/01/84	USEPA/ESD	> NYSDOH 50 PPB LIMIT
02/07/84	03802	65796	02/07/84	NYSDEC/DSHW/GC	> NYSDOH 50 PPB LIMIT
02/07/84	03803	62007	02/07/84	NYSDEC/DSHW/GC	> NYSDOH 50 PPB LIMIT 30 MINUTES
02/07/84	03804	58718	02/07/84	NYSDEC/DSHW/GC	> NYSDOH 50 PPB LIMIT 60 MINUTES
03/22/84	64221	44500	03/22/84	NYSDEC/DSHW/GC	> NYSDOH 50 PPB LIMIT
* 321 HIGHLAND AVE, SEELY					
10/14/83	24040	ND	10/17/83	ENVIROTEST/OCHD	
11/08/83	68804	ND	11/11/83	USEPA/ERT	
11/23/83	68541	ND	12/02/83	USEPA/ERT	
01/05/84	68561	ND	01/11/84	USEPA/ESD	
03/07/84	66283	<1	03/08/84	NYSDEC/DSHW/GC	
04/17/84	67616	ND	04/18/84	NYSDEC/DSHW/GC	
* 323 HIGHLAND AVE, GILBERT					
11/07/83		<1	11/09/83	ENVIROTEST/OCHD	
11/08/83	68803	ND	11/11/83	USEPA/ERT	
11/23/83	68540	ND	12/06/83	CLAYTON	
11/30/83		<1	12/02/83	ENVIROTEST/OCHD	
12/01/83	24888	<1	12/05/83	ENVIROTEST/OCHD	
01/05/84	68556	ND	01/11/84	USEPA/ESD	
03/07/84	66282	ND	03/08/84	NYSDEC/DSHW/GC	
04/17/84	67617	ND	04/18/84	NYSDEC/DSHW/GC	
* 325 HIGHLAND AVE, FIORE					
10/14/83	24020	<1	10/17/83	ENVIROTEST/OCHD	
11/08/83	68801	<1	11/11/83	USEPA/ERT	
11/23/83	68516	ND	12/02/83	USEPA/ERT	
11/30/83		<1	12/02/83	ENVIROTEST/OCHD	
12/01/83	24888	<1	12/05/83	ENVIROTEST/OCHD	
01/05/84	68876	ND	01/13/84	USEPA/ESD	
01/05/84	68879	.2	01/11/84	TAT/PHOTOVAC	30 MINUTES
01/05/84	68884	.3	01/11/84	TAT/PHOTOVAC	75 MINUTES
02/22/84	66258	<1	02/22/84	NYSDEC/DSHW/GC	
04/17/84	67618	<1	04/18/84	NYSDEC/DSHW/GC	

WALLKILL, NEW YORK
TETRACHLOROETHYLENE SAMPLE RESULTS

COLLECTION DATE	LAB NUMBER	TETRACHLOROETHYLENE CONCENTRATION (PPB)	ANALYSIS DATE	LABORATORY	COMMENTS
* 327 HIGHLAND AVE, LOBB					
10/14/83	24020	1800	10/17/83	ENVIROTEST/OCHD	> NYSDOH 50 PPB LIMIT
10/17/83	34288	2500	11/15/83	NYSDHCLR	> NYSDOH 50 PPB LIMIT
11/08/83	68802	1600	11/11/83	USEPA/ERT	> NYSDOH 50 PPB LIMIT
11/22/83	68512	720	12/02/83	USEPA/ERT	> NYSDOH 50 PPB LIMIT
11/26/83	69107	410	12/06/83	USEPA/ERT	> NYSDOH 50 PPB LIMIT
11/27/83	69109	880	12/02/83	USEPA/ERT	> NYSDOH 50 PPB LIMIT
11/28/83	69112	1700	12/02/83	CLAYTON	> NYSDOH 50 PPB LIMIT
02/14/84	68870	42	02/15/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
02/14/84	68872	70	02/15/84	NYSDEC/DSHW/GC	> NYSDOH 50 PPB LIMIT 30 MINUTES
02/14/84	68873	77	02/15/84	NYSDEC/DSHW/GC	> NYSDOH 50 PPB LIMIT 60 MINUTES
03/20/84	66213	39	03/20/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
* 329 HIGHLAND AVE, OSBORNE					
11/07/83		900	11/08/83	ENVIROTEST/OCHD	> NYSDOH 50 PPB LIMIT
11/08/83	68814	2400	11/11/83	USEPA/ERT	> NYSDOH 50 PPB LIMIT
02/06/84	03701	207	02/06/84	NYSDEC/DSHW/GC	> NYSDOH 50 PPB LIMIT
02/06/84	03702	92	02/06/84	NYSDEC/DSHW/GC	> NYSDOH 50 PPB LIMIT 30 MINUTES
02/06/84	03703	52	02/06/84	NYSDEC/DSHW/GC	> NYSDOH 50 PPB LIMIT 60 MINUTES
03/20/84	66211	41	03/20/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
* 335 HIGHLAND AVE, CROOKS					
11/07/83		<1	11/08/83	ENVIROTEST	
11/23/83	68518	28	12/06/83	CLAYTON	CONTAMINATION DETECTED
11/08/83	68808	ND	11/11/83	USEPA/ERT	
12/09/83	69177	ND	12/10/83	USEPA/ESD	
01/05/84	68878	ND	01/13/84	USEPA/ESD	
01/05/84	68881	ND	01/11/84	TAT/PHOTOVAC	30 MINUTES
01/05/84	68883	ND	01/11/84	TAT/PHOTOVAC	75 MINUTES
02/21/84	66242	ND	02/21/84	NYSDEC/DSHW/GC	
04/16/84	67619	ND	04/17/84	NYSDEC/DSHW/GC	
* 337 HIGHLAND AVE, GADY					
11/08/83	68809	ND	11/11/83	USEPA/ERT	
11/30/83		<1	12/02/83	ENVIROTEST/OCHD	
12/01/83	24888	<1	12/05/83	ENVIROTEST/OCHD	
01/05/84	68877	ND	01/13/84	USEPA/ESD	
01/05/84	68880	ND	01/11/84	TAT/PHOTOVAC	30 MINUTES
01/05/84	68882	ND	01/11/84	TAT/PHOTOVAC	50 MINUTES
02/21/84	66243	ND	02/21/84	NYSDEC/DSHW/GC	
04/17/84	67620	ND	04/18/84	NYSDEC/DSHW/GC	

