(SAVE) 314040

Request for Site Segmentation: Modification of the Van De Water Property NYSDEC Inactive Hazardous Waste Site No. 314040 Van Wagner Road Town of Poughkeepsie Dutchess County, New York

Property Owned By:

Mr. and Mrs. Thomas and Betty Espie
Van Wagner Road
Poughkeepsie, New York 12601

Parcel E, Section II
Subdivision of the Lands of
Thomas R. Espie, Jr. and Betty Espie

Prepared for:

Supervisor and Town Board
Town of Poughkeepsie
1 Overocker Road
Poughkeepsie, New York 12603

Prepared by:

Morris Associates
Engineering Consultants
367 Violet Avenue
Poughkeepsie, New York 12601

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M/A#40133.00

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I. EXECUTIVE SUMMARY

In 1994, the Town of Poughkeepsie began a search for property for the purpose of housing future Town facilities. One site which appeared to be the preferred option is a parcel located along the Burnett Boulevard extension in the Town of Poughkeepsie, currently a small portion of what is known as the Van de Water property. The New York State Department of Environmental Conservation (NYSDEC) had listed the entire 120 acres of the Van de Water property as a Class 2a site in the New York State Registry of Inactive Hazardous Waste Sites as a result of documented tetrachloroethene residue (F002) waste disposal on the property when a portion of the site was operated as a Town municipal landfill in the 1960s. The waste was documented as being generated by one dry cleaning establishment located within the Town. In 1984, the NYSDEC retained Wehren Engineering/CDM to perform a Phase I Investigation and later retained URS Consultants, Inc. in 1992 to perform a Preliminary Site Assessment of the entire Van de Water property. Both studies, in part, sought to identify waste disposal areas and to characterize waste disposal practices throughout this site. Neither investigation included any onsite subsurface testing or chemical analysis. Waste disposal areas were identified by URS and are shown on Figure 2. Additional evidence of industrial waste disposal, other than the tetrachloroethene residue previously mentioned, was not identified.

In August 1994, the Town of Poughkeepsie hired Morris Associates to perform an extensive subsurface investigation of a portion of the Van de Water

property, known as Parcel E, on behalf of the Town of Poughkeepsie. The site area was further revised to include an additional 2.5 acres to the south and southwest. Thus, the revised Parcel E now consists of approximately 14.5 +/- acres. The purpose of Morris Associates' investigation was to determine the extent to which industrial waste may have been deposited in this revised Parcel E site which the Town was considering purchasing. The procedure required that, if waste was identified in any of the test pit locations by visual and/or PID screening methods, then subsequent laboratory analysis would be performed to characterize the waste, specifically identifying the presence or absence of tetrachloroethene or other chlorinated solvents.

Morris Associates' investigation included a total of 33 test pits and soil borings around the perimeter and throughout the revised Parcel E site. In addition, laboratory analysis was performed at 11 of the test pit locations. No sampling for laboratory analysis was performed for any of the soil borings. No evidence of industrial waste disposal was observed and no chlorinated solvents, specifically tetrachloroethene, were detected.

Accordingly, Morris Associates recommends that the NYSDEC modify the linear boundaries of the 120 acre Van de Water Property, Site No. 314040, to exclude the 14.5 acres of the revised Parcel E, declassifying this portion of the site from the Class 2a listing.

II. SITE HISTORY

The 120 acre Van de Water property is comprised of two general areas, a northern area and southern area. Revised Parcel E is a 14.5 acre site portion located in the northern section of the Van de Water property. As previously stated, the entire Van de Water property has been listed as a Class 2a (Site No. 314040) in the New York State Registry of Inactive Hazardous Waste Sites. Class 2a is a classification given by the NYSDEC which describes a suspected inactive hazardous waste site, for which insufficient information exists to assess the significance of potential risks to public health and the environment.

The Van de Water property was listed as a 2a site by the NYSDEC as a result of a Right-to-Know Questionnaire from 1984 which cited this town operated landfill facility as receiving 50 pounds per year of tetrachloroethene residue (F002) beginning in 1963 and continuing until 1971. The landfill was documented as having ceased operations in 1971. The NYSDEC subsequently utilized Wehran Engineering, P.C./Camp Dresser & McKee to characterize the Van de Water property, with the Phase I Investigation Report submitted to the NYSDEC in September 1984. The next phase in the investigation of the potentially inactive hazardous waste site was performed by URS Consultants who prepared the Preliminary Site Assessment. While the PSA did not identify additional industrial or hazardous waste disposal practices at this site, it did state that "due to the age of the facility, the presence of both small and large industries in Poughkeepsie, and past disposal practices, there is a likelihood that other industries have disposed of hazardous waste at this site in the past" (NYSDEC PSA by URS Consultants, Inc., pg. 1). However, no supporting documentation was

produced. Furthermore, the PSA specifically identified the northern area as receiving only spring clean-up materials, tree trimmings, and yard waste from 1976, or earlier, throughout at least 1984 (URS report, pg. 8).

Although there appeared to be no significant documentation as to industrial waste disposal at this site, and the only documented waste reported to have been disposed of on the northern section was primarily limited to yard debris, the actual footprint of the sanitary landfill activities remained unconfirmed. Accordingly, it was determined that some level of subsurface investigation would be necessary to characterize industrial waste disposal practices and associated impacts to environmental media that may exist within revised Parcel E's boundaries.

Morris Associates met with Mr. Carl Hoffman of the NYSDEC to discuss their pending intrusive site investigation schedule and Morris Associates' desire to initiate an investigation on behalf of the Town. It was understood that while the NYSDEC's investigation would focus on the entire 120 acre site, Morris Associates would provide a significantly greater amount of subsurface data for revised Parcel E than their investigation would alone. It was also our understanding that upon implementation of the NYSDEC's Phase I Investigation, if tetrachloroethene was not detected, the revised Parcel E site would be delisted.

III. SITE INVESTIGATION

Morris Associates performed an exhaustive subsurface investigation of revised Parcel E during 3 sampling events, August 26, 1994, September 21, 1994, and September 27, 1994. On August 26, 1994, Morris Associates performed a subsurface waste characterization investigation with their subcontractors, Enviroscience, Inc., Ira D. Conklin & Sons, Inc., and Soil Testing, Inc. The investigation included soil augering split spoon samples at 5 feet and 10 feet depths at each soil boring location and excavating test pits with a backhoe. Morris Associates excavated additional test pits on September 21, and September 27, 1994. The NYSDEC Region 3 office was notified and invited to be present during the field investigation activities.

Twenty three (23) test pits were excavated and 10 soil borings were developed in total. Visual observations were made regarding evidence of landfilling that would be characteristic of the deposition of industrial waste. This included noting the presence or absence of any buried containers or drums containing labelled or otherwise unknown suspect waste, and any evidence of the encroachment of landfilling from areas previously delineated by the NYSDEC's PSA and initial Phase I Investigation that was not indicative of spring clean up debris and/or yard waste.

The type of waste for each soil boring and test pit, where encountered, is summarized in Tables 1 and 2. Also summarized in Tables 1 and 2 are the test pit dimensions, soil boring depths, field PID screening results, and respective laboratory analysis results. The location of the soil boring points (identified as SP1 - SP10) and the test pits (identified as TP1 -

TP23) are shown on Figure 3, Morris Associates' Subsurface Sampling Points Map. All test pit and soil boring locations were field located by the Morris Associates' Survey Department.

