



EBIZNEWDOC

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Report.HW336025.12-20-1984.SamplingOff-siteWells

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EBIZNEWDOC





COUNTY OF ORANGE

LOUIS HEIMBACH, County Executive

RECEIVED

DEC 26 1984

Department of Health

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

December 20, 1984

Chief, Hazardous Waste Site Branch
U.S. Environmental Protection Agency
Office of Emergency and Remedial Response
26 Federal Plaza, Room 402
New York, N.Y. 10278

Att'n: Pat Wells, Project Director

Gentlemen:

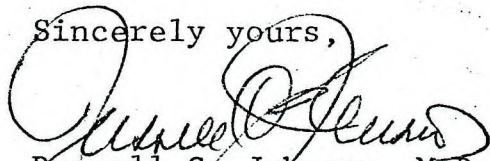
I hereby request the wells at the addresses below be included in the next round of sampling:

- | | |
|------------------|-------------------------|
| 1. Knapp | 317 Highland Avenue |
| 2. Tessler | 287 Highland |
| 3. Smith | 291 Highland |
| 4. Janiak | 295 Highland |
| 5. Ogden | 319 Highland |
| 6. Seely | 321 Highland |
| 7. Gilbert | 323 Highland |
| 8. Fiore | 325 Highland |
| 9. Crooks | 335 Highland |
| 10. Gady | 337 Highland |
| 11. Caspe | 338 Highland |
| 12. Perry | 339 Highland |
| 13. Ernest | 353 Highland |
| 14. Schmall | 357 Highland |
| 15. Noyes | 361 Highland |
| 16. Lent | 363 Highland |
| 17. Winner | 186 Watkins Avenue |
| 18. Cosmo Optics | 238 Watkins |
| 19. Dickerson | 173 Commonwealth Avenue |
| 20. Reagan | 176 Commonwealth |
| 21. Hite | 192 Commonwealth |
| 22. Bliven | 206 Commonwealth |
| 23. Norburry | 211 Commonwealth |
| 24. Runnalls | 226 Commonwealth |
| 25. Caffery | 232 Commonwealth |

Chief, Hazardous Waste Site Branch
December 20, 1984
Page 2

Your assistance in obtaining information as to the status of these wells will be appreciated.

Sincerely yours,



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

RCJ/sb

cc: D. Lipsky, F.C. Hart Assoc.
P. Keller, NYSDEC ✓
A. Reilly, NYSDOH Southern Region
M. J. Schleifer, Assist. Comm. Env. Health, OCHD

RECEIVED

DEC 27 1984

ADMINISTRATIVE UNIT
REGION #3

U.S. ENVIRONMENTAL PROTECTION AGENCY

POLLUTION REPORT

DATE: December 14, 1984

Region II
Response and Prevention Branch
Edison, NJ 08837

(201) 321-6670 - Commercial
(201) 548-8730 - 24 Hr. Emergency
340-6670 - FTS

TO: C. Daggett, EPA
W. Librizzi, EPA
F. Rubel, EPA
J. Marshall, EPA
W. Mugdan, EPA
B. Ogg, EPA
ERD, EPA Washington
(Data Gram)
NRC
N. Nosenchuck, NYSDEC
P. Keller, NYSDEC
J. Anderson, HHS
R. Johnson, OCDOH
D. Cosgrove, Town of Wallkill
R. Hutching, City of Middletown

RECEIVED

DEC 27 1984

NYSDEC
New Paltz

POLREP NO.: Twenty (20)
INCIDENT NAME: Wallkill, New York
SITE/SPILL NO.: A7
POLLUTANT: Tetrachloroethylene
CLASSIFICATION: Medium
SOURCE: Unknown
LOCATION: Wallkill, New York
AMOUNT: Unknown
WATER BODY: Groundwater

1. SITUATION:

A. As of November 19, 1984 nine (9) homes are hooked up to temporary water in the Town of Wallkill. They include:

Parella - 320 Highland Avenue
Stout - 316 Highland Avenue
Lobb - 327 Highland Avenue
Osbourne - 329 Highland Avenue
Lewis - 313 Highland Avenue
Liska - 304 Highland Avenue
Knapp - 317 Highland Avenue
Ruppert - 307 Highland Avenue
Barry - 309 Highland Avenue
Robaina - 297 Highland Avenue

2. ACTION TAKEN:

A. The installation of a 12" water line along Highland Avenue was completed during the period from November 15-30, 1984. The work was performed by personnel from the Town of Wallkill and Orange County. The engineering plans were provided by the town's consultant, Eustance & Horowitz, P.C..

B. Fred C. Hart Associates (FCHA) will continue to sample homes on a month to month basis; under the guidance of Dr. Johnson, of the Orange County Health Department. Thus far, no other wells have been discovered with contamination greater than 50 ppb.

C. On October 30, 1984 Phase 1 of FCHA "Hydrogeologic Investigation" was submitted to U.S. EPA for review.

D. On November 27, 1984 members of EPA's Response & Prevention Branch, EPA's Enforcement Branch and TAT met at Highland Ave., Town of Wallkill. The purpose was to discuss the FCHA "Hydrogeologic Investigation," view the location of the FCHA monitoring wells, and observe the installation of sections of the 12" water main and fire hydrants on Highland Avenue.

E. Financial Status:

A. Total Authorized for Mitigation Contracts (Trust Fund)	\$ 100,000.00
--	---------------

B. Expenditures for Mitigation
Contracts

1.a. Amount Obligated to Town of Wallkill Contract #68-62-0006 DCN# D-2-D009	20,000.00
--	-----------

1.b. Estimated Expenditures for Contract #68-62-0006 DCN# D-2-D009	14,452.85
--	-----------

1.c. Balance of Obligated Amount for Contract #68-62-0006 DCN# D-2-D009	5,547.15
---	----------

2.a. Amount Obligated to HLF Plumbing 6/13/84 for Contract #68-62-0034 DCN# D-2-D010	25,000.00
--	-----------

2.b. Estimated Expenditures to Under Contract #68-92-0034 DCN# D-2-D010	3,147.15
---	----------

2.c. Balance of Obligated Amount Under Contract #68-92-0034 DCN# D-2-D010	21,852.85
---	-----------

3.a. Amount Obligated to O. H. Materials DCN# D-2-D024 Contract #68-01-6893,	30,000.00
--	-----------

3.b.	Estimated Expenditures for Contract #68-01-6893 DCN# D-2-D0024	\$ 1,045.87
3.c.	Balance of Obligated Amount for Contract #68-01-6893 DCN# D-2-D0024	28,954.13
C.	Balance of unobligated funding	25,000.00
D.	Estimate of total expenditures to date for all mitigation contracts	18,645.87
E.	Extramural Costs	
1.a.	TAT Special Projects Expenditures	19,103.00
1.b.	TAT, Travel/Salary expenses as of 8/9/84	49,121.00
2.	TOTAL, Other Extramural Costs (As of 8/9/84)	68,224.00
F.	Intramural Costs	
1.	EPA, Travel expenses as of 4/30/84	2,519.00
2.	EPA, Salaries expenses as 4/30/84	19,629.00
3.	Total intramural costs for removal through 4/30/84	22,148.00
G.	Total expenditures (to 9/5/84) Percentage of \$1M	109,017.87 (10.90% 1M)

3. FUTURE PLANS AND RECOMMENDATIONS:

A. General Switch to continue as per the Administrative Order.

B. The interim pumping plan to dispose of the tetrachloroethylene contaminated groundwater has not been initiated. Reportedly, the City of Middletown would like a bond to cover any liability, but the amount of the bond required has not been determined to date.

C. On December 13, 1984 a meeting will be held between EPA, NYSDEC and TAT to discuss the Phase 1 FCHA "Hydrogeologic Investigation."

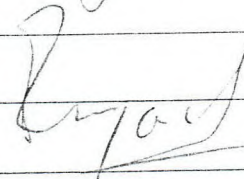
D. Pending EPA review of Part I, FCHA to begin Phase 2 of the "Hydrogeologic Investigation."

CASE PENDING X CASE CLOSED SUBMITTED BY George H. Zados
(TAT) George Zachos,
OSC
Response &
Prevention Branch

Date Released: Dec. 17, 1984

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

TRANSMITTAL SLIP

TO	Pot Wells	DATE	Dec 12, 84
FROM	Raman and Pergadia		
RE:	Wallkill Site		
A copy of Anita Sukotas's comments on FCHA's Phase I is enclosed herewith for your information			
			

FOR ACTION AS INDICATED:

☐ Please Handle☐ For Your Information☐ Comments☐ Approval/Signature☐ File☐ Return to me by _____☐ Prepare Reply for _____ Signature☐ _____

Klaus

U.S. ENVIRONMENTAL PROTECTION AGENCY

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DEC 14 1983

ADMINISTRATIVE UNIT
REGION #3

POLLUTION REPORT

DATE: December 6, 1983

Region II
Emergency Response Branch
Edison, NJ 08837

(201) 321-6670 - Commercial
(201) 548-8730 - 24 Hour Emergency
340-6670 - FTS

TO: J. Schafer, EPA
R. Dewling, EPA
W. Librizzi, EPA
F. Rubel, EPA
J. Marshall, EPA
W. Mugdan, EPA
S. Dorrlor, EPA
M. Chivinski, FEMA
N. Nosenchuck, NYSDEC
ERD, EPA Washington
P. Keller, NYSDEC
Andersen, HHS
R. Johnson, OCDOH
D. Cosgrove, Town of Wallkill
Hutchings, City of Middletown

POLREP NO.: Three (3)
INCIDENT NAME: Wallkill, N.Y.
SITE/SPILL NO: A7
POLLUTANT: Tetrachloroethylene
CLASSIFICATION: Medium
SOURCE: Unknown
LOCATION: Wallkill, N.Y.
AMOUNT: Unknown
WATER BODY: Groundwater

RECEIVED

DEC 14 1983

N.Y.S. D.E.C.
NEW PALTZ

1. SITUATION:

A. On 11/25/83, the Parella Well was experiencing a mechanical malfunction. In order to continue the pumping operation, the Lobb Well was pumped at 1 gallon per minute from 11/25/83 through 11/28/83.