WALLKILL, NEW YORK
TETRACHLOROETHYLENE SAMPLE RESULTS

COLLECTION DATE	LAB NUMBER	TETRACHLOROETHYLENE CONCENTRATION (PPB)	ANALYSIS DATE	LABORATORY	COMMENTS
* 338 HIGHLAND AVE, PEREZ					
10/17/83	34293	7	11/15/83	NYSDHCLR	CONTAMINATION DETECTED
11/08/83	68813	ND	11/11/83	USEPA/ERT	
11/28/83	69123	2	12/06/83	CLAYTON	CONTAMINATION DETECTED
01/05/84	68891	ND	01/10/84	USEPA/ESD	
01/05/84	68892	2.6	01/11/84	TAT/PHOTOVAC	CONTAMINATION DETECTED 30 MINUTES
01/05/84	68893	1	01/11/84	TAT/PHOTOVAC	CONTAMINATION DETECTED 45 MINUTES
* 339 HIGHLAND AVE, PERRY					
11/08/83	68810	ND	11/11/83	USEPA/ERT	
11/22/83	68510	ND	12/02/83	USEPA/ERT	
01/05/84	68560	ND	01/11/84	USEPA/ESD	
03/07/84	66281	ND	03/08/84	NYSDEC/DSHW/GC	
04/17/84	67621	ND	04/17/84	NYSDEC/DSHW/GC	
* 341 HIGHLAND AVE, COURTEAU					
11/08/83	68811	ND	11/11/83	USEPA/ERT	
11/22/83	68509	ND	12/02/83	USEPA/ERT	
01/05/84	68555	ND	01/10/84	USEPA/ESD	
03/07/84	66290	ND	03/08/84	NYSDEC/DSHW/GC	
04/17/84	67622	ND	04/18/84	NYSDEC/DSHW/GC	
* 344 HIGHLAND AVE, ROSELLI					
10/14/83	24020	<1	10/17/83	ENVIROTEST/OCHD	CITY WATER
11/07/83		<1	11/09/83	ENVIROTEST/OCHD	CITY WATER
11/08/83	68812	ND	11/11/83	USEPA/ERT	CITY WATER
* 353 HIGHLAND AVE, ERNEST					
11/22/83	68505	ND	12/02/83	USEPA/ERT	
01/05/84	68554	ND	01/09/84	USEPA/ESD	
03/07/84	66280	ND	03/08/84	NYSDEC/DSHW/GC	
04/18/84	67631	ND	01/19/84	NYSDEC/DSHW/GC	
* 355 HIGHLAND AVE, PITT					
11/28/83	69117	165	12/06/83	CLAYTON	> NYSDOH 50 PPB LIMIT
12/09/83	69167	<1	12/10/83	ENVIROTEST/OCHD	
01/05/84	68559	ND	01/11/84	USEPA/ESD	
03/07/84	66296	ND	03/08/84	NYSDEC/DSHW/GC	