FIELD SCREENING METHODOLOGY

Enviroscience utilized an HnU photo ionization detector (PID) trace gas analyzer (10.2 ev) during the excavation of the test pits. The HnU trace gas analyzer is an effective qualitative instrument which measures total volatile (and some semi-volatile) contaminant concentrations in air. Since it measures total contaminants, it is utilized as a screening tool to assess the likely presence or absence of volatile organic contaminants and, therefore, to determine the need for further field testing and/or laboratory analysis. The PID instrument was calibrated to a 100 ppm Isobutylene standard and set to effectively measure a 1:1 ratio of Benzene. The HnU was utilized to screen the excavated soil from each test pit by placing the probe in manually created cavities within the stockpile. Several readings were recorded for each stockpile. In addition, the probe was extended down into each test pit. No needle deflections were recorded. The HnU was utilized for the investigations on August 26 and September 21 only. Excessive rain inhibited its use during the excavation of test pits on September 27, 1994.

Enviroscience also utilized an Industrial Scientific combustible gas indicator (CGI) to detect %LEL and H2S. The CGI was calibrated to a known 25% LEL Pentane standard and 25 ppm H2S standard. The CGI was utilized for health & safety air monitoring in the work zones. Subsequently, continuous

readings were not recorded. No readings above background levels were detected.

On August 26, 1994 zero headspace analysis PID screening was performed on the soil boring samples collected by Morris Associates. Morris Associates collected samples at 5 and 10 foot depths below ground surface and placed the native matrix in pre-cleaned laboratory quart glass jars. Foil was placed over each jar and the tops sealed. Readings were recorded by inserting the HnU probe into the jar, through the foil. No needle deflections were recorded for any of the soil boring samples.

SUBSURFACE GEOLOGIC CHARACTERISTICS

NORTH OF THE EXISTING WAREHOUSE BUILDING

Clay was encountered at approximately 1 - 2 feet deep for each of the Test Pits 1 - 4. Yard debris consisting of buried leaves and charred wood debris was encountered in TP 1, 2 and 4.

No clay was encountered at SP 5 or SP 6, which were located closer to the north side of the building, along the northern edge of the gravel road that runs parallel to the building here. At SP 5 and SP 6, light brown and gray till was encountered with more sandy till and sand at SP 5. No waste was encountered at SP 5, while at SP 6 located east of SP 5, bedrock was encountered at a 5 foot depth.

No groundwater was encountered at any of these excavations or soil borings north of the warehouse building, with the greatest depth excavated in this northern area at SP 5 at 12 feet deep.

IMMEDIATELY WEST OF THE EXISTING WAREHOUSE BUILDING

Clay was encountered at approximately 1-2 feet depths for SP 3, SP 4, and TP 7, all located along the western exterior wall of the warehouse building. No waste was encountered at any of these soil boring or test pit locations. At TP 7, an installed PVC drainage pipe was encountered.

Construction debris from the warehouse building was observed on the surface at TP 16. However, no landfilled waste was encountered during this test pit's excavation.

No groundwater was encountered at any of these locations.

WEST OF THE STREAM; IN THE VICINITY OF THE EXISTING POLE BARN

No soil borings were augured in this area which in general is in the vicinity of the pole barn building.

Note that TP 5 was excavated outside of the revised Parcel E boundary.

Clay was encountered immediately at TP 22, and between 4 - 6 feet deep for TP 6, 13, 14, and 23. Clay was found at approximately 3 feet deep at TP 15.

Mixed household garbage was encountered only at TP 6 and TP 21. No waste of any type was encountered at test pits 15, 20, 13, 14, and 22.

No groundwater was encountered in any of these test pits. Water was noted in TP 22 and TP 23 which is presumably attributable to the fact that these

were excavated during and just after a heavy rain event on September 27, 1994.

LANDFILLING ENCOUNTERED

In all test pits and soil boring locations, no evidence of industrial waste deposition was observed nor was there any indication of the presence of this type of waste when utilizing the PID and/or by laboratory analysis. Specifically, no landfilling of waste of any type was encountered in the following:

TP 3, 8, 13, 14, 15, 16, 20, 22, 23, SP1-SP10A.

Various types of yard/spring clean up debris and household garbage was, however, identified in the following test pits:

Yard debris/spring clean-up:	TP 1, 2, 4, 7, 9.
Household sanitary waste landfilling:	TP 6, 17, 18, 19.

Minimal amounts of possible household sanitary waste was encountered in TP10, TP11, TP12, and TP21. However, there did not appear to be gross deposition as was the case with TP6 and TP17-19.

Based on visual observation, it appears that the northern section of the Van de Water site was utilized for the disposal of what was previously characterized by URS as spring cleanup, yard debris, and tree trimmings.

Evidence of household garbage appeared at the southern portion of this revised Parcel E which may be an encroachment of sanitary landfilling which

presumably occurred in the south section of the entire site. However, additional soil borings moving inward from the property line did not show evidence of landfilling. Further, laboratory analysis in test pits 17 through 19 did not indicate the presence of industrial or hazardous waste, specifically tetrachloroethene.

LABORATORY ANALYSIS

Of the 23 test pits excavated, soil samples were collected for laboratory analysis from 10 of the test pit locations. All samples were submitted for laboratory analysis of EPA Method 8240 (volatile organics) and EPA Method 8270 (semi-volatile organics). In addition, the soil sample obtained from TP 6 was laboratory analyzed for EPA Method 8021 and Priority Pollutant Metals.

All samples were collected with pre-cleaned and dedicated stainless steel spades and/or scoops and placed in laboratory pre-cleaned glassware. Samples were stored in a cooler with ice packs and delivered to Camo Laboratories Sample Receiving Department located in Poughkeepsie, NY on the same day of sample collection.

Laboratory analysis was performed by Camo Laboratories, a New York State Health Department certified laboratory, NYS ELAP No. 10310.

The complete laboratory analytical reports are provided in Appendix A. Except where noted on Tables 1 and 2, all results were non detects above the laboratory detection limit for the complete list of target compounds for each method. A review of the laboratory results confirms that no industrial waste, specifically tetrachloroethene, was found at this site.

However, in two of the samples, m- and p- xylenes were detected. Although xylenes were detected in TP 11 and TP 17, the concentrations were less than the NYSDEC STARS Memo #1 : Petroleum Contaminated Soil Guidance Policy's TCLP (Toxic Characteristic Leaching Procedure) alternative guidance value of 100 ppb. Additionally, TP 11 was a near surface sample collected within the soil/waste fill that lies under an asphalt surface. Also, bedrock was encountered at 2.5 feet from the surface. Therefore, the xylenes in the sample may be associated with the asphalt surface.

Acetone detection in samples TP 8, TP 15, and TP 17 can be attributable to laboratory contamination due to the low levels detected in TP 8 and TP 15, and the detection of Acetone in the method blank for TP 17.

The detection of bis(2-Ethylhexyl) phthalate and several metals which were detected in TP 6 can be attributed to the household garbage, including plastic containers and metal debris which was encountered in this test pit.

IV. CONCLUSION

The NYSDEC Inactive Hazardous Waste Program utilizes the 2a classification to describe a suspected inactive hazardous waste site. The reason for the Van de Water property, (both north and south sections totalling 120 acres) being classified as a 2a site was due to the Right-to-Know documentation that indicated a history disposal of tetrachloroethene, although the exact location was unknown. The listing of the site enabled the NYSDEC to perform a PSA to further characterize the significance of a potential environmental or public health threat.

The NYSDEC's PSA did not indicate any other documentation of industrial waste disposal other than what was previously identified. In addition, the NYSDEC's PSA did not provide any further records as to where exactly on the 120 acres site this waste had been placed. Additionally, and in accordance with acceptable PSA methodology, no analytical testing was performed by the NYSDEC as part of their PSA. With this limited information, Morris Associates performed their subsurface investigation and testing of revised Parcel E to characterize the extent of hazardous waste landfilling within revised Parcel E's boundary. No hazardous waste including tetrachloroethene was detected in any of the (ten) 10 laboratory analyzed soil samples. In addition, no visual evidence of industrial waste disposal was observed in any of the 33 test pit and soil boring locations throughout revised Parcel E.