B. The contaminated Parella Well water continues to discharge from the sewer tank into the sewer line at a half of gallon per minute.

C. On 11/29/83, NYSDEC sampled the Parella Well water, top and bottom layers of the tank truck, and the influent and effluent at the Waste Water Treatment Plant.

D. On 12/1/83, the Wallkill Township Public Works Personnel, began installing a temporary 1/2" inch water line from General Switch Factory to the four effected homes on Highland Avenue.

E. Town of Wallkill costs as of 11/30/83 were \$2,723,89, TAT costs \$5,280.29.

2. ACTION TAKEN:

A. As of 11/29/83, 30 residential wells on Highland Avenue and 2 residential wells on Watkins Avenue have been sampled by EPA.

B. Daily sampling continues for the Parella Well and the influent and effluent at the Waste Water Treatment Plant.

C. NYSDEC continues to investigate the source of the well contamination.

D. A meeting was coordinated by NYSDEC to discuss future actions.

3. FUTURE PLANS AND RECOMMENDATIONS:

A. It is anticipated that sampling of the homes on Watkins and Highland will be completed by 11/30/83.

B. Sampling of remaining wells on Highland and Watkins Avenues to complete the sampling program. Previous attempts to locate homeowners have been unsuccessful.

CASE PENDING X

CASE CLOSED

SUBMITTED BY

Fred Rabel

(TAT)

(for)

Robert Cobiella, OSC
Emergency Response
Section

WALLKILL WELLS

Meeting of December 5, 1984

A G E N D A

1. "Hot Spot" identification and analysis result
(Lou Evans)
2. Comments on FCHA's Phase I Report
(Pat Wells)
3. Phase II outline and schedule (FCHA)
4. Acceptable level of contamination, contaminated soil removal
program, and supervising agency
(Ram Pergadia)
5. Pumping of contaminated wells *Heller*
(Ram Pergadia)

- Remediation
- Soil [←] Pumping Aquifer

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U.S. ENVIRONMENTAL PROTECTION AGENCY

DEC -7 1983

POLLUTION REPORT

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DEC 13 1983

Dept. of Environmental Conservation
Regional Director - Region 5
RAY BROOK, NEW YORK

ADMINISTRATIVE UNIT
REGION #3

DATE: November 21, 1983

RECEIVED

DEC 13 1983

N.Y.S. D.E.C.
NEW PALTZ

Region II
Emergency Response Branch
Edison, NJ 08837

TO: J. Schafer, EPA
R. Dewling, EPA
W. Librizzi, EPA
F. Rubel, EPA
J. Marshall, EPA
W. Mugdan, EPA
S. Dorrlor, EPA
M. Chivinski, FEMA
N. Nosenchuck, NYSDEC/
ERD, EPA Washington
P. Keller, NYSDEC
Andersen, HHS
R. Johnson, OCDOH
D. Cosgrove, Town of Wallkill
Hutchings, City of Middletown

(201) 321-6670 - Commercial
(201) 548-8730 - 24 Hour Emergency
340-6670 - FTS

POLREP NO.: One (1)
INCIDENT NAME: Wallkill, N.Y.
SITE/SPILL NO: A7
POLLUTANT: Tetrachloroethylene
CLASSIFICATION: Medium
SOURCE: Unknown
LOCATION: Wallkill, N.Y.
AMOUNT: Unknown, greater than 55 Gallons
WATER BODY: Groundwater

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DEC 8 1983

Dept. of Environmental Conservation
REGIONAL ENGINEER - REGION 5
RAY BROOK, NEW YORK 12977

1. SITUATION:

A. Four residential and one industrial water supply wells are contaminated to up to 290,000 ppb of tetrachloroethylene, and traces of other volatile organics. The area of contamination is on Highland Avenue on the border between the town of Wallkill and the City of Middletown, N.Y.

B. The Orange County Department of Health has declared a health emergency and under emergency powers has instructed the town of Wallkill to supply potable water to all residents at risk, both those individuals with contaminated wells and those with wells proximity to the known contaminated groundwater.

C. The Parella, Lobb, Stout and Osbourne wells have been closed down by the Orange County DOH as unfit for drinking.

D. The Regional Administrator, U.S.EPA Region II has authorized \$50,000.00 for an immediate removal action.

2. ACTION TAKEN:

- A. Sampling of residential wells at the tap has been conducted by Orange County DOH, NYSDEC and U.S.EPA.
- B. A groundwater study is in progress to define groundwater flow rate and direction.
- C. A contract has been issued by Robert Cobiella, OSC (U.S.EPA) tasking the town of Wallkill to provide appropriate facilities to allow pumping of the Parella well into a tank truck, and subsequently into the Wallkill sewer system.
- D. The town of Wallkill has agreed to accept the contaminated water from the Parella well into its treatment plant. The waste will be discharged into a sewer line nearby with appropriate monitoring of contaminant levels through the system and receiving waters.

3. FUTURE PLANS AND RECOMMENDATIONS:

- A. Pump Parella well into tank trucks and discharge into Wallkill treatment plant starting at low flows.
- B. Monitor effect of tetrachloroethylene waste on the treatment plant operation.
- C. Continue groundwater sampling and hydrogeologic study to define source of extent and transport of the contaminated plume.
- D. Conduct air monitoring to assess air quality in household's of concern and treatment plant.
- E. Conduct metal detector survey to locate areas of buried drums at General Switch and inactive Middletown Dump.
- F. Consider pumping the additional Lobb, Stout and Osbourne wells to contain the spread to the plumes.

CASE PENDS X

CASE CLOSED

SUBMITTED BY

Paul E. Wolf
R. Cobiella, OSC
Emergency Response
Section

Copy: Commissioner Williams, Commissioner Axelrod - NYSDOH, Dr. D. Carpenter - NYSDOH, R. Tramontano - NYSDOH, Messrs. L. Marsh, N. Robinson, D. Banks, J. Greenthal, D. Barolo, H. Hovey, C. Goddard, D. King, P. Keller

FYI

William H. Landwehr

RECEIVED

NOV 22 1985



ADMINISTRATIVE UNIT
REGION #3

COUNTY OF ORANGE

LOUIS HEIMBACH, County Executive

336025
Department of Health

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

November 20, 1985

RECEIVED

NOV 25 1985

Chief, Hazardous Waste Site Branch
U.S. Environmental Protection Agency
Office of Emergency and Remedial Response
26 Federal Plaza, Room 402
New York, N.Y. 10278

NYSDEC
New Paltz

Att'n: Pat Wells, Project Director

Gentlemen:

I hereby request that the wells at the addresses below
be included in the next round of sampling:

- | | |
|--------------------------|-------------------------|
| 1. 295 Highland Ave. | Janiak |
| 2. 297 Highland Ave. | Robaina |
| 3. 307 Highland Ave. | Rupert |
| 4. 309 Highland Ave. | Barry |
| 5. 313 Highland Ave. | Lewis |
| 6. 316 Highland Ave. | Stout |
| 7. 317 Highland Ave. | Knapp |
| 8. 320 Highland Ave. | Parella |
| 9. 327 Highland Ave. | Lobb |
| 10. 329 Highland Ave. | Osborne |
| 11. 335 Highland Ave. | Crooks |
| 12. 338 Highland Ave. | Perez/Caspe |
| 13. 355 Highland Ave. | Pitt |
| 14. 186 Watkins Ave. | Winner |
| 15. 187 Watkins Ave. | Rasmussen |
| 16. 190 Watkins Ave. | Morse |
| 17. 228-230 Watkins Ave. | Prior King Press |
| 18. 229 Watkins Ave. | Radvoy/Ellender |
| 19. 238 Watkins Ave. | Cosmo Optics - Old Well |
| 20. 239 Watkins Ave. | Wand |
| 21. 325 Highland Ave. | Fiore |

Your assistance will be greatly appreciated.

Sincerely yours,

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

Ms. Pat Wells
November 20, 1985
Page 2

cc: D. Lipsky, F.C. Hart Assoc.
P. Keller, NYSDEC✓
A. Reilley, NYSDOH
M. J. Schleifer, OCHD

336 025
Ram File
STATE OF NEW YORK

DEPARTMENT OF HEALTH

CORNING TOWER • THE GOVERNOR NELSON A. ROCKEFELLER EMPIRE STATE PLAZA • ALBANY, N.Y. 12237

DAVID AXELROD, M.D.
Commissioner

RECEIVED

NOV 27 1984

November 20, 1984

NYSDEC
New Paltz

Rebecca Heilfurth
233 Commonwealth Avenue
Middletown, New York 10940

Dear Ms. Heilfurth:

I was asked to respond to your letters to Governor Cuomo and Commissioner Axelrod regarding tetrachloroethylene and its potential health impact. I sincerely regret the long delay in responding to your inquiries.

Currently, there are no federal or N.Y. State standards for the presence of tetrachloroethylene or most other organic chemicals in drinking water. Until standards are established, the New York State Department of Health has adopted a general guideline of 50 micrograms per liter (ug/l) for any single organic chemical and 100 ug/l for the total of all organic chemicals in drinking water. There are several chemicals for which more stringent guidelines have been recommended because there is sufficient toxicity information available which indicate the need for special precautions. When guidelines are exceeded, the Department advises that the water not be used for drinking and cooking.