WALLKILL, NEW YORK
TETRACHLOROETHYLENE SAMPLE RESULTS

COLLECTION DATE	LAB NUMBER	TETRACHLOROETHYLENE CONCENTRATION (PPB)	ANALYSIS DATE	LABORATORY	COMMENTS
* 357 HIGHLAND AVE, SCHMALL					
11/22/83	68507	ND	12/02/83	USEPA/ERT	
01/05/84	68551	<2	01/09/84	USEPA/ESD	
03/06/84	66279	ND	03/06/84	NYSDEC/DSHW/GC	
* 361 HIGHLAND AVE, NOYES					
11/22/83	68506	ND	12/02/83	USEPA/ERT	
01/05/84	68553	ND	01/09/84	USEPA/ESD	
03/06/84	66278	ND	03/06/84	NYSDEC/DSHW/GC	
* 363 HIGHLAND AVE, LENT					
11/28/83	69116	ND	12/06/83	CLAYTON	
01/05/84	68551	ND	01/09/84	USEPA/ESD	
03/06/84	66293	ND	03/06/84	NYSDEC/DSHW/GC	
* 400 HIGHLAND AVE, KUHL					
11/22/83	68504	ND	12/02/83	USEPA/ERT	
03/06/84	66277	ND	03/06/84	NYSDEC/DSHW/GC	
04/17/84	67612	ND	04/17/84	NYSDEC/DSHW/GC	
* 408 HIGHLAND AVE, KUHL					
11/22/83	68505	ND	12/02/83	USEPA/ERT	
01/05/84	68564	<2	01/13/84	USEPA/ESD	
04/17/84	67611	ND	04/17/84	NYSDEC/DSHW/GC	
* 409 HIGHLAND AVE, FEDERAL CABINET					
01/06/84	68567	ND	01/12/84	USEPA/ESD	
02/23/84	66263	ND	02/23/84	NYSDEC/DSHW/GC	
04/17/84	67608	ND	04/17/84	NYSDEC/DSHW/GC	
* 409A HIGHLAND AVE, R.C. PRYOR					
01/06/84	68566	ND	01/11/84	USEPA/ESD	
02/23/84	66264	ND	02/23/84	NYSDEC/DSHW/GC	
04/17/84	67609	ND	04/17/84	NYSDEC/DSHW/GC	
* 420 HIGHLAND AVE, ORANGE HANDLING					
04/17/84	67610	<1	04/17/84	NYSDEC/DSHW/GC	

WALLKILL, NEW YORK
TETRACHLOROETHYLENE SAMPLE RESULTS

COLLECTION DATE	LAB NUMBER	TETRACHLOROETHYLENE CONCENTRATION (PPB)	ANALYSIS DATE	LABORATORY	COMMENTS
* LOT NO.4 HIGHLAND AVE, STOUT					
11/15/83	63941	ND	12/16/83	USEPA/ESD	
* SEWER MANHOLE ON HIGHLAND AND PARK AVE					
12/07/83	34206	<2	12/08/83	NYSDEC/DSHW/GC	
01/26/84	02607	11	01/26/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
* INDUSTRIAL PLACE - MANHOLE AT STREET END					
01/26/84	02606	23.5	01/26/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
01/26/84	02605	1250	01/26/84	NYSDEC/DSHW/GC	> NYSDOH 50 PPB LIMIT
* INDUSTRIAL PLACE SECOND MANHOLE					
12/07/83	34208	720	12/08/83	NYSDEC/DSHW/GC	> NYSDOH 50 PPB LIMIT
* INDUSTRIAL PLACE, GENERAL SWITCH					
10/17/83	34621	1100	11/29/83	NYSDHCLR	> NYSDOH 50 PPB LIMIT
12/22/83	68991	1294	12/22/83	TAT/PHOTOVAC	> NYSDOH 50 PPB LIMIT
12/22/83	68992	2156	12/22/83	TAT/PHOTOVAC	> NYSDOH 50 PPB LIMIT 30 MINUTES
12/22/83	68993	3877	12/22/83	TAT/PHOTOVAC	> NYSDOH 50 PPB LIMIT 45 MINUTES
12/29/83	68999	2051	12/29/83	TAT/PHOTOVAC	> NYSDOH 50 PPB LIMIT
12/29/83	69000	1772	12/29/83	TAT/PHOTOVAC	> NYSDOH 50 PPB LIMIT
02/02/84	03304	1320	02/02/84	NYSDEC/DSHW/GC	> NYSDOH 50 PPB LIMIT 120 MINUTES
02/02/84	03305	1760	02/02/84	NYSDEC/DSHW/GC	> NYSDOH 50 PPB LIMIT 180 MINUTES
02/02/84	03306	1660	02/02/84	NYSDEC/DSHW/GC	> NYSDOH 50 PPB LIMIT 240 MINUTES
02/02/84	03301	1440	02/02/84	NYSDEC/DSHW/GC	> NYSDOH 50 PPB LIMIT 30 MINUTES
02/02/84	03302	1480	02/02/84	NYSDEC/DSHW/GC	> NYSDOH 50 PPB LIMIT 60 MINUTES
02/02/84	03303	1340	02/02/84	NYSDEC/DSHW/GC	> NYSDOH 50 PPB LIMIT 90 MINUTES
* INDUSTRIAL PLACE, GENERAL SWITCH - SEWER LINE					
01/26/84	02603	667	01/26/84	NYSDEC/DSHW/GC	> NYSDOH 50 PPB LIMIT