Based on the fact that no industrial waste landfilling was observed and no tetrachloroethene was detected, Morris Associates has concluded that revised Parcel E is not a hazardous waste concern. Subsequently, Morris

Associates requests that the NYSDEC exclude revised Parcel E from the entire 120 acre Van de Water Property, thus modifying the property limits of the Van de Water property 2a site, No. 314040, to consist of the remaining 105 ± acres.

V. RECOMMENDATIONS

Morris Associates recommends that revised Parcel E be removed from the existing boundaries of the site known as the Van de Water property, NYSDEC Inactive Hazardous Waste Site No. 314040.

TABLE 1

ESPIE PROPERTY
SITE INVESTIGATION PERFORMED BY ENVIROSCIENCE, INC.
AUGUST 26, 1994

LOCATION							
TEST PIT NUMBER (TP)	1	2	3	4	5	6	7
SAMPLING DATE	8/26/94	8/26/94	8/26/94	8/26/94	8/26/94	8/26/94	8/26/94
DESCRIPTION	trench	trench	trench	trench	trench	trench	trench
WIDTH (in feet)	2	2	2	2	2.5	2.5	2.5
LENGTH	23	16	12	18	16	7	10
DEPTH	8	9.5	8	9	10	6	3
DEPTH TO WATER	5	seeps at 5.5 feet	none	none	none	none	none
SOIL ENCOUNTERED	0 - 2 ft.: gray silt, lt. brown, & gray clay 2 - 7.5 ft.: buried leaves	0 - 1 ft.: bags of leaves 1 - 9.5 ft.: clay	0 - 1 ft.: silt loam 1 - 3 ft.: clay 3 - 4 ft.: lt. blue clay 4 - 6.5 ft.: lt gray & brown clay	0 - 2 ft.: blue clay at 2 ft.: layer of charred wood debris 2 - 9 ft.: blue clay	0 - 9.5 ft.: brown loam soil and brick rubble 9.5 - 10 ft.: blue clay	0 - 6 ft.: mixed garbage at 6 ft.: blue clay	0 - 3 ft.: brown clay, loamy silt, piece of wire at 3 ft.: 10 inch diameter of installed PVC pipe
WASTE ENCOUNTERED	buried leaves	bags of leaves	none	charred wood debris	brick rubble	mixed garbage	piece of wire
OTHER OBSERVATIONS		no standing water in trench					
FIELD SCREENING : PID - HNU							
OF TRENCH:	no detects	no detects	no detects	no detects	no detects	no detects	no detects
OF STOCKPILE:	no detects	no detects	no detects	no detects	no detects	no detects	no detects
LAB ANALYSIS Priority Pollutant Metals EPA Method 8021 EPA Method 8270	none	none	none	none	none	sampling at 6' deep EPA 8021 : No Detects PPMetals* : detects EPA 8270** : detects * : detects of Cadmium, Chromium, Copper, Lead, and Zinc ** : detect of bis(2-Ethylhexyl) phthalate	none

ND = Not detected above laboratory detection limit.

ESPIE PROPERTY
SITE INVESTIGATION PERFORMED BY ENVIROSCIENCE, INC.
SEPTEMBER 21, 1994

LOCATION									
TEST PIT NUMBER (TP)	8 (SP4)	9 (SP5)	10 (SP6)	11	12	13	14	15	16
SAMPLING DATE	9/21/94	9/21/94	9/21/94	9/21/94	9/21/94	9/21/94	9/21/94	9/21/94	9/21/94
DESCRIPTION	trench	trench	trench	trench	trench	trench	trench	trench	trench
WIDTH (in feet)	2.5	2.5	2.5 - 8	2.5	2.5	2.5	2.5	2.5	2.5
LENGTH	12	13	11	8	10	9	8	8	12
DEPTH	9	11	4.5	2.5	8	5	4	5	3
DEPTH TO WATER	9	none	none	wet at 2 feet in one spot	none	none	none	none	none
SOIL ENCOUNTERED	slate-like fill clay at 9 ft.: water	gray and brown soil mix with small wood debris; gravelly soil; some metal debris; bicycle tire; no clay	at 2 - 4 ft.: garbage at 4.5 ft.: bedrock	surface: asphalt paving at 2.5 ft.: bedrock	surface: grass through gravel (item 4) fill; at 2 ft.: garbage	0 - 4 ft.: brown loamy soil 4 - 5 ft.: lt. brown clay	surface: concrete & metal & wood debris; 0 - 4 ft.: brown loamy soil at 4 ft.: clay	0 - 3 ft.: lt. brown loamy soil at 3 ft lt. brown & lt. gray clay	on surface: plastic sheeting; foam sheeting; metal debris; 0 - 3 ft.: lt. brown loamy soil
WASTE ENCOUNTERED	- none	- wood debris - metal debris - bicycle tire	- Overocker Road sign - bottles - small metal debris - garbage bags - bed springs - debris - clothes debris - plywood - mattress - plastic - charred stumps	- rubber glove - flattened metal drainage pipe - PVC piping; - wood debris - artificial christmas garland - metal - venetian blind - plastic debris	- bottles - plywood - feed bucket - metal debris - tree stump - chamber pot - beer can - plastic	- none	- C & D debris located only at surface	- none	- C & D debris located only at surface
OTHER OBSERVATIONS	slight landfill odor			'landfill' odor					
FIELD SCREENING : PID - HNU									
OF TRENCH:	no detects	no detects	no detects	detects	no detects	no detects	no detects	no detects	no detects
OF STOCKPILE:	no detects	no detects	no detects	detects	no detects	no detects	no detects	no detects	no detects
LAB ANALYSIS	8240, 8270	8240	none	8240, 8270	8240	none	none	8240	8240
EPA Method 8270	8270 : ND			8270 : ND					
EPA Method 8240	8240 : ND except for acetone - 50 ppb	ND		8240 : ND except for m-, p-xylenes - 68 ppb; and acetone - 30 ppb.	ND			ND	ND

ND = Not detected above laboratory detection limit

ESPIE PROPERTY
SITE INVESTIGATION PERFORMED BY ENVIROSIENCE, INC.
SEPTEMBER 27, 1994

LOCATION							
TEST PIT NUMBER (TP)	17	18	19	20	21	22	23
SAMPLING DATE	9/27/94	9/27/94	9/27/94	9/27/94	9/27/94	9/27/94	9/27/94
DESCRIPTION	trench	trench	trench	trench	trench	trench	trench
WIDTH (in feet)	2.5	2.5	2.5	2.5	4	2.5	2.5
LENGTH	10	12	7	8	11	7	10
DEPTH	7.5	11	8	8	12	10	8
DEPTH TO WATER	Water seeps at 2' Filling with water at 3'	Water seeping at 2.5' Filling with water at 4'	Water seeps at 1.5 - 2' Water at 2'	No water encountered	No water encountered	Pouring rain during excavation	Water at 8'
ODOR	Strong smell at 3' deep						
SOIL ENCOUNTERED	Clay, gray clay	brown soil; larger rocks (shale) at 1.5-2'; wood debris; garbage at 2.5-8'; clay (gray) 8-11'	at surface - larger white metal debris; brown soil; gray and brown clay	surface - gravel, some vegetation; brown loamy soil; dry; some rocks (shale)	dry loamy soil; some shale rocks; sandier soil mixed w/ garbage	gray and brown clay "blue" clay ?	at surface - C&D, brown loamy soil; clay at @ 4-6'; sandy layer underneath
WASTE ENCOUNTERED	Municipal Garbage - plastic containers - broken glass - metal debris - wood debris - brush - plastic bags - newspapers - bottles - cardboard - tire	Municipal Garbage - plastic clorox containers - soda cans - plastic - telephone book - orange juice cans - coffee cans - metal debris - baby food jar - household ammonia container - white metal (some crushed appliance	Municipal Garbage - plastic bags - bottles - plastic containers - bike tire inner tube - tire - metal debris - wood debris - veneban blinds - orange plastic - plastic hose - bed springs	None	- metal cable - plastic - metal pot - sink trap - inkwells - bottles - metal debris - stove pipe - toilet bowl - bed springs - glass listerine bottle - ashes prevalent throughout - registered milk bottles	None	Surface C&D None underground
LAB ANALYSIS	8240, 8270 at 7.5 deep	none	none	8240 at 8' deep	8240 at 11' deep	8240 at 10' deep	none
EPA Method 8270	8270 : ND						
EPA Method 8240	8240 : ND except for acetone - 140 ppb; m-, p-xylene - 40 ppb			8240 . ND	8240 : ND	8240 : ND	

ND = Not detected above laboratory detection limit.