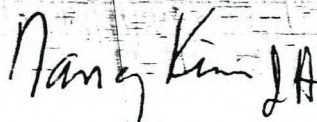
Tetrachloroethylene is an organic chemical included in the general guideline category of 50 ug/l. The presence of tetrachloroethylene in water in amounts exceeding 50 ug/l represents clear contamination of the supply. Although the general guideline is used for tetrachloroethylene in drinking water, the consumption of water containing tetrachloroethylene above or below this concentration cannot be characterized as absolutely unhealthy or absolutely safe. Many uncertainties exist in the data base and in the scientific methods of assessing chemical risk. While it is correct to say that no concentration of tetrachloroethylene in drinking water is desirable, we do not have evidence on adverse health effects from long term consumption of drinking water containing low levels of tetrachloroethylene. Restricting water consumption when tetrachloroethylene concentrations exceed the guideline of 50 ug/l should minimize the potential health impact while a better water source can be found or the contamination can be reduced or eliminated.

The precaution that you mentioned concerning contact with strong oxidizers such as Chlorox^R refers to concentrated formulations of tetrachloroethylene used in the workplace, rather than tetrachloroethylene dissolved in water. Additionally, I think there may be some confusion from the use of the terms ppm and ppb in reference to both air and water contamination. The ppm (parts per million) levels referred to in the fact sheet under the section entitled protective measures, indicates that high tetrachloroethylene levels in air may require the use of certain respirators. If an adult breathed air containing 1 ppm of tetrachloroethylene all day, they would inhale about 140 milligrams of the contaminant. If a person drank water (two liters) containing 1 ppm of tetrachloroethylene they would consume 1 to 2 mg of contaminant.

I have enclosed selections on tetrachloroethylene from Volumes 1 and 3 of the National Academy of Sciences publications Drinking Water and Health, which summarize available toxicity information.

I hope that your questions regarding tetrachloroethylene have been answered adequately. Should you have additional questions, please call (518-473-7238) or write directly to me.

Sincerely,



Nancy K. Kim, Ph.D.
Director
Bureau of Toxic Substance
Assessment

NKK/JSS/pab

Enclosures

bcc: Commissioner Johnson - Orange
County Health Department
Dr. Hetling
Mr. DeMartino
Mr. Klauss - DEC Region 3
Dr. Vianna
PAG - 34899

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NOV 30 1984

ADMINISTRATIVE UNIT

U.S. ENVIRONMENTAL PROTECTION AGENCY

POLLUTION REPORT

DATE: November 19, 1984

RECEIVED

DEC 3 1984

NYSDEC
New Paltz

Region II
Response and Prevention Branch
Edison, NJ 08837

TO: C. Daggett, EPA
W. Librizzi, EPA
F. Rubel, EPA
J. Marshall, EPA
W. Mugdan, EPA
ERD, EPA Washington
(Data Gram)
P. Keller, NYSDEC
J. Anderson, HHS
R. Johnson, OCDOH
D. Cosgrove, Town of Wallkill
R. Hutching, City of Middletown

(201) 321-6670 - Commercial
(201) 548-8730 - 24 Hr. Emergency
340-6670 - FTS

POLREP NO.: Nineteen (19)
INCIDENT NAME: Wallkill, New York
SITE/SPILL NO.: A7
POLLUTANT: Tetrachloroethylene
CLASSIFICATION: Medium
SOURCE: Unknown
LOCATION: Wallkill, New York
AMOUNT: Unknown
WATER BODY: Groundwater

1. SITUATION:

A. As of November 19, 1984 nine (9) homes are hooked up to temporary water in the Town of Wallkill. They include:

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Lobb - 327 Highland Avenue
Osbourne - 329 Highland Avenue
Lewis - 313 Highland Avenue
Liska - 304 Highland Avenue
Knapp - 317 Highland Avenue
Ruppert - 307 Highland Avenue
Barry - 309 Highland Avenue
Robaina - 297 Highland Avenue

2. ACTION TAKEN:

A. The Town of Wallkill and General Switch have come to an agreement on the installation of a 12" water line for the affected area in the Town of Wallkill. The town will fund the project initially and General Switch will reimburse them for the cost incurred.

B. FCHA continues to sample on a month to month basis, sampling homes under the guidance of Dr. Johnson, of the Orange County Health Department. Thus far, no other wells have been discovered with contamination greater than 50 ppb.

C. On October 30, 1984 Phase 1 of FCHA "Hydrogeologic Investigation" was submitted to U.S. EPA for review. In the investigation, FCHA did not locate the source of the contamination. However, drums containing paint sludges and metal scrapings were found under the parking lot of General Switch, Middletown, New York.

D. Financial Status:

A. Total Authorized for Mitigation
Contracts (Trust Fund) \$ 100,000.00

B. Expenditures for Mitigation
Contracts

1.a. Amount Obligated to Town of
Wallkill Contract #68-62-0006
DCN# D-2-D009 20,000.00

1.b. Estimated Expenditures for
Contract #68-62-0006 DCN#
D-2-D009 14,452.85

1.c. Balance of Obligated Amount
for Contract #68-62-0006
DCN# D-2-D009 5,547.15

2.a. Amount Obligated to HLF
Plumbing 6/13/84 for Contract
#68-62-0034 DCN# D-2-D010 25,000.00

2.b. Estimated Expenditures to
Under Contract #68-
92-0034 DCN# D-2-D010 3,147.15

2.c. Balance of Obligated Amount
Under Contract #68-92-0034
DCN# D-2-D010 21,852.85

3.a. Amount Obligated to O. H.
Materials DCN# D-2-D024
Contract #68-01-6893, 30,000.00

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3.	Total intramural costs for removal through 4/30/84	22,148.60
G.	Total expenditures (to 9/5/84) Percentage of \$1M	107,556.55 (10.76% 1M)

3. FUTURE PLANS AND RECOMMENDATIONS:

A. General Switch to continue as per the Administrative Order.

B. The interim pumping plan to dispose of the tetrachloroethylene contaminated groundwater has not been initiated. Reportedly, the City of Middletown would like a bond to cover any liability, but the amount of the bond required has not been determined to date.

C. FCHA to submit Phase 2 of the "Hydrogeologic Investigation" to EPA upon completion of Phase 2 activities.

CASE PENDING X CASE CLOSED _____

SUBMITTED BY George H. Zachos

(TAT)

George Zachos,
OSC
Site Mitigation
Section

Date Released: Nov. 21, 1984



COUNTY OF ORANGE

orange
county

LOUIS HEIMBACH, County Executive

Department of Health

124 MAIN STREET
GOSHEN, NEW YORK 10924 TEL: 914-294-7961

RECEIVED

NOV 23 1984

ADVISORY UNIT

Walter O. Latzko
President, Board of Health

November 19, 1984

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

RECEIVED

NOV 26 1984

NYSDEC
New Paltz

Chief, Hazardous Waste Site Branch
U.S. Environmental Protection Agency
Office of Emergency and Remedial Response
26 Federal Plaza, Room 402
New York, N.Y. 10278

Att'n: Pat Wells, Project Director

Gentlemen:

I hereby request the wells at the addresses below to be included in the next round of sampling:

191 Commonwealth Ave.	Krawiec
229 Commonwealth Ave.	Ruppert
230 Commonwealth Ave.	Thacker
186 Commonwealth Ave.	Flynn
471 North Street	Behrens
325 Highland Avenue	Fiore
317 Highland Avenue	Knapp
335 Highland Avenue	Crooks
292 Highland Avenue	Petrizzo
293 Highland Avenue	Nixdorf
299 Highland Avenue	Eckerson
323 Highland Avenue	Gilbert
321 Highland Avenue	Seely
337 Highland Avenue	Gady
186 Watkins Ave.	Winner
229 Watkins Ave.	Radvoy
228-230 Watkins Ave.	Prior King Press
238 Watkins Ave.	Cosmo Optics - old & new well

Your assistance in obtaining information as to the status of these wells will be appreciated.

Sincerely yours,

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

RCJ/sb

cc: D. Lipsky, F.C. Hart Assoc.
P. Keller, NYSDEC ✓
A. Reilly, NYSDOH Southern Region
M. J. Schleifer, Assist.Comm. Env. Health, OCHD

CORRESPONDENT

DAGGETT, CHRISTOPHER J.
Regional Administrator
U.S. EPA
Region II
26 Federal Plaza
New York, NY 10278

Addressed to: Mr. Gilman Date: 11/16/84

Subject: Writing in response to your
Oct. 24, 1984 letter concerning
the Town of Wallkill

ROUTE TO

DATE

P. Keller11/26/84A. Klaus11/30/84Rich / Rom12/3/84

cc: B. Romer
D. Barolo

- ☐ Reply for Commissioner's signature
☐ Reply direct
☐ Draft for Governor's signature
☐ Reply for Deputy _____
☒ Other FVI

Due Date _____

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CORRESPONDENT

DAGGETT, CHRISTOPHER J.
 Regional Administrator
 U.S. EPA
 Region II
 26 Federal Plaza
 New York, NY 10278

Addressed to: Mr. Gilman Date: 11/16/84

Subject: Writing in response to your
Oct. 24, 1984 letter concerning
the Town of Wallkill

ROUTE TO

DATE

P. Keller11/26/84A. Klamm11/30/84Rich / Ramo11/2/3/84

cc: B. Romer
 D. Barolo

- ☐ Reply for Commissioner's signature
☐ Reply direct
☐ Draft for Governor's signature
☐ Reply for Deputy _____
☒ Other FYI