WALLKILL, NEW YORK
TETRACHLOROETHYLENE SAMPLE RESULTS

COLLECTION DATE	LAB NUMBER	TETRACHLOROETHYLENE CONCENTRATION (PPB)	ANALYSIS DATE	LABORATORY	COMMENTS
* INDUSTRIAL PLACE, GENERAL SWITCH - SOIL					
10/18/83	34412	UG/G 450	10/20/83	NYSDHCLR	> NYSDOH 50 PPB LIMIT
10/18/83	34413	UG/G 1.2	10/20/83	NYSDHCLR	CONTAMINATION DETECTED
12/07/83	34103	<1	12/07/83	NYSDEC/DSHW/GC	SURFACE
12/07/83	34101	UG/G 126	12/07/83	NYSDEC/DSHW/GC	> NYSDOH 50 PPB LIMIT 1 FOOT DEEP
12/07/83	34101	UG/G 17.5	12/07/83	NYSDEC/DSHW/GC	CONTAMINATION DETECTED SURFACE
12/07/83	34101	UG/G 115	12/07/83	NYSDEC/DSHW/GC	> NYSDOH 50 PPB LIMIT 2 FEET DEEP
12/08/83	34102	UG/G 4.7	12/08/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED 2 1/2 FEET DEEP
* INDUSTRIAL PLACE, GENERAL SWITCH COOLING WATER					
12/07/83	34209	20	12/08/83	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
* INDUSTRIAL PLACE, GUILD MOLDERS					
01/12/84	68571	ND	01/13/84	TAT/ PHOTOVAC	
04/17/84	67607	ND	04/17/84	NYSDEC/DSHW/GC	
* INDUSTRIAL PLACE, GUILD MOLDERS - PROCESS WATER					
12/21/83	68962	<1	01/03/84	ENVIROTEST	
* INDUSTRIAL PLACE, HERTZBURG BRUSH - 1ST MANHOLE					
12/21/83	68961	280	01/03/84	ENVIROTEST	> NYSDOH 50 PPB LIMIT
01/26/84	02601	32	01/26/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
* INDUSTRIAL PLACE, HERTZBURG BRUSH - 3RD MANHOLE					
01/26/84	02602	46	01/26/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
* INDUSTRIAL PLACE, JUNKYARD - MANHOLE IN MIDDLE					
01/26/84	02606	608	01/26/84	NYSDEC/DSHW/GC	> NYSDOH 50 PPB LIMIT
01/26/84	02609	168	01/26/84	NYSDEC/DSHW/GC	> NYSDOH 50 PPB LIMIT
* INDUSTRIAL PLACE, LUBE PACKING - MANHOLE					
12/07/83	34207	2400	12/08/83	NYSDEC/DSHW/GC	> NYSDOH 50 PPB LIMIT
01/26/84	02604	1400	01/26/84	NYSDEC/DSHW/GC	> NYSDOH 50 PPB LIMIT

WALLKILL, NEW YORK
TETRACHLOROETHYLENE SAMPLE RESULTS

COLLECTION DATE	LAB NUMBER	TETRACHLOROETHYLENE CONCENTRATION (PPB)	ANALYSIS DATE	LABORATORY	COMMENTS
* INDUSTRIAL PLACE, LUBE PACKING - SOIL					
12/08/83	34203	UG/G <1	12/08/83	NYSDEC/DSHW/GC	1 FOOT DEEP
12/08/83	34204	UG/G 2.7	12/08/83	NYSDEC/DSHW/GC	CONTAMINATION DETECTED 6 INCHES DEEP
12/08/83	34201	UG/G 4.5	12/08/83	NYSDEC/DSHW/GC	CONTAMINATION DETECTED 1 FOOT DEEP
12/08/83	34201	UG/G 3.5	12/08/83	NYSDEC/DSHW/GC	CONTAMINATION DETECTED 3 FEET DEEP
12/08/83	34202	UG/G 3.2	12/08/83	NYSDEC/DSHW/GC	CONTAMINATION DETECTED SURFACE
12/08/83	34202	UG/G <1	12/08/83	NYSDEC/DSHW/GC	1 FOOT DEEP
12/08/83	34203	UG/G <1	12/08/83	NYSDEC/DSHW/GC	1 FOOT DEEP
* INDUSTRIAL PLACE, STREAM SAMPLE					
12/29/83	68998	0.6	12/29/83	TAT/PHOTOVAC	
* 29 PARK AVE, EBERT					
02/21/84	66246	ND	02/21/84	NYSDEC/DSHW/GC	
04/16/84	66222	ND	04/17/84	NYSDEC/DSHW/GC	
* 34 PARK AVE, DUCO					
11/23/83	68550	ND	12/06/83	CLAYTON	
02/23/84	66266	ND	02/23/84	NYSDEC/DSHW/GC	
04/16/84	66224	ND	04/17/84	NYSDEC/DSHW/GC	
* RD3 BISCH RD, GOODRICH					
12/21/83	68963	<1	01/03/84	ENVIROTEST	
02/22/84	66254	ND	02/22/84	NYSDEC/DSHW/GC	
* RD3 MAPLE RD, HOFFMAN					
12/21/83	68964	<1	01/03/84	ENVIROTEST	
02/22/84	66255	ND	02/22/84	NYSDEC/DSHW/GC	
* 103 ROCKWELL AVE, PENNINGTON					
02/21/83	68986	<1	01/03/84	ENVIROTEST	
* 167 ROCKWELL AVE, BILA					
02/21/84	66241	ND	02/21/84	NYSDEC/DSHW/GC	