TABLE 2

ESPIE PROPERTY
SITE INVESTIGATION PERFORMED BY MORRIS ASSOCIATES
AUGUST 26, 1994

LOCATION						
SAMPLING POINT	1	2	3	4	5	6
SAMPLING DATE	8/26/94	8/26/94	8/26/94	8/26/94	8/26/94	8/26/94
DESCRIPTION	south side east section of building	south side western section of building	30' from building west side, southwest corner of building	west side northwest corner of building	north side northwest corner of building	north side of building
DEPTH TO WATER	no water encountered	no water encountered	no water encountered	no water encountered	no water encountered	no water encountered
SOIL ENCOUNTERED	0-1' - dark brown loam (topsoil) 1-4' - tight glacial till trace sand 5' - sample - tight lean clay 5-10' - tight lean light gray clay 10' - sample - tight lean clay	0-1' - dark brown loam (topsoil) 1-3' - light brown till trace clay 3-5' - light gray tight clay 5' - sample - light gray tight clay 5-10' - tight lean light gray clay 10' - sample - tight lean light gray clay	0-6" - light brown loam 1-5' - medium brown clay - trace gray clay 5' - sample - med. brown clay trace gray clay 5-10' - medium brown clay trace gray clay 10' - sample - change over in middle of split spoon to wet, dark gray clay	0-6" - crushed shale/slate from roadway 1-5' - light gray, brown till 5' - minimal sample earth/slate with clay did not yeild a split spoon sample 5-10' - dark gray clay 10-12' - cut through slate with tube - split spoon sample in tube - may be some paper 10-12' - split spoon sample nothing retrievable 12-14' - split spoon sample nothing retrievable	0-6" - brown loam 1-5' - light to dark gray till 5-7' - sample - (hard to drive) light gray and brown sandy till 7-10' - light gray till, gravelly sand, loose light till 10-12' - sample - gray with trace of fine sand lens	0-5' - some organics (weeds) and light brown till - Refusal at 5' bedrock and/or boulder, looks like concrete fill - no sample retrieved
PID : ZERO HEADSPACE ANALYSIS	ND	ND	ND	ND	ND	ND

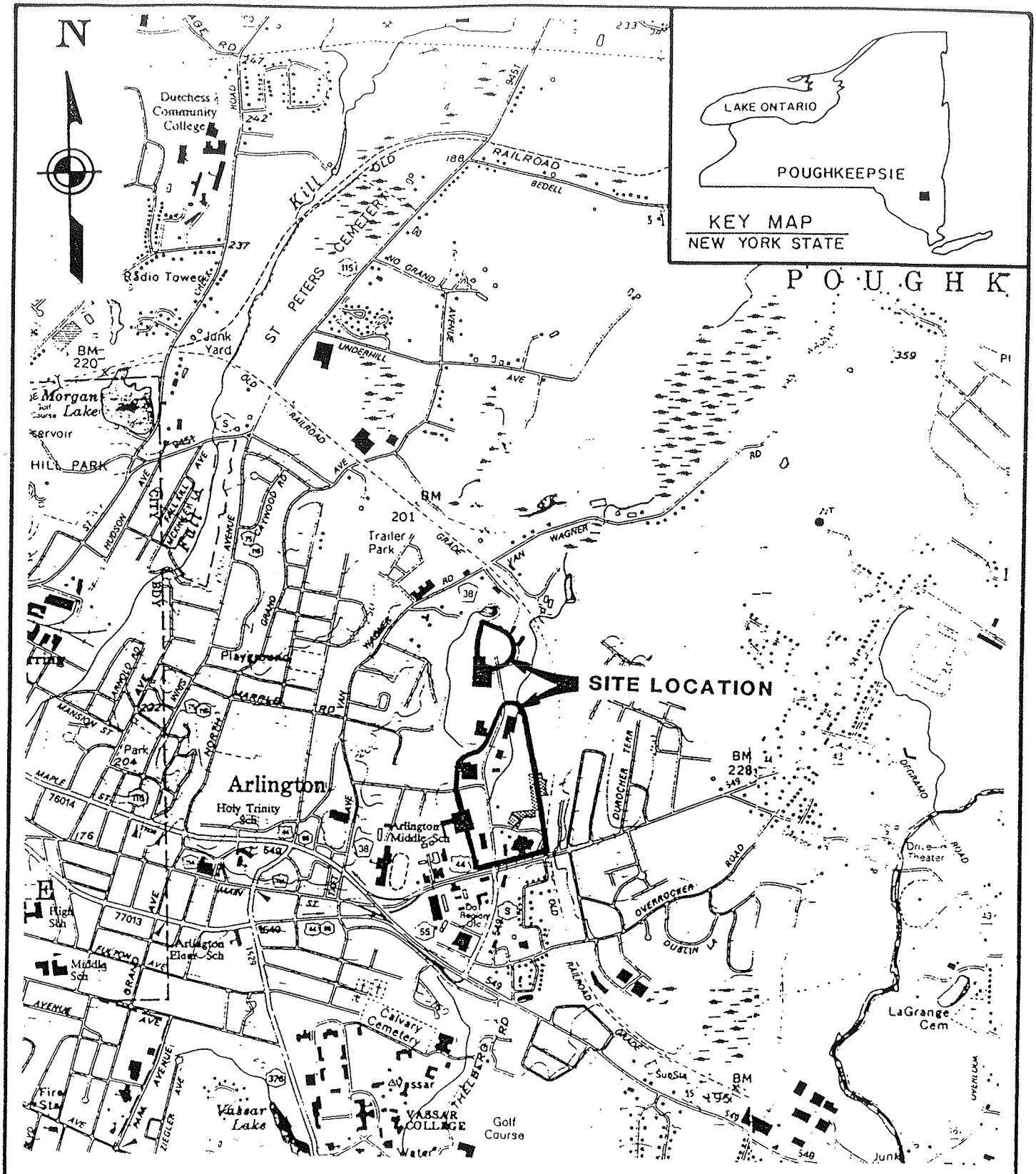
ND = No detection.

ESPIE PROPERTY
SITE INVESTIGATION PERFORMED BY MORRIS ASSOCIATES
AUGUST 26, 1994 (continued)

LOCATION						
SAMPLING POINT	7	7A	8	9	10	10A
SAMPLING DATE	8/26/94	8/26/94	8/26/94	8/26/94	8/26/94	8/26/94
DESCRIPTION	2' from edge of pavement	10' from edge of pavement	inside gated fenced area near WKIP entrance	in island in front of office and parking lot	southwest corner of property	10' north
DEPTH TO WATER	no water encountered	no water encountered	no water encountered	no water encountered	no water encountered	no water encountered
SOIL ENCOUNTERED	0-2' - gravel fill 2' - bedrock refusal dark gray soft shale	0-2' - stone fill 2' - bedrock refusal	0-1' - topsoil 1' - bedrock refusal	0-6" - topsoil 6"-2' - light brown loam and gravel 2-4' - cut into medium gray slate - no sample retrieved	0-2' - brown loam 2' - refusal	0-1' - brown organic loam 1-5' - light brown silty clay 5-7' - sample 5-10' - light brown, beige silty clay 10-12' - sample - very plastic 15-17' - sample - light gray very moist silty clay
PID : ZERO HEADSPACE ANALYSIS	ND	ND	ND	ND	ND	ND

ND = No detection.