Due Date _____

NEW YORK STATE
 DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CORRESPONDENT

DAGGETT, CHRISTOPHER J.
Regional Administrator
U.S. EPA
Region II
26 Federal Plaza
New York, NY 10278

Addressed to: Mr. Gilman Date: 11/16/84

Subject: Writing in response to your
Oct. 24, 1984 letter concerning
the Town of Wallkill

ROUTE TO

DATE

P. Keller11/26/84A. P. [unclear]11/27/84Rich / [unclear]11/27/84

cc: B. Romer
D. Barolo

- ☐ Reply for Commissioner's signature
☐ Reply direct
☐ Draft for Governor's signature
☐ Reply for Deputy _____
☒ Other FYI

Due Date _____

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

NOV 16 1984

U.S. Environmental Protection Agency
Region II
26 Federal Plaza
New York, New York 10278

336021

P. Keeler F.Y.I.

cc: ~~D. Fomer~~
D. Barolo

11/26/84
A/

Honorable Benjamin A. Gilman
House of Representatives
2160 Rayburn Building
Washington, D.C. 20515

RECEIVED

RECEIVED

NOV 29 1984

NOV 29 1984

ADMINISTRATIVE UNIT
REGION II

NYSDEC
New Paltz

Dear Mr. Gilman:

I am writing in response to your October 24, 1984 letter concerning the Town of Wallkill, New York.

By now, you have probably heard that the Town of Wallkill and General Switch have reached an agreement under which the town would install the permanent water main and be reimbursed for its costs. We regret that the dispute between the town and the company delayed installation of the main for such a long time.

Phase I of the hydrogeological investigation has been completed. EPA, New York State, and the Orange County Department of Health are currently preparing comments on proposed further work.

In your letter, you noted that the residents of Washington Heights were displeased with the infrequency of the testing conducted for their homes and that there is a delay in notifying the households of the results. The consent order, which was signed by EPA and General Switch, requires "monthly sampling and analysis of any sources of drinking water which have been determined by the Orange County Department of Health ... to be in danger of becoming contaminated with tetrachloroethylene." General Switch has sampled the households requested by OCDOH every month. While the order does not require the residents to be notified as to sampling results, I have instructed my staff in the Emergency and Remedial Response Division to send the sampling results to those residents who have requested them as soon as they are available.

You also explained that the residents are concerned about the health risks associated with the release of perchloroethylene (PCE) into the air. We have investigated the potential for such health risks by researching the National Institute of Occupational Safety and Health/Occupational Safety and Health Administration (NIOSH/OSHA) Short-Term Exposure Limit (STEL) for perchloroethylene. The STEL is defined as a fifteen minute time-weighted average exposure which should not be exceeded. The STEL for perchloroethylene is 200 parts per million (ppm).

RECEIVED
NOV 28 1984
COMMISSIONER OF
ENVIRONMENTAL
CONSERVATION

You may recall that all residents with drinking water above 50 parts per billion (ppb) are using an alternate water supply. Therefore, it is extremely unlikely that water with 50 ppb of PCE or lower concentrations could be boiled to produce vapors with 200 ppm (a four thousand fold increase in concentration) of PCE.

Thank you for your concern in this issue.

Sincerely,

/s/ Christopher J. Daggett

Christopher J. Daggett
Regional Administrator

cc: ✓ Henry G. Williams, Commissioner
New York State Department of
Environmental Conservation

BENJAMIN A. GILMAN
22ND DISTRICT, NEW YORK

COMMITTEES:
FOREIGN AFFAIRS

SUBCOMMITTEES:
INTERNATIONAL OPERATIONS
ASIAN AND PACIFIC AFFAIRS

Congress of the United States
House of Representatives
Washington, D.C. 20515

October 24, 1984

COMMITTEES:
POST OFFICE AND CIVIL SERVICE

SUBCOMMITTEES:
INVESTIGATIONS
HUMAN RESOURCES

SELECT COMMITTEE ON
NARCOTICS ABUSE AND
CONTROL
RANKING MINORITY MEMBER

CHAIRMAN,
TASK FORCE ON
AMERICAN PRISONERS AND
MISSING IN SOUTHEAST ASIA

Mr. Christopher J. Daggett
Regional Administrator
Region II
U.S. Environmental Protection Agency
26 Federal Plaza
New York, New York 10278

Dear Mr. Daggett:

I am writing in regard to concerns raised over EPA's pending action in the Town of Wallkill, New York.

It has been over a year since excessive levels of terachloroethylene was discovered in wells located in the Washington Heights section of the Town of Wallkill. While nine wells have been condemned and a temporary alternative water source has been provided, many other households are still at risk.

On October 17, 1984, I met with the residents of Washington Heights who were displeased with the infrequency of the testing conducted for their homes. When individual wells are finally tested there is substantial delay in notifying the household of the results.

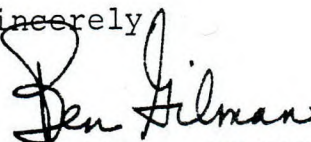
Residents also expressed concern that the release of PCE into the air through the boiling of water or other means may pose an additional health risk.

Accordingly, I would appreciate you addressing the concerns expressed above. Additionally, I would request that the consent order be enforced with all due speed--- particularly as it requires the construction, the permanent water main and the completion of a hydrogeological study to determine the movement of the plume. I am enclosing the names of three individuals who have requested the results of recent testing conducted on their wells.

Your consideration is greatly appreciated.

With best wishes,

Sincerely,



BENJAMIN A. GILMAN
Member of Congress

BAG:mr
Enclosure

PLEASE REPLY TO:

WASHINGTON OFFICE:
2160 RAYBURN BUILDING
WASHINGTON, D.C. 20515
☒ TELEPHONE: (202) 225-3776

DISTRICT OFFICE:
44 EAST AVENUE
P.O. Box 358
MIDDLETOWN, NEW YORK 10940
☐ TELEPHONE: (914) 343-6666

DISTRICT OFFICE:
190 BROADWAY
MONTICELLO, NEW YORK 12701
☐ TELEPHONE: (914) 796-1621

DISTRICT OFFICE:
233 ROUTE 59
MONSEY, NEW YORK 10952
☐ TELEPHONE: (914) 357-9000

DISTRICT OFFICE:
32 MAIN STREET
HASTINGS-ON-HUDSON,
NEW YORK 10706
☐ TELEPHONE: (914) 478-5550

R200192

Mrs. Bertha Krawiec
191 Commonwealth Avenue
Middletown, New York 10940

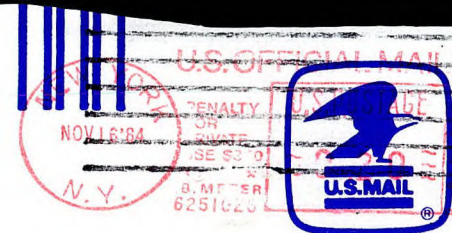
Ms. Cathy Duco
34 Park Avenue
Middletown, New York 10940

Mr. Carmen Lopez
174 Commonwealth Avenue
Middletown, New York 10940

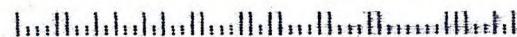
UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION II
26 FEDERAL PLAZA
NEW YORK, NEW YORK 10007

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

Henry G. Williams, Commissioner
New York State Department of
Environmental Conservation
50 Wolf Road
Albany, New York 12233-0001



POSTAGE AND FEES PAID
ENVIRONMENTAL PROTECTION AGENCY
EPA-335



336025
FRED C. HART ASSOCIATES, INC. • CONSULTANTS

530 FIFTH AVENUE, NEW YORK, N. Y. 10036

(212) 840-3990

November 15, 1984

Chief, Hazardous Waste Site Branch
Office of Emergency and Remedial Response
U.S. Environmental Protection Agency
Room 402
26 Federal Plaza
New York, New York 10278

Attention: Patricia Wells, Project Officer,
Wallkill Site

Dear Ms. Wells:

Enclosed please find two copies of the following documents:

- (1) Monthly Periodic Progress Report, 10/1/84 - 10/31/84.
- (2) Report of Analysis, Tetrachloroethylene, for the September 19, 1984 Potable Well Sampling.
- (3) Trip Report October 29, 1984, Potable Well Sampling.
- (4) Report of Analysis, October 29, 1984, Potable Well Sampling.

Identification of the sample laboratory numbers is included in the sampling trip report, attached to the Monthly Report.

Sincerely,

FRED C. HART ASSOCIATES, INC.

David Lipsky, Ph.D
Manager, Public Health and Chemistry

DL/se (497/L)
(A037)

cc: Director, Division of Solid and Hazardous Waste
New York State Department of Environmental Conservation

Commissioner of Health
Orange County Department of Health

RECEIVED
NOV 27 1984
NYSDEC
New Paltz
P. Kella
A. Kella
R. Kella
copy HJOT
EN6
Nov 18 1984
DIRECTOR'S OFFICE
DIVISION OF SOLID AND
HAZARDOUS WASTE

General Switch Corporation
Middletown, New York
Monthly Periodic Progress Report

10/1/84 - 10/31/84

Work Efforts Completed to Date

In compliance with the Administrative Order on Consent issued to General Switch (GSC) on May 1, 1984, the following activities, referenced to the appropriate section of the Order, were conducted during the month of October, 1984, on behalf of General Switch by Fred C. Hart Associates:

Section I-B

Results of the 9/19/84 and 9/20/84 potable well sampling campaign were received on October 15, 1984, and are provided as an attachment.