WALLKILL, NEW YORK
TETRACHLOROETHYLENE SAMPLE RESULTS

COLLECTION DATE	LAB NUMBER	TETRACHLOROETHYLENE CONCENTRATION (PPB)	ANALYSIS DATE	LABORATORY	COMMENTS
* 172 ROCKWELL AVE, BROWN					
02/08/84	03907	<1	02/08/84	NYSDEC/DSHW/GC	
* SPIKE					
12/20/83	68978	93	12/28/83	ENVIROTEST	
12/20/83	68978	92	01/05/84	ENVIROTEST	
* MIDDLETOWN STP EFFLUENT					
12/07/83	34214	4	12/08/83	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
01/18/84	01813	<1	01/24/84	NYSDEC/DSHW/GC	
01/19/84	01906	<1	01/24/84	NYSDEC/DSHW/GC	
02/08/84	03904	1	02/08/84	NYSDEC/SDHW/GC	CONTAMINATION DETECTED
02/09/84	04002	1	02/09/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
* MIDDLETOWN STP INFLUENT					
10/18/83	34414	260	10/20/83	NYSDHCLR	> NYSDOH 50 PPB LIMIT
12/07/83	34213	30	12/08/83	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
01/19/84	01907	3	01/24/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
02/08/84	03803	9	02/08/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
02/09/84	04001	6	02/09/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
* MONHAGEN BROOK - DOWNSTREAM OF MIDDLETOWN STP					
12/07/83	34211	4	12/08/83	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
01/18/84	01814	<1	01/24/84	NYSDEC/DSHW/GC	
01/19/84	01905	<1	01/24/84	NYSDEC/DSHW/GC	
02/08/84	03906	1	02/08/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
02/09/84	04004	1	02/09/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
* MONHAGEN BROOK - UPSTREAM OF MIDDLETOWN STP					
12/07/83	34212	ND	12/08/83	NYSDEC/DSHW/GC	
01/18/84	01812	<1	01/24/84	NYSDEC/DSHW/GC	
01/19/84	01904	<1	01/24/84	NYSDEC/DSHW/GC	
02/08/84	03905	<1	02/04/84	NYSDEC/DSHW/GC	
02/09/84	04003	<1	02/09/84	NYSDEC/DSHW/GC	
* TANK TO SEWER					
11/23/83	68545	>12000	12/06/83	CLAYTON	> NYSDOH 50 PPB LIMIT
11/26/83	69108	38900	12/06/83	USEPA/ERT	> NYSDOH 50 PPB LIMIT
11/27/83	69110	16300	12/06/83	USEPA/ERT	> NYSDOH 50 PPB LIMIT
11/28/83	69113	7000	12/06/83	USEPA/ERT	> NYSDOH 50 PPB LIMIT
11/29/83	68549	5300	12/06/83	USPEPA/ERT	> NYSDOH 50 PPB LIMIT
11/29/83		2300	12/03/83	NYSDHCLR	> NYSDOH 50 PPB LIMIT

WALLKILL, NEW YORK
TETRACHLOROETHYLENE SAMPLE RESULTS

COLLECTION DATE	LAB NUMBER	TETRACHLOROETHYLENE CONCENTRATION (PPB)	ANALYSIS DATE	LABORATORY	COMMENTS
* TANK TO SEWER					
12/01/83	69125	29023	12/15/83	TAT/PHOTOVAC	> NYSDOH 50 PPB LIMIT
12/01/83	69141	44798	12/15/83	TAT/PHOTOVAC	> NYSDOH 50 PPB LIMIT
12/03/83	69145	25979	12/15/83	TAT/PHOTOVAC	> NYSDOH 50 PPB LIMIT
12/05/83	69153	53000	12/16/83	USEPA/ERT	> NYSDOH 50 PPB LIMIT
12/06/83	69176	48000	12/19/83	USEPA/ERT	> NYSDOH 50 PPB LIMIT
12/07/83		33000	12/19/83	NYSDHCLR	> NYSDOH 50 PPB LIMIT
11/25/83	69103	34000	12/30/84	USEPA/ERT	> NYSDOH 50 PPB LIMIT
* TANK TO SEWER BOTTOM					
12/07/83	34105	25000	12/08/83	NYSDEC/DSHW/GC	> NYSDOH 50 PPB LIMIT
* TANK TO SEWER TOP					
12/07/83	34104	33000	12/08/83	NYSDEC/DSHW/GC	> NYSDOH 50 PPB LIMIT
* WALKILL RIVER AT COUNTY ROAD #53					
01/19/84	01902	<1	01/24/84	NYSDEC/DSHW/GC	
* WALLKILL RIVER - DOWNSTREAM OF WALLKILL STP					
12/07/83	69164	ND	12/20/83	USEPA/ERT	
12/07/83	34109	<2	12/08/83	NYSDEC/DSHW/GC	
* WALLKILL RIVER - UPSTREAM OF WALLKILL STP					
11/23/83	68537	ND	12/06/83	USEPA/ERT	
12/07/83	69163	ND	12/20/83	USEPA/ERT	
12/07/83	34108	10	12/08/83	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
01/19/84	01910	<1	01/24/84	NYSDEC/DSHW/GC	
* WALLKILL RIVER AT MIDWAY ROAD					
01/19/84	01901	<1	01/24/84	NYSDEC/DSHW/GC	
* WALLKILL RIVER AT ROUTE 17M					
01/19/84	01903	<1	01/24/84	NYSDEC/DSHW/GC	
* WALLKILL STP EFFLUENT					
11/23/83	68520	FAILED QC	12/06/83	CLAYTON	
11/24/83	68547	11	12/06/83	CLAYTON	CONTAMINATION DETECTED
11/29/83		10	12/03/83	NYSDHCLR	CONTAMINATION DETECTED
12/01/83	69140	1	12/15/83	TAT/PHOTOVAC	CONTAMINATION DETECTED
12/02/83	69144	2	12/06/83	USEPA/ERT	CONTAMINATION DETECTED