FIGURE 1



SOURCE

POUGHKEEPSIE, N.Y. QUADRANGLE (1989)
PLEASANT VALLEY, N.Y. QUADRANGLE (1989)
NYSDOT 7.5 MINUTE SERIES

URS CONSULTANTS, INC.	VAN DE WATER PROPERTY, NORTH SITE LOCATION MAP	FIGURE 1

A-3652

FIGURE 2

N

CONRAIL

VAN WAGNER ROAD

NYDEC WETLAND PK - 5

POND

POND

LIMIT OF FILL

CASPER CREEK

COOPER RD.

WKIP RADIO STATION

APARTMENT COMPLEX

MARPLE RD.

MAY FLOWER

MOUNDED FILL

ROE MOVERS

FRIENDLY LANE

CALDORS SHOPPING PLAZA

K-MART

ARLINGTON JR. HIGH SCHOOL

TAFT AVE

BURNETT BLVD.

APPROXIMATE LIMIT OF FILL

PARKWAY

DUTCHESS

L E G E N D

- PROPOSED SOIL / WASTE SAMPLE LOCATION
- PROPOSED BEDROCK MONITORING WELL AND SOIL SAMPLE LOCATIONS
- PROPOSED SURFACE WATER AND SEDIMENT SAMPLE LOCATIONS
- MONITORING WELL IN ASSOCIATION WITH SCHATZ FEDERAL BEARING RI/FS

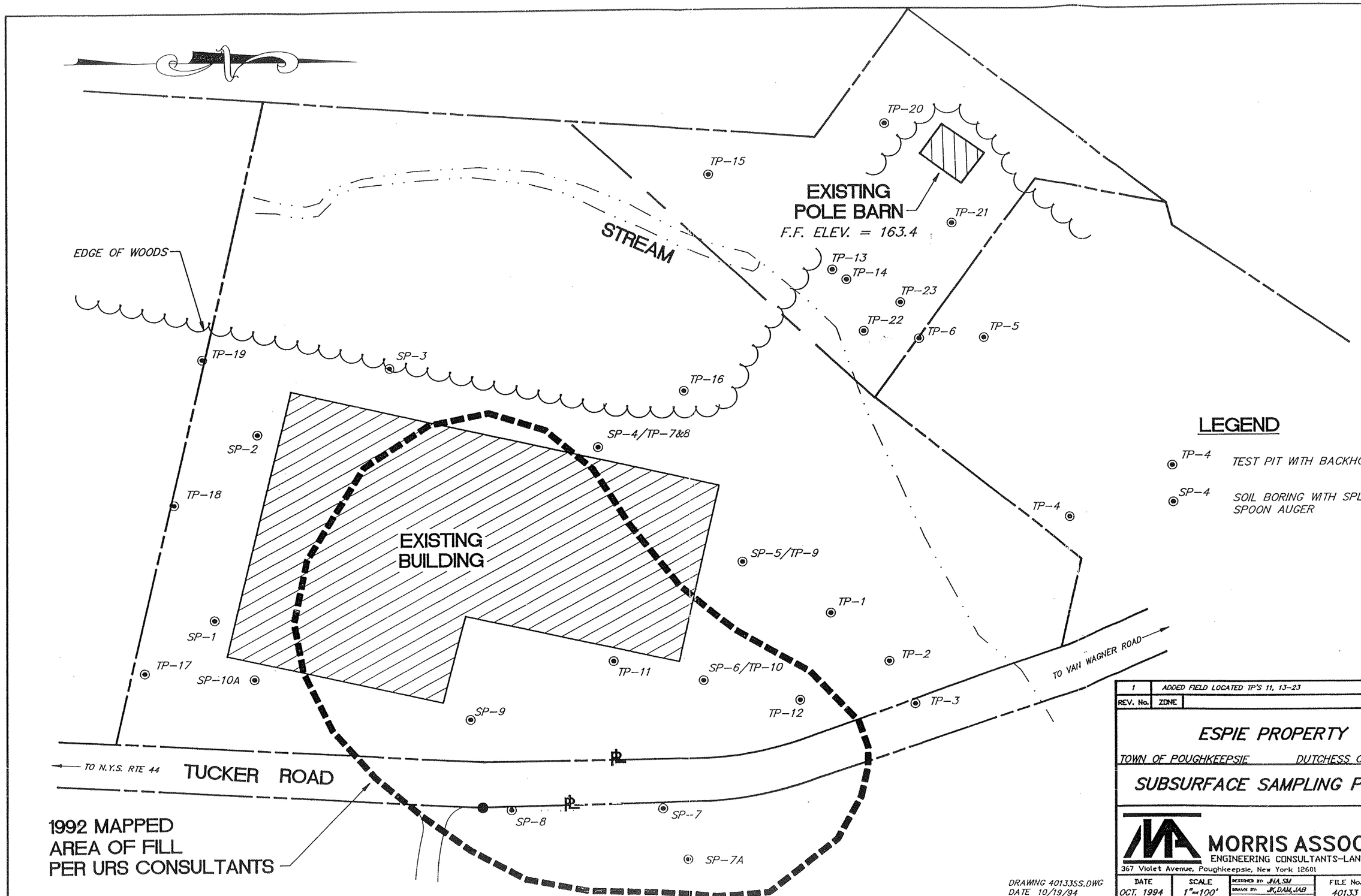
APPROXIMATE SCALE 0 400 800 FT

URS CONSULTANTS, INC.

VAN de WATER PROPERTY
SITE SKETCH

FIGURE 2

FIGURE 3



REV. No.	ZONE		DATE	BY
1		ADDED FIELD LOCATED TP'S 11, 13-23	10/19/94	JAB

ESPIE PROPERTY

TOWN OF POUGHKEEPSIE DUTCHESS COUNTY, N.Y.

SUBSURFACE SAMPLING POINTS

MORRIS ASSOCIATES
ENGINEERING CONSULTANTS-LAND SURVEYORS
367 Violet Avenue, Poughkeepsie, New York 12601

DATE	SCALE	DESIGNED BY JHA, SM DRAWN BY JR, DAM, JAB CHECKED BY JHA	FILE No.	DRAWING No.
OCT. 1994	1"=100'		40133	

DRAWING 40133SS.DWG
DATE 10/19/94

APPENDIX A

CAMO LABORATORIES, INC
367 VIOLET AVENUE
POUGHKEEPSTE, NEW YORK 12601
(914) 473-9200
FED. I.D. #14-1725654

Morris Associates
367 Violet Ave.
Poughkeepsie, NY 12601

Date of Invoice: 9-28-94
P.O. #:
Typed by: mbb
Invoice #: 94-08-9698

Analytical Report

Sample Identification

Date Samples Collected:	8-26-94	(11313) TP-6
Date Samples Received:	8-26-94	
Samples Collected By:	Client	
Samples Delivered By:	Client	
Matrix:	Soil	

Parameters	Unit/ Measure	(11313)
Method 8021 **		*
Method 8270		*
Priority Pollutant Metals		*
% Solids		86.5

Analysis Comments: * See attached tables.

** Substituted for Method 8240.

Comments: All samples will be discarded after twenty-one (21) days or EPA Holding time, whichever is shorter, unless we are notified otherwise.

Hazardous waste samples will be returned to client.

Analytical Methods: All analytical methods comply with those specified in APHA "Standard Methods" and/or EPA approved methods.