On October 29th and 30th, 13 potable wells were sampled for the October campaign. A trip report and results of this sampling campaign are provided as an attachments to the monthly report.

Section I-C

As of the date of the submission of this report, the Town of Wallkill and GSC have reached a tentative agreement regarding the construction of a water supply main system (the system), subject to the written approval of USEPA that the construction of the system is in compliance with and satisfies GSC's obligations under Section I-C of the Order. On November 9, 1984 a "Request for Authority fo Proceed" was delivered to USEPA.

Section III-D

The Middletown City Council is presently considering the request to discharge pump water from the pump test into the Middletown sewer.

Section I-E

The draft report of the findings of the hydrogeologic investigation was submitted to EPA on October 30, 1984.

princeton
testing
laboratory

DATE: Oct 11, 1984

TO: ☐ Fred C. Hart Associates
530 Fifth Ave
New York NY 10036

☐ JOB NO. 35267

AUTHORIZATION: verbal

☐ SAMPLE: water - 21

REPORT OF ANALYSIS

	Tetrachloroethylene ug/l
Detection limit	0.1
PW-1 Shattuck Res.	< 0.1 ^a
PW-2 Estrada Res.	ND
PW-3 Weedon (Smith) Res.	ND
PW-4 Robanna Res.	13
PW-5 Ogden Res.	ND
PW-6 Seely Res.	ND
PW-7 Gilbert Res.	0.2
PW-8 Gody Res.	0.1
PW-9 Knapp Res.	7
PW-11 Ward Res.	ND
PW-12 Ebert Res.	< 0.1 ^a
PW-13 Duco Res.	< 0.1 ^a
PW-14 Trip Blank	ND
PW-15 Field Blank	ND
PW-16 Replicate	0.1

a) Below detection limit. Quantitation and/or identification may be uncertain at this level.

Brain Janke, Manager
Organic Laboratory

BJ:na

princeton
testing
laboratory

DATE: Oct 11, 1984

TO: [Fred C. Hart Associates
530 Fifth Ave
New York NY 10036

JOB NO. 35267

AUTHORIZATION: verbal

SAMPLE: water - 21

REPORT OF ANALYSIS

	Tetrachloroethylene ug/l
Detection limit	0.1
MW-1	1
MW-2	350
MW-3	27,000
MW-4	15,000
MW-6	76
MW-7	34

Brian Janke, Manager
Organic Laboratory

BJ:na



Princeton Service Center
U.S. Route 1
609-452-9050

QUALITY CONTROL REPORT

B. DUPLICATE ANALYSIS

Analyst : 35267
Date : TXL
10-11-84
Matrix Code PE/MW

: Box 3108, Princeton, N.J. 08540

[illegible]

$$\text{RPD} = \frac{(D_1 - D_2)}{\left[\frac{(D_1 + D_2)}{2} \right]} \times 100$$

Matrix Codes:

Soil SO

Sludge	SL
--------	----

Drinking Water DW

Air Air

Plant Effluent/monitoring well PE/NW



Princeton Service Center
U.S. Room 1
609-452-9050

QUALITY CONTROL REPORT

Analyst : TXL
Date : 10-11-84
Matrix Code PE/MW

: Box 3108, Princeton, N.J. 08540

B. DUPLICATE ANALYSIS

[illegible]

$$\bullet \text{RPD} = \frac{(D_1 - D_2)}{\left[\frac{(D_1 + D_2)}{2} \right]} \times 100$$

Matrix Codes:

Soil SO

Sludge	SL
--------	----

Drinking Water DW

Air Air

Plant Effluent/monitoring well PE/NW

Other



QUALITY CONTROL REPORT

B. DUPLICATE ANALYSIS

Analyst : 35267
Date : TXL
10-11-84
Matrix Code PE/MW

Matrix Codes:

Soil SO

Sludge	SL
--------	----

Drinking Water DW

Air Air

Plant Effluent/monitoring well PE/NW

$$C_1 + C_2 = 1$$

$$\bullet RPD = \frac{(D_1 - D_2)}{\left[\frac{(D_1 + D_2)}{2} \right]} \times 100$$



Princeton Service Center
U.S. Room 1
609-452-9050

: Box 3108, Princeton, N.J. 08540

QUALITY CONTROL REPORT

B. DUPLICATE ANALYSIS

Analyst : TXL
Date : 10-11-84
Matrix Code PE/MW

[illegible]

$$\text{RPD} = \frac{(D_1 - D_2)}{\left[\frac{(D_1 + D_2)}{2} \right]} \times 100$$

Matrix Codes:

Soil SO
Sludge SL
Drinking Water DW
Air Air
Plant Effluent/monitoring well PE/NW
Other

Plant	Influent/monitoring well	Out/TW
Other		



QUALITY CONTROL REPORT

A. MATRIX SPIKE ANALYSIS

Job # 35267
Analyst: TXL
Date 10-11-84
MATRIX CODE PE/MW

• P.O. Box 3108, Princeton, N.J. 08540

[illegible]
$$\% \text{ Recovery} = \frac{(SSR - SR)}{(SA)} \times 100$$

Matrix Codes:

Soil	SO	
Sludge	SL	
Drinking water		DW
Air	Air	

M E M O R A N D U M

TO: David Lipsky
FROM: Francie Barker *FB*
RE: General Switch Potable Well Sampling
DATE: November 2, 1984

On October 29th and 30th, Jose Vega and I sampled 13 potable wells in the vicinity of General Switch. One replicate, one field blank, and one trip blank were collected. The sample numbers and locations are as follows:

<u>Sample #</u>	<u>Owner</u>	<u>Address</u>
PW-1*	Tessler	287 Highland Avenue
PW-2	Fiore	325 Highland Avenue
PW-3	Pitt	355 Highland Avenue
PW-4	Rasmussen	187 Watkins Avenue
PW-5	Wand	239 Watkins Avenue
PW-6*	Knapp	317 Highland Avenue
PW-7*	Janiak	295 Highland Avenue
PW-8	Duco	34 Park Avenue
PW-9	Ruppert	229 Commonwealth Avenue
PW-10	Brock	231 Commonwealth Avenue
PW-11	Radivoy	229 Watkins Avenue
PW-12	Reich	179 Commonwealth Avenue
PW-13	Norbury	211 Commonwealth Avenue
PW-14*	Knapp (Replicate)	317 Highland Avenue
PW-15	Field Blank	-----
PW-16	Trip Blank	-----

The samples will be analyzed for tetrachloroethylene by Princeton Testing Lab, Princeton, New Jersey using EPA method 601 within 14 days. The samples with astericks will be analyzed within one week.

FB/zn

princeton
testing
laboratory

DATE: Nov 6, 1984

TO: [Fred C. Hart Assoc
530 Fifth Ave
New York NY 10036

JOB NO. 35782

AUTHORIZATION: verbal

[ATT: B. Jaycot

SAMPLE: water

REPORT OF ANALYSIS

	Tetrachloroethylene ug/l
Method detection limit	0.1
PW-1	ND
2	0.25
3	ND
4	< 0.1*
5	ND
6	6.5
7	< 0.1*
8	ND
9	0.1
10	< 0.1*
11	ND
12	ND
13	ND
14	6.9
15	ND
16	0.32

ND=not detected

*compound detected but concentration below method detection limit.
Quantitation may be uncertain at this level.

Brian Janke, Manager
Organic Laboratory

BJ:na

princeton
testing
laboratory

DATE:

JOB NO.

AUTHORIZATION:

SAMPLE:

TO: ☐

☐

REPORT OF ANALYSIS

MATRIX CODE: PE/MW

: Box 3108, Princeton, N.J. 08540

[illegible]

$$\bullet \text{RPD} = \frac{(D_1 - D_2)}{\left(\frac{D_1 + D_2}{2} \right)} \times 100$$



QUALITY CONTROL REPORT

Analyst: JG
Date: 11-6-84
MATRIX CODE PE/MW

• P.O. Box 3108, Princeton, N.J. 08540

A. MATRIX SPOKE ANALYSIS

Matrix Codes:

Soil SO

Sludge	SL
--------	----

Drinking water DW

Air Air

Plant Effluent/monitoring Well PE/MW

$$\% \text{ Recovery} = \frac{(SSR - SR)}{(SA)} \times 100$$

11/17/51

FILE COPY

NHN
Copy H 306
C 266

October 11, 1984

P. Heller
A. Heller
R. Heller
3
pg

Chief, Hazardous Waste Site Branch
Office of Emergency and Remedial Response
U.S. Environmental Protection Agency
Room 402

26 Federal Plaza
New York, New York 10278

RECEIVED

Attention: Patricia Wells, Project Officer,
Wallkill Site

OCT 29 1984

NYSDEC
New Paltz

Dear Ms. Wells:

Enclosed please find two copies of the following documents:

- (1) Monthly Periodic Progress Report, 9/1/84 - 9/30/84.
- (2) Report of Analysis, Tetrachloroethylene, for the August 28, 1984 Potable Well Sampling.
- (3) Trip Report 9/14/84 - 9/20/84 Potable Well Sampling.

Identification of the sample laboratory numbers is included in the sampling trip report, attached to the Monthly Report.

Sincerely,

FRED C. HART ASSOCIATES, INC.