WALLKILL, NEW YORK
TETRACHLOROETHYLENE SAMPLE RESULTS

COLLECTION DATE	LAB NUMBER	TETRACHLOROETHYLENE CONCENTRATION (PPB)	ANALYSIS DATE	LABORATORY	COMMENTS
* WALLKILL STP EFFLUENT					
12/03/83	69148	5	12/15/83	TAT/PHOTOVAC	CONTAMINATION DETECTED
12/05/83	69155	3.7	12/15/83	USEPA/ERT	CONTAMINATION DETECTED
12/07/83	69162	2.3	12/20/83	USEPA/ERT	CONTAMINATION DETECTED
12/07/83	34107	<2	12/08/83	NYSDEC/DSHW/GC	
01/19/84	01909	<1	01/24/84	NYSDEC/DSHW/GC	
01/25/84	02503	<1	01/25/84	NYSDEC/DSHW/GC	
01/25/84	02505	<1	01/25/84	NYSDEC/DSHW/GC	
01/25/84	02509	<1	01/25/84	NYSDEC/DSHW/GC	
01/25/84	02514	5	01/25/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
11/23/83	68522	3	12/06/83	CLAYTON	CONTAMINATION DETECTED
* WALLKILL STP INFLUENT					
11/23/83	68514	ND	12/02/83	USEPA/ERT	
11/23/83	68519	ND	12/02/83	USEPA/ERT	
11/23/83	68521	FAILED QC	12/06/83	CLAYTON	
11/24/83	68546	3	12/06/83	USEPA/ERT	CONTAMINATION DETECTED
12/01/83	69139	29	12/15/83	TAT/PHOTOVAC	CONTAMINATION DETECTED
12/02/83	69143	50	12/06/83	USEPA/ERT	> NYSDOH 50 PPB LIMIT
12/03/83	69147	12	12/16/83	USEPA/ERT	CONTAMINATION DETECTED
12/05/83	69154	39	12/16/83	USEPA/ERT	CONTAMINATION DETECTED
12/07/83	69160	26	12/20/83	USEPA/ERT	CONTAMINATION DETECTED
12/07/83	34106	20	12/08/83	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
01/19/84	01911	4	01/24/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
01/25/84	02501	2	01/25/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
01/25/84	02504	3	01/25/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
01/25/84	02508	85	01/25/84	NYSDEC/DSHW/GC	> NYSDOH 50 PPB LIMIT
01/25/84	02513	15	01.25.84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
* 164 WATKINS AVE, HAMMARQUIST					
11/29/83	69131	ND	12/06/83	CLAYTON	
03/07/84	66291	ND	03/08/84	NYSDEC/DSHW/GC	
* 168 WATKINS AVE, WEGENROTH					
11/29/83	69132	NA	11/29/83	LOST/ NO RESULTS	
* 175 WATKINS AVE, HOLMES					
11/29/83	69133	ND	12/06/83	CLAYTON	
* 186 WATKINS AVE, WINNER					
11/22/83	68511	ND	12/06/83	USEPA/ERT	
01/31/84	03109	1.1	01/31/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
01/31/84	03110	<1	01/31/84	NYSDEC/DSHW/GC	30 MINUTES

WALLKILL, NEW YORK
TETRACHLOROETHYLENE SAMPLE RESULTS

COLLECTION DATE	LAB NUMBER	TETRACHLOROETHYLENE CONCENTRATION (PPB)	ANALYSIS DATE	LABORATORY	COMMENTS
* 186 WATKINS AVE, WINNER					
01/31/84	03111	<1	01/31/84	NYSDEC/DSHW/GC	90 MINUTES
02/21/84	66248	ND	02/21/84	NYSDEC/DSHW/GC	
04/17/84	67625	ND	04/18/84	NYSDEC/DSHW/GC	
* 187 WATKINS AVE, RASSMUSSEN					
11/29/83	69134	12	12/06/83	USEPA/ERT	CONTAMINATION DETECTED
12/09/83	69185	ND	12/10/83	USEPA/ESD	
01/31/84	03106	1.8	01/31/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
01/31/84	03107	2.5	01/31/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED 30 MINUTES
01/31/84	03108	3.7	01/31/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED 45 MINUTES
03/20/84	66214	<1	03/20/84	NYSDEC/DSHW/GC	
04/17/84	67624	ND	04/18/84	NYSDEC/DSHW/GC	
* 190 WATKINS AVE, MORSE					
11/29/83	69135	4	12/06/83	USEPA/ERT	CONTAMINATION DETECTED
12/09/83	69178	ND	12/10/83	USEPA/ESD	
01/31/84	03112	<1	01/31/84	NYSDEC/DSHW/GC	
02/21/84	66247	ND	02/21/84	NYSDEC/DSHW/GC	
* 228-230 WATKINS AVE, PRIOR KING PRESS					
10/17/83	34219	ND	11/15/83	NYCDHCLR	
11/29/83	69130	ND	12/06/83	CLAYTON	
01/31/84	03101	2.3	01/31/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
01/31/84	03102	2.3	01/31/84	NYSDEC/DSHW/GG	CONTAMINATION DETECTED 30 MINUTES
03/21/84	66215	ND	03/21/84	NYSDEC/DSHW/GC	
* 229 WATKINS AVE, RADIVOY					
11/28/83	69111	ND	12/06/83	CLAYTON	
12/09/83	69184	ND	12/10/83	USEPA/ERT	
01/31/84	03103	4.5	01/31/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED
01/31/84	03104	5	01/31/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED 30 MINUTES
01/31/84	03105	3.6	01/31/84	NYSDEC/DSHW/GC	CONTAMINATION DETECTED 60 MINUTES
03/21/84	66216	ND	03/21/84	NYSDEC/DSHW/GC	
04/17/84	67623	ND	04/18/84	NYSDEC/DSHW/GC	