Laboratory Director

John F. Eisenhardt

NYS LAB ID NO.: 10310 NJ LAB ID NO.: 73841 CT LAB ID NO.: PH-0593

CAMO LOG NO.: 94-08-9698

PRTORTTY POLLUTANT METALS

PARAMETERS	SAMPLE TDENTTFTCATTONS (11313) TP-6
Antimony	<7
Arsenic	3.9
Beryllium	0.8
Cadmium	1.5
Chromium	17
Copper	40
Lead	45.1
Mercury	0.1
Nickel	25
Selenium	<0.6
Silver	<1
Thallium	<0.6
Zinc	120

NOTE: All results expressed in mg/kg as dry wt. unless noted otherwise.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Laboratory Name: CAMO Laboratories, Inc.
Client Name: Morris Associates
Project/Facility Name:
Sample Location: TP-6
Matrix: Soil
Method: EPA 8021

% Moisture: 14

Sample ID: 9692-11313
Date Collected: 8-26-94
Date Received: 8-26-94
Date Analyzed: 9-12-94

Date Reported: 9-28-94

Dilution Factor: 1

COMPOUND	Detection Limit (ug/kg) as dry wt	Sample Conc. (ug/kg) as dry wt	Q
Chloromethane	11.63		U
Bromomethane	11.63		U
Vinyl Chloride	11.63		U
Chloroethane	11.63		U
Methylene Chloride	5.81		U
1,1-Dichloroethene	5.81		U
1,1-Dichloroethane	5.81		U
1,2-Dichloroethene (Total)	5.81		U
Chloroform	5.81		U
1,2-Dichloroethane	5.81		U
2-Chloroethylvinyl Ether	11.63		U
1,1,1-Trichloroethane	5.81		U
Carbon Tetrachloride	5.81		U
Bromodichloromethane	5.81		U
1,2-Dichloropropane	5.81		U
cis-1,3-Dichloropropene	5.81		U
Trichloroethene	5.81		U
Dibromochloromethane	5.81		U
1,1,2-Trichloroethane	5.81		U
Benzene	5.81		U
trans-1,3-Dichloropropene	5.81		U
Bromoform	5.81		U
Tetrachloroethene	5.81		U
1,1,2,2-Tetrachlorethane	5.81		U
Toluene	5.81		U
Chlorobenzene	5.81		U
Ethylbenzene	5.81		U
Styrene	5.81		U
Total Xylenes	5.81		U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
BASE/NEUTRAL/ACID EXTRACTABLE COMPOUNDS

Laboratory Name: CAMO Laboratories, Inc.
Client Name: Morris Associates
Project/Facility Name:
Sample Location: TP-6
Matrix: Soil
Method: EPA 8270
Moisture %: 14

Sample ID: 9698-11313
Date Collected: 8-26-94
Date Received: 8-26-94
Date Extracted: 9-7-94
Date Analyzed: 9-26-94
Date Reported: 9-28-94
Dilution Factor: 1

COMPOUND	Detection Limit (ug/kg) as dry wt.	Sample Conc. (ug/kg) as dry wt.	Q
Phenol	384		U
bis(2-Chloroethyl) ether	384		U
2-Chlorophenol	384		U
1,3-Dichlorobenzene	384		U
1,4-Dichlorobenzene	384		U
Benzyl alcohol	767		U
1,2-Dichlorobenzene	384		U
1,2-Diphenylhydrazine	384		U
2-Methylphenol	384		U
bis(2-Chloroisopropyl) ether	384		U
N-Nitrosodimethylamine	384		U
4-Methylphenol	384		U
N-Nitroso-di-n-propylamine	384		U
Hexachloroethane	384		U
Nitrobenzene	384		U
Isophorone	384		U
2-Nitrophenol	384		U
2,4-Dimethylphenol	384		U
Benzoic acid	1919		U
bis(2-Chloroethoxy) methane	384		U
2,4-Dichlorophenol	384		U
1,2,4-Trichlorobenzene	384		U
Naphthalene	384		U
4-Chloroaniline	767		U
Hexachlorobutadiene	384		U
4-Chloro-3-methylphenol	384		U
2-Methylnaphthalene	384		U
Hexachlorocyclopentadiene	384		U
2,4,6-Trichlorophenol	384		U
2,4,5-Trichlorophenol	384		U
2-Chloronaphthalene	384		U
2-Nitroaniline	1919		U
Dimethylphthalate	384		U
Acenaphthylene	384		U
2,6-Dinitrotoluene	384		U
3-Nitroaniline	1919		U
Acenaphthene	384		U
2,4-Dinitrophenol	1919		U
4-Nitrophenol	384		U
2,4-Dinitrotoluene	384		U
Diethylphthalate	384		U
4-Chlorophenyl-phenylether	384		U
Fluorene	384		U
4-Nitroaniline	1919		U
4,6-Dinitro-2-methylphenol	1919		U
N-Nitrosodiphenylamine (1)	384		U
4-Bromophenyl-phenylether	384		U
Hexachlorobenzene	384		U
Pentachlorophenol	1919		U
Phenanthrene	384		U
Anthracene	384		U
Di-n-butylphthalate	384		U
Fluoranthene	384		U
Pyrene	384		U
Butylbenzylphthalate	384		U
3,3'-Dichlorobenzidine	767		U
Benzo(a)anthracene	384		U
Chrysene	384		U
bis(2-Ethylhexyl) phthalate	384	1400	
Di-n-octylphthalate	384		U
Benzo(b)fluoranthene	384		U
Benzo(k)fluoranthene	384		U
Benzo(a)pyrene	384		U
Indeno(1,2,3-cd)pyrene	384		U
Dibenz(a,h)anthracene	384		U
Benzo(g,h,i)perylene	384		U

CAMO LABORATORIES

A DIVISION OF CAMO POLLUTION CONTROL, INC.

POUGHKEEPSIE AREA FACILITY:
CAMO LABORATORY
367 VIOLET AVENUE
POUGHKEEPSIE, N.Y. 12601
(914) 473-9200

CHAIN OF CUSTODY

CLIENT: Morris Assoc.

SAMPLER: Sue Morris

SAMPLE NO./ID	LOCATION/CONTAINER	DATE	TIME	SAMPLE TYPE	COMP	GRAB	No. of CONT.	ANALYSIS REQUIRED
112015	TP-6	8/26/91	12:20	Soil	X		1	8240
07790	TP-6	"	12:20		X		1	8270 + Metals PP METALS.

Relinquished by:		Received by:	Date / Time
Relinquished by:		Received by:	Date / Time
Dispatched by:	Date / Time	Received for Laboratory by: Mary Beth Das	Date: / Time: 1430

Method of Shipment:

Comments:

CAMO Containers ☐

CAMO LABORATORIES, INC
367 VIOLET AVENUE
POUGHKEEPSIE, NEW YORK 12601
(914) 473-9200
FED. I.D. #14-1725654

Morris Associates
367 Violet Ave.
Poughkeepsie, NY 12601

Date of Invoice: 10-14-94
P.O. #:
Typed by: mbb
Invoice #: 94-09-10058

Facility: Town of Poughkeepsie

Analytical Report

Sample Identification

Date Samples Collected: 9-21-94
Date Samples Received: 9-21-94
Samples Collected By: Sue Morris
Samples Delivered By: Sue Morris
Matrix: Soil

(12156) ESPTE: SP #4 (TP8)
(12157) ESPTE: SP #5 (TP9)
(12158) ESPTE: SP #11 (TP)
(12159) ESPTE: SP #12 (TP)
(12160) ESPTE: SP #15 (TP)
(12161) ESPTE: SP #16 (TP)

Parameters	Unit/ Measure	(12156)	(12157)	(12158)	(12159)	(12160)	(12161)
Method 8240 **		*	*	*	*	*	*
Method 8270		*		*			
% Solids	%	87	90	92	94	78	92

Analysis Comments: * See attached tables.