David Lipsky

David Lipsky, Ph.D
Manager, Public Health and Chemistry

DL/rp (469/Q)

cc: Director, Division of Solid and Hazardous Waste
New York State Department of Environmental Conservation

Commissioner of Health
Orange County Department of Health

(A037)

RECEIVED

DIRECTOR'S OFFICE
DIVISION OF SOLID AND
HAZARDOUS WASTE

General Switch Corporation

Middletown, New York

Monthly Periodic Progress Report

9/1/84 - 9/30/84

Work Efforts Completed to Date

In compliance with the Administrative Order on Consent issued to General Switch on May 1, 1984, the following activities, referenced to the appropriate section of the Order, were conducted during the month of September 1984, on behalf of General Switch by Fred C. Hart Associates:

Section I-B

Results of the August 28, 1984 potable well sampling campaign were received on 9/14/84 and are provided as an attachment. OGDH and EPA were informed of the results by telephone on 9/15/84.

On 9/19/84 and 9/20/84, 12 potable wells were sampled for the September campaign. A trip report of this sampling campaign is provided as an attachment to the monthly report.

Section I-C

FCHA received EPA's comments on the design of a domestic water supply main on September 26, 1984, and is in the process of responding to these.

Section II-D

Field activities from 9-04-84 to 9-14-84 included completion of eight test borings and installation of eight monitor wells at the General Switch Site. A monitor well sampling program was conducted on 9-19-84 and all field activities in Phase I of the hydrogeological investigation were completed on September 20, 1984.

Section II-E

Work commenced on the draft report of the findings of the hydrogeologic investigation following the completion of field work. Analytical data from the investigation was not received during this reporting period.

Section III-D

Meetings were being arranged between General Switch and representatives of Middletown City Council to obtain necessary permission to discharge pump water from the pump test into the Middletown sewer.

TO: [Fred C. Hart Assoc.
530 Fifth Ave
New York NY 10036

ATT: Wayne Tusa

DATE: Sept 11, 1984

JOB NO. 34926

AUTHORIZATION: verbal

SAMPLE: water - 10

REPORT OF ANALYSIS

Compound Name

Sample

Detection Limit

tetrachloroethylene

0.1

PW-4 Ogden Res

ND

PW-5 Gilbert Res

ND

PW-6 Courteau Res

ND

PW-7 Perry Res

ND

PW-8 Reynolds Res

ND

PW-9 Brinkerhoff Res

ND

PW-10 Kieran Res

ND

PW-11 Hawkins Res

ND

PW-13 Heilfurth Res

ND

PW-14 Van Peit Res

ND

Brian Janke
Brian Janke, Manager
Organic Laboratory

William F. Pickup, Director

BJ:na

MEMORANDUM

TO: Dave Lipsky
FROM: Mary Manto 7/17/84
RE: General Switch Potable Well Sampling Trip
DATE: September 24, 1984

On September 19th and 20th, 1984, Jose Vega and I sampled 13 potable wells in the vicinity of General Switch. One replicate, one field blank, and one trip blank were collected. The sample numbers and locations are as follows:

<u>Sample #</u>	<u>Owner</u>	<u>Address</u>
PW-1	Shattuck	282 Highland
PW-2	Estrada	286 Highland
PW-3	Smith (Weedin)	291 Highland
PW-4	Robanna	297 Highland
PW-5	Ogden	319 Highland
PW-6	Seely	321 Highland
PW-7	Gilbert	323 Highland
PW-8	Gady	337 Highland
PW-9	Knapp	317 Highland
PW-11	Ward	239 Watkins
PW-12	Ebert	29 Park
PW-13	Duco	34 Park
PW-14	Trip Blank	
PW-15	Field Blank	
PW-16	Replicate (Ogden)	

We were unable to contact Wegenroth (168 Watkins).

1. The tap as close as possible to the well head was run to evacuate the well and water distribution system for a period of 15 minutes prior to sampling.
2. Samples were collected in standard 40 ml VOA vials. The vials were carefully capped to prevent air bubbles in the sample.
3. One replicate, one trip blank and one field blank were collected.
4. Samples were preserved from the time they were collected until they were logged in at the laboratory by packing on ice.
5. Quality Assurance procedures outlined in Section 2.0 of the Site Operations Plan submitted to EPA on May 7, 1984 were followed.

The samples will be analyzed for tetrachloroethylene by Princeton Testing Lab, Princeton, NJ using EPA Method 601 within 14 days.



orange
county

RECEIVED
SEP 27 1984
COUNTY OF ORANGE

LOUIS HEIMBACH, County Executive

file - health 336025
al
Department of Health

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

September 25, 1984

RECEIVED

SEP 28 1984

HYSDEC
New Paltz

Chief, Hazardous Waste Site Branch
Office of Emergency and Remedial Response
26 Federal Plaza, Room 402
New York, N.Y. 10278

Att'n: Pat Wells, Project Director

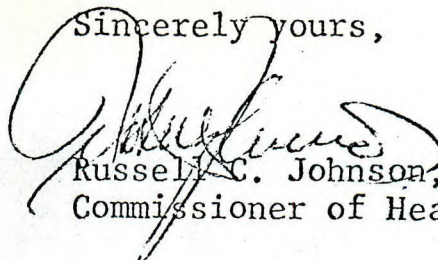
Gentlemen:

I hereby request the wells at the addresses below be included in the next round of sampling:

286 Highland Avenue	- Estrada
317 " "	- Knapp
337 " "	- Gady
357 " "	- Schmall
164 Watkins Avenue	- Radivoy/
229 " "	- Rasmussen
239 " "	- Ward
29 Park Avenue	- Ebert
179 Commonwealth Ave.	- Reick
191 " "	- Krawiec
211 " "	- Norbury
237 " "	- Noha

Your assistance in obtaining information as to the status of these wells will be appreciated.

Sincerely yours,


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

RCJ/sb

AN EQUAL OPPORTUNITY EMPLOYER

Chief, Hazardous Waste Site Branch
September 25, 1984
Page 2

cc: David Lipsky, Ph. D., Fred C. Hart Assoc.
Paul Keller, NYSDEC
A. Reilly, NYSDOH Southern Region
M. J. Schleifer, Assist. Comm. Env. Health, OCHD

File

New York State Department of Environmental Conservation

21 South Putt Corners Road
New Paltz, New York 12561-1696
(914) 255-5453



Henry G. Williams
Commissioner

September 21, 1984

Town of Wallkill
600 Route 211 East
Middletown, NY 10940

Attention: Dennis Casgrove, Supervisor

Re: Water Main--Washington Heights

Dear Dennis:

As we discussed on September 19, 1984, a water supply permit will be required, from this department, no matter which ultimate source of water is utilized (i.e. Wallkill or Middletown). The permit should be secured as soon as the decision is made as to the long-term source of the water.

The construction work may proceed but ultimately the permit must be obtained.

If you have any questions, please contact me at (914) 255-5453.

Sincerely,

Albert Klauss
Regional Engineer
Region 3

AK:ls

cc: C. Manfredi
R. Manna/M. Merriman
M. Schleifer, OCHD

F
21 South Putt Corners Road, New Paltz, New York 12561-1696
(914) 255-5453

September 14, 1984

U.S.E.P.A.
Region 2
26 Federal Plaza
New York, New York 10278

Attn: Patricia Wells

Dear Ms. Wells:

I'm in receipt of your September 6, 1984 letter regarding comments pertaining to the report submitted by Fred C. Hart Associates covering the design of the new water supply on Highland Avenue, Wallkill, N.Y.

At the time this report was submitted, it was my understanding all concerned parties understood the project (i.e. construction of a water supply main) did not require an NYS DEC approval. Review and approval of the proposed water main was under the jurisdiction of the Orange County Health Department; therefore we did not offer any written response. We did inform the Town of Wallkill that if the new area to be served was not in an existing water district, it must be included in such a district, which is an action requiring a NYS DEC Permit.

If you have any questions please contact me at (914) 255-5453.

Very truly yours,

Albert K. Klauss
Regional Engineer
Region 3

AKK/di

cc: C. Manfredi, W.P.R.O.
L. Evans, W.P.R.O.
D. Cosgrove, Wallkill Supervisor
M. Schleifer, Orange Cty. Health Dept.

336 025 al

FRED C. HART ASSOCIATES, INC. CONSULTANTS

530 FIFTH AVENUE, NEW YORK, N. Y. 10036

(212) 840-3990

RECEIVED

SEP 20 1984

ADMINISTRATIVE UNIT
REGION #3

September 14, 1984

Chief, Hazardous Waste Site Branch
Office of Emergency and Remedial Response
U.S. Environmental Protection Agency
Room 402
26 Federal Plaza
New York, New York 10278

Attention: Patricia Wells, Project Officer,
Wallkill Site

RECEIVED

SEP 20 1984

NYSDEC
New Paltz

Dear Ms. Wells:

Enclosed please find two copies of the following documents:

- (1) Monthly Periodic Progress Report, 8/1/84 - 8/31/84.
- (2) Report of Analysis, Tetrachloroethylene, for the July 17 and 18, 1984 Potable Well Sampling.
- (3) Trip Report 8/28/84 Potable Well Sampling.

Identification of the sample laboratory numbers is included in the sampling trip report, attached to the Monthly Report.

Sincerely,

FRED C. HART ASSOCIATES, INC.

David Lipsky

David Lipsky, Ph.D
Manager, Public Health and Chemistry

DL/rp (469/Q)

cc: Director, Division of Solid and Hazardous Waste
New York State Department of Environmental Conservation

Commissioner of Health
Orange County Department of Health

(A037)

NHN
copy MJO
CNG
P. Keller
A. Klaus
R. Hardman
RAM

General Switch Corporation
Middletown, New York
Monthly Periodic Progress Report
8/1/84 - 8/31/84

Work Efforts Completed to Date

In compliance with the Administrative Order on Consent issued to General Switch on May 1, 1984, the following activities, referenced to the appropriate section of the Order, were conducted during the month of August, 1984, on behalf of General Switch by Fred C. Hart Associates:

Section I-A

On 8/31/81, hookups to the temporary water line were provided for the Liksa residence at 304 Highland Avenue and the Lewis residence at 313 Highland Avenue (see below for explanation).