WALLKILL, NEW YORK
TETRACHLOROETHYLENE SAMPLE RESULTS

COLLECTION DATE	LAB NUMBER	TETRACHLOROETHYLENE CONCENTRATION (PPB)	ANALYSIS DATE	LABORATORY	COMMENTS
* 233 WATKINS AVE, JEHOVAH'S WITNESS CHURCH					
12/06/83	68524	ND	12/19/83	USEPA/ERT	
04/17/84	67626	ND	04/18/84	NYSDEC/DSHW/GC	
* 238 WATKINS AVE, COSMO OPTICS - NEW WELL					
11/29/83	69127	ND	12/06/83	CLAYTON	
12/09/83	69182	ND	12/10/83	USEPA/ESD	
02/09/84	04005	ND	02/09/84	NYSDEC/DSHW/GC	
02/09/84	04006	ND	02/09/84	NYSDEC/DSHW/GC	30 MINUTES
03/21/84	66217	ND	03/21/84	NYSDEC/DSHW/GC	
* 238 WATKINS AVE, COSMO OPTICS - OLD WELL					
11/29/83	69128	6	12/06/83	CLAYTON	CONTAMINATION DETECTED
12/09/83	69181	ND	12/10/83	USEPA/ESD	
02/08/84	03901	<1	02/08/84	NYSDEC/DSHW/GC	
02/08/84	03902	<1	02/08/84	NYSDEC/DSHW/GC	30 MINUTES
03/21/84	66218	ND	03/21/84	NYSDEC/DSHW/GC	
* 239 WATKINS AVE, WAND					
11/29/83	69129	2	12/06/83	CLAYTON	CONTAMINATION DETECTED
12/09/83	69183	ND	12/10/83	USEPA/ESD	
01/12/84	68573	<.5	01/13/84	TAT/ PHOTOVAC	
01/12/84	68573	ND	01/13/84	TAT/PHOTOVAC	30 MINUTES
01/12/84	68573	ND	01/13/84	TAT/PHOTOVAC	75 MINUTES
03/07/84	66287	ND	03/08/84	NYSDEC/DSHW/GC	
* 251 WATKINS AVE, SAXTON					
11/29/83	69126	ND	12/06/83	CLAYTON	
01/12/84	68572	ND	01/13/84	TAT/PHOTOVAC	
01/12/84	68572	ND	01/13/84	TAT/PHOTOVAC	30 MINUTES
01/12/84	58572	ND	01/13/84	TAT/PHOTOVAC	90 MINUTES
03/07/84	66288	ND	03/08/84	NYSDEC/DSHW/GC	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION II
EDISON, NEW JERSEY 08837

February 29, 1984

Mr. Albert Klauss, Regional Engineer
New York State Dept. of Environmental Conservation
21 South Putt Corner
New Paltz, New York, 12561

Dear Mr. Klauss:

Attached please find the results of the samples collected in the affected area of Wallkill, New York from November, 1983 through February 24, 1984. To date, a total of 398 samples have been collected. This sampling program has identified 13 wells with contamination levels ranging between 1 and 50 ppb and an additional 8 wells with contamination levels over 50 ppb. Of these 8, 1 (General Switch) is an industrial well that is not in service.

In the above summary, the Pitt well (Ref. pg. 9) was included in the group with levels ranging between 1 and 50 ppb. The reason is, that although the concentration of one sample was 165 ppb, two later samples did not indicate levels greater than 1 ppb.

Sample results are to be released only by Dr. Russel Johnson, Commissioner, Orange County Department of Health.

This data base will be updated on a weekly basis as additional sampling is performed.

Sincerely yours,

George H. Zachos

George Zachos
Emergency Response Section

cc 4/23/84

Attachments

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION II
EDISON, NEW JERSEY 08837

March 30,1984

Mr. Albert Klauss, Regional Engineer
New York State Department
of Environmental Conservation
21 South Putt Corner
New Paltz, New York, 12561

Dear Mr. Klauss:

Attached please find the results of the samples collected in the affected area of Wallkill, New York from November, 1983 through March 23, 1984. To date, a total of 460 samples have been collected. This sampling program has identified 13 wells with contamination levels ranging between 1 and 50 ppb and an additional 8 wells with contamination levels over 50 ppb. Of these 8, 1 (General Switch) is an industrial well that is not in service.