** Subcontracted to NYS ELAP # 11296.

Comments: All samples will be discarded after twenty-one (21) days or EPA Holding time, whichever is shorter, unless we are notified otherwise.

Hazardous waste samples will be returned to client.

Analytical Methods: All analytical methods comply with those specified in APHA "Standard Methods" and/or EPA approved methods.

Laboratory Director J. F. Eisenhardt
John F. Eisenhardt

NYS LAB ID NO.: 10310 NJ LAB ID NO.: 73841 CT LAB ID NO.: PH-0593

VOLATILE ORGANICS ANALYSIS DATA SHEET

Laboratory Name: CAMO Laboratories, Inc.
Client Name: Morris Associates
Project/Facility Name: Town of Poughkeepsie
Sample Location: ESPTE: SP #4
Matrix: Soil
Method: EPA 8240

% Moisture: 13

Sample ID: 10058-12156
Date Collected: 9-21-94
Date Received: 9-21-94
Date Analyzed: 9-30-94

Date Reported: 10-14-94

Dilution Factor: 2

COMPOUND	Detection Limit (ug/kg) as dry wt	Sample Conc. (ug/kg) as dry wt	Q
Chloromethane	22.99		U
Bromomethane	22.99		U
Vinyl Chloride	22.99		U
Chloroethane	22.99		U
Methylene Chloride	11.49		U
Acetone	22.99	50	
Carbon Disulfide	11.49		U
1,1-Dichloroethene	11.49		U
1,1-Dichloroethane	11.49		U
1,2-Dichloroethene (Total)	11.49		U
Chloroform	11.49		U
1,2-Dichloroethane	11.49		U
2-Chloroethylvinyl Ether	22.99		U
2-Butanone	22.99		U
1,1,1-Trichloroethane	11.49		U
Carbon Tetrachloride	11.49		U
Vinyl Acetate	22.99		U
Bromodichloromethane	11.49		U
1,2-Dichloropropane	11.49		U
cis-1,3-Dichloropropene	11.49		U
Trichloroethene	11.49		U
Dibromochloromethane	11.49		U
1,1,2-Trichloroethane	11.49		U
Benzene	11.49		U
trans-1,3-Dichloropropene	11.49		U
Bromoform	11.49		U
4-Methyl-2-Pentanone	22.99		U
2-Hexanone	22.99		U
Tetrachloroethene	11.49		U
1,1,2,2-Tetrachlorethane	11.49		U
Toluene	11.49		U
Chlorobenzene	11.49		U
Ethylbenzene	11.49		U
Styrene	11.49		U
Total Xylenes	11.49		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

Laboratory Name: CAMO Laboratories, Inc.
Client Name: Morris Associates
Project/Facility Name: Town of Poughkeepsie
Sample Location: ESPTE: SP #5
Matrix: Soil
Method: EPA 8240

% Moisture: 10

Sample ID: 10058-12157
Date Collected: 9-21-94
Date Received: 9-21-94
Date Analyzed: 9-30-94

Date Reported: 10-14-94

Dilution Factor: 2

COMPOUND	Detection Limit (ug/kg) as dry wt	Sample Conc. (ug/kg) as dry wt	Q
Chloromethane	22.22		U
Bromomethane	22.22		U
Vinyl Chloride	22.22		U
Chloroethane	22.22		U
Methylene Chloride	11.11		U
Acetone	22.22		U
Carbon Disulfide	11.11		U
1,1-Dichloroethene	11.11		U
1,1-Dichloroethane	11.11		U
1,2-Dichloroethene (Total)	11.11		U
Chloroform	11.11		U
1,2-Dichloroethane	11.11		U
2-Chloroethylvinyl Ether	22.22		U
2-Butanone	22.22		U
1,1,1-Trichloroethane	11.11		U
Carbon Tetrachloride	11.11		U
Vinyl Acetate	22.22		U
Bromodichloromethane	11.11		U
1,2-Dichloropropane	11.11		U
cis-1,3-Dichloropropene	11.11		U
Trichloroethene	11.11		U
Dibromochloromethane	11.11		U
1,1,2-Trichloroethane	11.11		U
Benzene	11.11		U
trans-1,3-Dichloropropene	11.11		U
Bromoform	11.11		U
4-Methyl-2-Pentanone	22.22		U
2-Hexanone	22.22		U
Tetrachloroethene	11.11		U
1,1,2,2-Tetrachlorethane	11.11		U
Toluene	11.11		U
Chlorobenzene	11.11		U
Ethylbenzene	11.11		U
Styrene	11.11		U
Total Xylenes	11.11		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

Laboratory Name: CAMO Laboratories, Inc.
Client Name: Morris Associates
Project/Facility Name: Town of Poughkeepsie
Sample Location: ESPTE: SP #11
Matrix: Soil
Method: EPA 8240

% Moisture: 8

Sample ID: 10058-12158
Date Collected: 9-21-94
Date Received: 9-21-94
Date Analyzed: 9-30-94

Date Reported: 10-14-94

Dilution Factor: 2

COMPOUND	Detection Limit (ug/kg) as dry wt	Sample Conc. (ug/kg) as dry wt	Q
Chloromethane	21.74		U
Bromomethane	21.74		U
Vinyl Chloride	21.74		U
Chloroethane	21.74		U
Methylene Chloride	10.87		U
Acetone	21.74	30	
Carbon Disulfide	10.87		U
1,1-Dichloroethene	10.87		U
1,1-Dichloroethane	10.87		U
1,2-Dichloroethene (Total)	10.87		U
Chloroform	10.87		U
1,2-Dichloroethane	10.87		U
2-Chloroethylvinyl Ether	21.74		U
2-Butanone	21.74		U
1,1,1-Trichloroethane	10.87		U
Carbon Tetrachloride	10.87		U
Vinyl Acetate	21.74		U
Bromodichloromethane	10.87		U
1,2-Dichloropropane	10.87		U
cis-1,3-Dichloropropene	10.87		U
Trichloroethene	10.87		U
Dibromochloromethane	10.87		U
1,1,2-Trichloroethane	10.87		U
Benzene	10.87		U
trans-1,3-Dichloropropene	10.87		U
Bromoform	10.87		U
4-Methyl-2-Pentanone	21.74		U
2-Hexanone	21.74		U
Tetrachloroethene	10.87		U
1,1,2,2-Tetrachlorethane	10.87		U
Toluene	10.87		U
Chlorobenzene	10.87		U
Ethylbenzene	10.87		U
Styrene	10.87		U
p & m Xylenes	10.87	68	
o-Xylenes	10.87		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

Laboratory Name: CAMO Laboratories, Inc.
Client Name: Morris Associates
Project/Facility Name: Town of Poughkeepsie
Sample Location: ESPTE: SP #12
Matrix: Soil
Method: EPA 8240

% Moisture: 6

Sample ID: 10058-12159
Date Collected: 9-21-94
Date Received: 9-21-94
Date Analyzed: 9-30-94