Section I-B

Results of the July 17 and 18, 1984 potable well sampling campaign were received on 8/21/84 and are provided as an attachment. OCDH and EPA were informed of the results by telephone on 8/22/84, including the fact that PCE concentrations exceeded 50 ppb in the Liska and Lewis wells.

On 8/28/84, 13 potable wells were sampled for the August campaign. A trip report of this sampling campaign is provided as an attachment to the monthly report. This sampling campaign included a resampling of the two

wells (Liska and Lewis) found in excess of 50 ppb in July with a fast lab turnaround time requested. PCE levels in excess of 50 ppb were again found in both wells on 8/30/81.

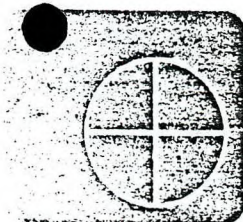
Section II-D

Formal approval from Mr. Parella's counsel to conduct site operations on Mr. Parella's property was received by General Switch on July 31, 1984. Due to this delay in obtaining site access which was outside of our control, we anticipate a delay of 2-1/2 weeks in completing the hydrogeological investigation. Field work began on 8/1/84. A two-day delay was encountered due to the unexpected heavy growth of vegetation which had to be cleared from the site. As of 8/31/84, OVA/M-Pacto probe, geophysics, and test pit operations have been completed. Due to driller scheduling problems and the need to clear access routes, a delay was encountered in the start of test pit, test boring and monitor well installation activities. These did not begin until 8/28/84.

Section III-D

A copy of the revised version of the interim pumping plan conforming to EPA's formal comments was submitted to EPA on 8/21/84. On 8/31/84, in conformance with the plan, we requested permission from Al Fusco, Comm. of Public Works at Middletown, to discharge the pump water from the proposed pump test into the Middletown sewer. Permission was denied. Implementation of the interim pumping test will be delayed for the duration of the time it takes to resolve this issue.

Princeton Service Center
U.S. Route 1
(609) 452-9050
Tlx-84-3942



princeton testing laboratory

P.O. Box 3108, Princeton, N.J. 08540



August 27, 1984

Mr. Dave Lipski
Fred C. Hart Associates
530 Fifth Ave
New York, New York 10036

Dear Mr. Lipski:

The purpose of this letter has two objectives, i.e., to confirm the error and corrected concentration of sample PW-5 and to brief you on steps we have taken to see that it does not happen again.

The concentration for PW-5 should have been 14000 ppb tetrachloroethylene instead of the 1400 reported. A corrected report is attached. We have repeated the analyses and although the samples have exceeded accepted storage time limits, the agreement between the latest analysis, 12,000 ppb, and the newly reported 14,000 confirms our earlier work. The error was caused by neglecting a dilution factor in the calculation. We checked all results and found no such error in any of the other calculations. It was simple preventable error that regrettably was not caught by us.

We have instituted additional Q C procedures to reduce and hopefully eliminate this type of error. First, the dilution factor will be written on each computer hard copy. Secondly, the dilution factor will be entered into the computer calculations so the factor will be taken into account automatically.

Parenthetically, it was shifting from manual calculations to computer calculations that led to the error cited here in the first place. Switchovers like this do not excuse the mistake, but obviously does increase the likelihood.

Thanks for your understanding. You can rest assured that your message was received loud and clear and while we cannot prevent errors absolutely, we will do everything we can.

Very truly yours,

Gene Dennison
Gene Dennison, PhD, Manager
Technical Director

GD:mm

princeton
testing
laboratory

P.O. Box 3108, Princeton, N.J. 08540

RECEIVED SEP 10 1984
DATE: Aug 21, 1984TO: Fred C. Hart Associates
530 Fifth Ave
New York NY 10036

JOB NO. 34173 (corrected)


AUTHORIZATION: verbal

ATT: Dave Lipski

SAMPLE: water - 29

REPORT OF ANALYSIS

Sample ID	Tetrachloroethylene ug/l
Detection limit	0.1
PW-1 Eckerson	ND
PW-2 Liske	130
PW-3 Nixdorf	ND
PW-4 Barry	250
PW-5 Ruppert	14,000
PW-6 Knapp	15
PW-7 Rep	18,000
PW-8 Crooks	ND
PW-9 Froze	ND
PW-10 Osborne 1	34
PW-11 Bliven	ND
PW-12 Hoffman	ND
PW-13 Winner	ND
PW-14 Rasmussen	ND
PW-15 Stout	3,500
PW-16 Lobb	46
PW-17 Laniak	ND
PW-18 Parella	68,000
PW-19 Field Blank	ND
PW-20 Replicate	47,000
PW-21 General Switch 11:37	1,400
PW-22 Lewis	107
PW-23 Robama	4
PW-24 Radivoy	2
PW-25 Muller	ND
PW-26 Prior King	2
PW-27 CosmoOptics HW	2
PW-28 CosmoOptics OW	ND
PW-29 Trip Blank	ND


Brian Janke, Manager
Organic Laboratory

William F. Pickup, Director

BJ:na

M E M O R A N D U M

TO: Dave Lipsky *DL*
FROM: Mary Manto
RE: General Switch Sampling
DATE: September 4, 1984

On August 28, 1984, Jose Vega and I sampled the following wells for tetrachloroethylene.

Smith	291 Highland	PW-1
Liska	304 Highland	PW-2
Lewis	313 Highland	PW-3
Ogden	319 Highland	PW-4
Gilbert	323 Highland	PW-5
Courteau	341 Highland	PW-6
Perry	339 Highland	PW-7
Reynolds	196 Commonwealth	PW-8
Brinkerhoff	197 Commonwealth	PW-9
Kieran	200 Commonwealth	PW-10
Hawkins	205 Commonwealth	PW-11
Heilfurth	233 Commonwealth	PW-13
Van Pelt	31 Electric	PW-14
Replicate (Liska)		PW-15

McEnter (227 Commonwealth) denied access.

Samples PW-1, PW-2, PW-3 and PW-15 were shipped to Princeton Testing via Federal Express on August 28. Remaining samples were delivered to the laboratory on August 29.

Results from samples PW-2 and PW-3 were obtained over the telephone on August 30.

PW-2	850 ppb
PW-3	120 ppb

U.S. ENVIRONMENTAL PROTECTION AGENCY

RECEIVED

SEP 19 1984

POLLUTION REPORT

DATE: September 5, 1984

ADMINISTRATIVE UNIT
REGION #3

Region II
Response and Prevention Branch
Edison, NJ 08837

(201) 321-6670 - Commercial
(201) 548-8730 - 24 Hr. Emergency
340-6670 - FTS

TO: R. Dewling, EPA
W. Librizzi, EPA
F. Rubel, EPA
J. Marshall, EPA
W. Mugdan, EPA
ERD, EPA Washington
(Data Gram)
P. Keller, NYSDEC
J. Anderson, HHS
R. Johnson, OCDOH
D. Cosgrove, Town of Wallkill
R. Hutching, City of Middletown

RECEIVED

SEP 20 1984

NYSDEC
New Paltz

POLREP NO.: Eighteen (18)
INCIDENT NAME: Wallkill, New York
SITE/SPILL NO.: A7
POLLUTANT: Tetrachloroethylene
CLASSIFICATION: Medium
SOURCE: Unknown
LOCATION: Wallkill, New York
AMOUNT: Unknown
WATER BODY: Groundwater

1. SITUATION:

A. Negotiations have been completed. General Switch has agreed to address 5 different areas pertaining to the contamination problem.

1. Provision of drinking water on a short term basis.
2. Interim monitoring plan.
3. Provisions for water system on a permanent basis.
4. Conduct hydrogeologic investigation.
5. Assess the merit of a pumping program to prevent further mitigation. ?

2. ACTION TAKEN:

A. On July 17, 1984, Fred C. Hart Associates, Inc. (FCHA), consultant to General Switch, conducted a second round of sampling. These samples were taken from 10 wells that have previously shown high levels of contamination. The results showed significantly higher tetrachloroethylene concentrations in the wells of Liska, 304 Highland Avenue of 130 ppb, and Lewis 317 Highland Avenue of 107 ppb.

B. On August 29, 1984 FCHA resampled the Lewis & Liska wells to reconfirm the previous sampling results. The results of the second sampling showed tetrachloroethylene concentrations in the Liska and Lewis wells of 850 and 120 ppb, respectively.

C. On August 31, 1984, General Switch connected the Liska and Lewis homes onto the temporary water line. This brings the number of individual homes hooked up to the temporary water line to nine (9).