In the above summary, the Pitt well (Ref. pg. 9) was included in the group with levels ranging between 1 and 50 ppb. The reason is, that although the concentration of one sample was 165 ppb, two later samples did not indicate levels greater than 1 ppb.

During the week of March 19 through 23, 1984, 14 wells that had previously shown contamination were sampled in the affected area. The fourteen wells (9 wells on Highland Avenue, and 5 wells on Watkins Avenue) were sampled to determine present levels of existing contamination in the wells.

Sample results are to be released only by Dr. Russel Johnson, Commissioner, Orange County Department of Health.

This data base will be updated on a weekly basis as additional sampling is performed.

Sincerely yours,

George H. Zachos

George Zachos
Emergency Response Section

Attachments

see 4/25/84

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION II
EDISON, NEW JERSEY 08837

Mr. Albert Klauss, Regional Engineer
New York State Department
of Environmental Conservation
21 South Putt Corner
New Paltz, New York, 12561

Dear Mr. Klauss:

Attached please find the results of the samples collected in the affected area of Wallkill, New York from November, 1983 through March 9, 1984. To date, a total of 446 samples have been collected. This sampling program has identified 13 wells with contamination levels ranging between 1 and 50 ppb and an additional 8 wells with contamination levels over 50 ppb. Of these 8, 1 (General Switch) is an industrial well that is not in service.

In the above summary, the Pitt well (Ref. pg. 9) was included in the group with levels ranging between 1 and 50 ppb. The reason is, that although the concentration of one sample was 165 ppb, two later samples did not indicate levels greater than 1 ppb.

During the week of February 27 through March 3, 1984 and March 12 through 16, 1984 no samples were collected or analyzed due to prior NYSDEC/DSHW field laboratory personal commitment.

During the week of March 5 through 9, 1984, 30 wells were sampled in the affected area. Thirteen wells on Commonwealth Avenue were sampled to determine the extent of horizontal contamination. Twelve wells on Highland Avenue, 3 on Watkins Avenue and 1 on Park Avenue were collected to determine the extent of localized plume movement. Additionally, soil sample results taken at General Switch and Lube Packing were also added to the data base.

see 9/25/84

Sample results are to be released only by Dr. Russel Johnson, Commissioner, Orange County Department of Health.

This data base will be updated on a weekly basis as additional sampling is performed.

Sincerely yours,

George H. Zachos

George Zachos
Emergency Response Section

Attachments

COUNTY OF ORANGE / Department of Health
LOUIS HEIMBACH, County Executive
124 MAIN STREET
GOSHEN, NEW YORK 10924 TEL: 914-294-7961

Walter O. Latzko
President, Board of Health

Russell C. Johnson, M.D.
Commissioner of Health

January 18, 1983

Mr. Albert Klauss
Regional Engineer, Region 3
New York State Department of Environmental Conservation
21 South Putt Corners Road
New Paltz, N.Y. 12561

Dear Mr. Klauss,

Your letter of January 11, 1984 was received in the mail January 18, 1984.

Based upon the most recent private well test results which are unfortunately now a month old, the Health Department has identified the area with the highest priority at this time. That area consists of Highland Avenue from Park Avenue north to #363 Highland Avenue.

However, unless there is evidence to show that the plume of pollutant has been confined, it may be necessary to alter the area to be identified. As there has been little progress in either identifying the source of the pollutant or removing it, I would have to consider Watkins Avenue from Park Avenue north as a potential for future identification.

The Health Department has approved plans submitted by the Town of Wallkill for a water main on Highland Avenue.

I look for an expeditious affirmative decision for funding of water mains for the affected area from the Federal Superfund.

Sincerely yours,

Russell C. Johnson, M.D.
Commissioner of Health

CC: L. Marsh, N.Y.S.D.E.C.
D. Cosgrove, Supervisor, Town of Wallkill
L. Hetling, N.Y.S.D.O.H.
R. Hutchings, Mayor, City of Middletown

CC: F. Rubel, U.S.E.P.A.
L. Heimbach, Orange County Executive
W. Larkin, Assemblyman
M. McPhillips, Assemblywoman
R. Kassel, County Legislator
R. Murphy, County Legislator
R. Schermerhorn, State Senatory
B. Gilman, Congressman

336025

Rich/Rom

New York State Department of Environmental Conservation
ivision of Environmental Enforcement
202 Mamaroneck Avenue Room 304
White Plains, N.Y. 10601-5381

Henry G. Williams
Commissioner

April 9, 1985

Mr. M. J. Schleifer, P.E.
Assistant Commissioner
Orange County Dept. of Health
124 Main Street
Goshen, New York 10924

Re: GENERAL SWITCH CORP.
City of Middletown

Dear Mr. Schleifer:

This office has been asked to respond to your letter to Paul Keller, dated March 26, regarding the above company.

The Division of Environmental Enforcement is currently in negotiation with General Switch Corp. toward an Order on Consent that would address soil contamination on the General Switch site. The Order would provide for a definitive on-site soil study that would enable this Department to determine the nature of appropriate remediation of contaminated soil.

We are hopeful that an agreement on this point will be reached shortly. We will advise you if these negotiations are successful.

Very truly yours,

Louis A. Evans

Louis A. Evans
Sr. Attorney

LE/jg
cc: Paul Keller
Albert Klauss
Rocky Piaggione