D. The interim pumping plan has been reviewed and approved by EPA and returned to FCHA.

E. During the week of July 30, 1984, FCHA initiated the hydrogeologic investigation. The investigation is on-going.

F. Financial Status:

A. Total Authorized for Mitigation Contracts (Trust Fund)	\$ 100,000.00
B. Expenditures for Mitigation Contracts	
1.a. Amount Obligated to Town of Wallkill Contract #68-62-0006 DCN# D-2-D009	20,000.00
1.b. Estimated Expenditures for Contract #68-62-0006 DCN# D-2-D009	14,452.85
1.c. Balance of Obligated Amount for Contract #68-62-0006 DCN# D-2-D009	5,547.15
2.a. Amount Obligated to HLF Plumbing 6/13/84 for Contract #68-62-0034 DCN# D-2-D010	25,000.00
2.b. Estimated Expenditures to Under Contract #68-92-0034 DCN# D-2-D010	3,147.15
2.c. Balance of Obligated Amount Under Contract #68-92-0034 DCN# D-2-D010	21,852.85
3.a. Amount Obligated to O. H. Materials DCN# D-2-D024 Contract #68-01-6893,	30,000.00

3.b. Estimated Expenditures for Contract #68-01-6893 DCN# D-2-D0024	\$ 1,045.87
3.c. Balance of Obligated Amount for Contract #68-01-6893 DCN# D-2-D0024	28,954.13
C. Balance of unobligated funding	25,000.00
D. Estimate of total expenditures to date for all mitigation contracts	18,645.87
E. Extramural Costs	
1.a. TAT Special Projects Expenditures	19,103.48
1.b. TAT, Travel/Salary expenses as of 8/9/84	47,658.60
2. TOTAL, Other Extramural Costs (As of 8/9/84)	66,762.08
F. Intramural Costs	
1. EPA, Travel expenses as of 4/30/84	2,519.43
2. EPA, Salaries expenses as 4/30/84	19,629.17
3. Total intramural costs for removal through 4/30/84	22,148.60
G. Total expenditures (to 9/5/84) Percentage of \$1M	107,556.55 (10.76% 1M)

3. FUTURE PLANS AND RECOMMENDATIONS:

A. General Switch to continue as per the Administrative Order.

B. Fred C. Hart Associates, Inc. to determine monitoring well locations depending on information obtained from their hydrogeologic investigation.

CASE PENDING X CASE CLOSED

(TAT)

SUBMITTED BY George Zachos
George Zachos,
OSC
Site Mitigation
Section



orange
county

RECEIVED

SEP 06 1984

ADMINISTRATIVE UNIT
REGION #3

September 4, 1984

COUNTY OF ORANGE

LOUIS HEIMBACH, County Executive

Department of Health

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

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SEP 6 1984

DIYDEC
New Paltz

Chief, Hazardous Waste Site Branch
Office of Emergency and Remedial Response
U.S. Environmental Protection Agency
26 Federal Plaza, Room 402
New York, N.Y. 10278

Attention: Pat Wells, Project Director

Gentlemen:

The results of well samples taken in July have been received. Two wells, 304 and 313 Highland Avenue, were condemned.

Several of the residents with wells on Highland Avenue with elevated levels of tetrachlorethylene have complained of dry skin and secondary infections. Only one has not shown levels exceeding the State drinking water standard of 50 p.p.b.

Mrs. Knapp, at 317 Highland Avenue has experienced a skin condition. Although their well tests have shown levels varying from N.D. in January 1984 to 24 p.p.b. in June, I consider her skin condition worthy of closer scrutiny. Therefore, I request the Knapp well to be tested on a monthly basis until a hook-up to safe water is accomplished.

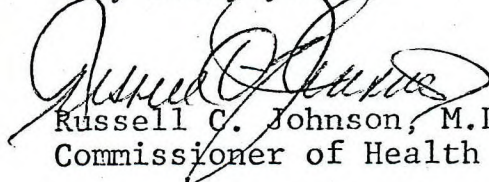
In addition, I request the following wells be tested:

282 Highland Avenue	- Shattuck
286 " "	Estrada
291 " "	Smith
297 " "	Robiana
319 " "	Ogden
321 " "	Seely
323 " "	Gilbert
337 " "	Gady
168 Watkins Avenue	Wegenroth
239 Watkins Avenue	Ward
29 Park Avenue	Ebert
34 Park Avenue	Duco

Pat Wells
September 4, 1984
Page 2

For reasons of health concerns, I request that the test results be available no longer than 14 days.

Very truly yours,


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

RCJ/sb

cc: Dr. David Lipsky - Fred C. Hart Assoc.
Grace Goodman - Rosenman, Colin, Freund, Lewis & Cohen
Paul Keller, NYSDEC ✓
Dennis Cosgrove, Supervisor, T. Wallkill
M. Schleifer, Assist. Comm. Env. Health, OCHD

Two more chemical-laden wells condemned

By MELODEE ALVES
Staff Writer

E 20

WASHINGTON HEIGHTS — Hazardous levels of the degreasing agent tetrachloroethylene (PCE) have reached two more wells on Highland Avenue Extension, raising the number of condemned wells to nine.

Russell C. Johnson, Orange County health commissioner, said in a press release yesterday that the federal Environmental Protection Agency (EPA) has directed him to order the company allegedly responsible for the contamination, General Switch Co. of Middletown, to connect the two homes in the town of Wallkill to a safe water supply.

The two wells, at 304 and 313 Highland Ave. Ext., previously contained PCE below the hazardous level of 50 parts per billion (ppb) suggested by state Department of Environmental Conservation (DEC).

Still, Joseph Moliterno, who lives at 304 Highland Ave. Ext., said yesterday that his family was surprised when a report received six weeks ago showed the level

had jumped from 12 ppb to more than 100 ppb.

Another test was taken Tuesday to confirm the previous test results, but Moliterno, chairman of the Wallkill Planning Board, said he informed the DEC he was concerned about using the water and did not want to wait another six weeks for results.

PCE, a metal degreaser and dry-cleaning chemical, has caused cancer in laboratory mice and causes rashes and internal organ deterioration in humans when consumed in large quantities for a long period.

Moliterno said a contractor for General Switch, a manufacturer of electrical switch boxes, was able to connect the two-family home yesterday to the above-ground pipeline installed in November after the contamination was discovered in October.

The owner of the other well, Chris Lewis Jr., said yesterday that he has not received official notification that his well has hazardous levels of PCE, but was told by

neighbors the contractor was trying to reach him yesterday.

Lewis said he has been using bottled water since November.

Supervisor Dennis Cosgrove said the town has not received notification from the county, state or federal agencies of the latest developments.

The town is concerned that cleanup and monitoring conditions mandated in an EPA order signed by General Switch in May have not been met, he said.

General Switch has conducted a hydrogeological survey since May, an EPA spokesman said yesterday, but negotiations have continued past the EPA deadlines given to install a permanent water main and to remove the PCE.

Engineering plans for the permanent water main drawn up by the town before General Switch was identified have been approved by the county Health Department, Cosgrove said, and the town is wondering why these plans are not being used.

The above-ground pipeline has been drawing water from a City of Middletown hydrant in a water-service agreement that was approved for 90 days in November with the option to renew until a permanent main is installed.

Cosgrove said he received a letter from the city recently informing the town of the need to renew or terminate the water service. But the town may not be in a position to negotiate further agreements of supplying safe water to the residents, he said, because General Switch was identified in February as the alleged polluter, and now must supply safe water. While the EPA identified General Switch as the source of the pollution, the firm has neither admitted nor denied causing the contamination.

The seven other wells have PCE levels of more than 100 to 290,000 ppm, the highest level of PCE contamination reported in New York. Traces of the chemical have also turned up in wells on Watkins, Commonwealth and Rockwell avenues.

Contaminated-water plan leaves officials dry

E 20

MELODEE ALVES

Writer

MIDDLETOWN — A proposal to pump Middletown Heights' contaminated water through Middletown's sewage treatment plant was tabled yesterday, with concerns about liability and health hazards unanswered. General Switch Co. of Middletown has agreed to pump water from the wells contaminated with tetrachloroethylene through the city's sewage treatment plant for four to six weeks. The company wants to see if running the water through the sewer line will rid the ground water of the chemical.

General Switch has been identified by the local Environmental Protection Agency as an alleged polluter of the town of Wallingford neighborhood.

The city's Public Works Committee met yesterday afternoon with Dr. Russell Johnson, Orange County health commissioner; Dr. Klaus, regional engineer for the Department of Environmental Contamination (DEC); and General Switch President Walter Stern to discuss the company's proposal.

City Public Works Commissioner Alfred Fusco Jr. said the city's insurance company is sure it can find someone to underwrite a liability policy for the city.

The city is covered if the system is accidentally polluted, but he added that "the long introduction of the chemical into

the system is like a red flag waving. The insurance company is not happy with us intentionally introducing the chemical into the system."

Wallkill Supervisor Dennis Cosgrove said last night that the town was not notified of the meeting.

Klauss said the DEC will grant the city temporary permission to discharge PCE from the plant into the Monhagen Brook, with the requirements that it monitor the discharge daily and that the effluent not to exceed 40 parts per billion. The permit could be renegotiated after six months if the pumping shows PCE is being removed effectively.

But Common Council President Gertrude Mokotoff said she was afraid the city would be stuck pumping the water for an indeterminate period because it is not known how much PCE is in the ground water.

Stern said the company's engineering consultants and attorneys are studying other removal methods, but the present proposal appears to be the most effective.

But Alderman Dan Johnson said he could not support the proposal at this point because of unanswered questions on health hazards.

"There's a lot of questions. We do have leaky pipes, and we have no guarantees of how many years we'll be pumping or the accumulation of residue in the pipes,"



Record photo by Melodee Alves

From left, General Switch Co. President Walter Stern, Matthias Schleifer of the Orange County Health Department, Alderman Richard Bossie, Public Works Commissioner Alfred Fusco Jr. and Alderman James Kelly at the meeting.

he said. "I can't support this until there are some guarantees. They're trying to get rid of this in the cheapest way possible, but I'm not buying it yet."

Alderman Wallace Hunt pointed out that some residents downstream along the Monhagen Brook have already expressed concern about the situation.

PCE has been found to cause rashes and

internal organ deterioration in humans when consumed in large quantities over a long period. It has caused cancer in laboratory mice.

Alderman James Kelly said the committee will have to hold further discussions and probably will have to meet again within the next three to four days, when the insurance company's study is due.