Date Reported: 10-14-94

Dilution Factor: 2

COMPOUND	Detection Limit (ug/kg) as dry wt	Sample Conc. (ug/kg) as dry wt	Q
Chloromethane	21.28		U
Bromomethane	21.28		U
Vinyl Chloride	21.28		U
Chloroethane	21.28		U
Methylene Chloride	10.64		U
Acetone	21.28		U
Carbon Disulfide	10.64		U
1,1-Dichloroethene	10.64		U
1,1-Dichloroethane	10.64		U
1,2-Dichloroethene (Total)	10.64		U
Chloroform	10.64		U
1,2-Dichloroethane	10.64		U
2-Chloroethylvinyl Ether	21.28		U
2-Butanone	21.28		U
1,1,1-Trichloroethane	10.64		U
Carbon Tetrachloride	10.64		U
Vinyl Acetate	21.28		U
Bromodichloromethane	10.64		U
1,2-Dichloropropane	10.64		U
cis-1,3-Dichloropropene	10.64		U
Trichloroethene	10.64		U
Dibromochloromethane	10.64		U
1,1,2-Trichloroethane	10.64		U
Benzene	10.64		U
trans-1,3-Dichloropropene	10.64		U
Bromoform	10.64		U
4-Methyl-2-Pentanone	21.28		U
2-Hexanone	21.28		U
Tetrachloroethene	10.64		U
1,1,2,2-Tetrachlorethane	10.64		U
Toluene	10.64		U
Chlorobenzene	10.64		U
Ethylbenzene	10.64		U
Styrene	10.64		U
p & m Zylenes	10.64		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

Laboratory Name: CAMO Laboratories, Inc.
Client Name: Morris Associates
Project/Facility Name: Town of Poughkeepsie
Sample Location: ESPTE: SP #15
Matrix: Soil
Method: EPA 8240

% Moisture: 22

Sample ID: 10058-12160
Date Collected: 9-21-94
Date Received: 9-21-94
Date Analyzed: 9-30-94

Date Reported: 10-14-94

Dilution Factor: 2

COMPOUND	Detection Limit (ug/kg) as dry wt	Sample Conc. (ug/kg) as dry wt	Q
Chloromethane	25.64		U
Bromomethane	25.64		U
Vinyl Chloride	25.64		U
Chloroethane	25.64		U
Methylene Chloride	12.82		U
Acetone	25.64	16	
Carbon Disulfide	12.82		U
1,1-Dichloroethene	12.82		U
1,1-Dichloroethane	12.82		U
1,2-Dichloroethene (Total)	12.82		U
Chloroform	12.82		U
1,2-Dichloroethane	12.82		U
2-Chloroethylvinyl Ether	25.64		U
2-Butanone	25.64		U
1,1,1-Trichloroethane	12.82		U
Carbon Tetrachloride	12.82		U
Vinyl Acetate	25.64		U
Bromodichloromethane	12.82		U
1,2-Dichloropropane	12.82		U
cis-1,3-Dichloropropene	12.82		U
Trichloroethene	12.82		U
Dibromochloromethane	12.82		U
1,1,2-Trichloroethane	12.82		U
Benzene	12.82		U
trans-1,3-Dichloropropene	12.82		U
Bromoform	12.82		U
4-Methyl-2-Pentanone	25.64		U
2-Hexanone	25.64		U
Tetrachloroethene	12.82		U
1,1,2,2-Tetrachlorethane	12.82		U
Toluene	12.82		U
Chlorobenzene	12.82		U
Ethylbenzene	12.82		U
Styrene	12.82		U
p & m Zylenes	12.82		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

Laboratory Name: CAMO Laboratories, Inc.
Client Name: Morris Associates
Project/Facility Name: Town of Poughkeepsie
Sample Location: ESPTE: SP #16
Matrix: Soil
Method: EPA 8240

% Moisture: 8

Sample ID: 10058-12161
Date Collected: 9-21-94
Date Received: 9-21-94
Date Analyzed: 9-30-94

Date Reported: 10-14-94

Dilution Factor: 2

COMPOUND	Detection Limit (ug/kg) as dry wt	Sample Conc. (ug/kg) as dry wt	Q
Chloromethane	21.74		U
Bromomethane	21.74		U
Vinyl Chloride	21.74		U
Chloroethane	21.74		U
Methylene Chloride	10.87		U
Acetone	21.74		U
Carbon Disulfide	10.87		U
1,1-Dichloroethene	10.87		U
1,1-Dichloroethane	10.87		U
1,2-Dichloroethene (Total)	10.87		U
Chloroform	10.87		U
1,2-Dichloroethane	10.87		U
2-Chloroethylvinyl Ether	21.74		U
2-Butanone	21.74		U
1,1,1-Trichloroethane	10.87		U
Carbon Tetrachloride	10.87		U
Vinyl Acetate	21.74		U
Bromodichloromethane	10.87		U
1,2-Dichloropropane	10.87		U
cis-1,3-Dichloropropene	10.87		U
Trichloroethene	10.87		U
Dibromochloromethane	10.87		U
1,1,2-Trichloroethane	10.87		U
Benzene	10.87		U
trans-1,3-Dichloropropene	10.87		U
Bromoform	10.87		U
4-Methyl-2-Pentanone	21.74		U
2-Hexanone	21.74		U
Tetrachloroethene	10.87		U
1,1,2,2-Tetrachlorethane	10.87		U
Toluene	10.87		U
Chlorobenzene	10.87		U
Ethylbenzene	10.87		U
Styrene	10.87		U
p & m Xylenes	10.87		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

Laboratory Name: CAMO Laboratories, Inc.
Client Name: Morris Associates
Project/Facility Name: Town of Poughkeepsie
Sample Location: Method Blank
Matrix: Soil
Method: EPA 8240

Sample ID: Method Blank
Date Collected:
Date Received:
Date Analyzed: 9-29-94

Date Reported: 10-14-94

Dilution Factor: 2

COMPOUND	Detection Limit (ug/kg) as dry wt	Sample Conc. (ug/kg) as dry wt	Q
Chloromethane	20.00		U
Bromomethane	20.00		U
Vinyl Chloride	20.00		U
Chloroethane	20.00		U
Methylene Chloride	10.00		U
Acetone	20.00		U
Carbon Disulfide	10.00		U
1,1-Dichloroethene	10.00		U
1,1-Dichloroethane	10.00		U
1,2-Dichloroethene (Total)	10.00		U
Chloroform	10.00		U
1,2-Dichloroethane	10.00		U
2-Chloroethylvinyl Ether	20.00		U
2-Butanone	20.00		U
1,1,1-Trichloroethane	10.00		U
Carbon Tetrachloride	10.00		U
Vinyl Acetate	20.00		U
Bromodichloromethane	10.00		U
1,2-Dichloropropane	10.00		U
cis-1,3-Dichloropropene	10.00		U
Trichloroethene	10.00		U
Dibromochloromethane	10.00		U
1,1,2-Trichloroethane	10.00		U
Benzene	10.00		U
trans-1,3-Dichloropropene	10.00		U
Bromoform	10.00		U
4-Methyl-2-Pentanone	20.00		U
2-Hexanone	20.00		U
Tetrachloroethene	10.00		U
1,1,2,2-Tetrachlorethane	10.00		U
Toluene	10.00		U
Chlorobenzene	10.00		U
Ethylbenzene	10.00		U
Styrene	10.00		U
p & m Zylenes	10.00		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

Laboratory Name: CAMO Laboratories, Inc.
Client Name: Morris Associates
Project/Facility Name: Town of Poughkeepsie
Sample Location: Method Blank
Matrix: Soil
Method: EPA 8240

Sample ID: Method Blank
Date Collected:
Date Received:
Date Analyzed: 9-30-94

Date Reported: 10-14-94

Dilution Factor: 2

COMPOUND	Detection Limit (ug/kg) as dry wt	Sample Conc. (ug/kg) as dry wt	Q
Chloromethane	20.00		U
Bromomethane	20.00		U
Vinyl Chloride	20.00		U
Chloroethane	20.00		U
Methylene Chloride	10.00		U
Acetone	20.00		U
Carbon Disulfide	10.00		U
1,1-Dichloroethene	10.00		U
1,1-Dichloroethane	10.00		U
1,2-Dichloroethene (Total)	10.00		U
Chloroform	10.00		U
1,2-Dichloroethane	10.00		U
2-Chloroethylvinyl Ether	20.00		U
2-Butanone	20.00		U
1,1,1-Trichloroethane	10.00		U
Carbon Tetrachloride	10.00		U
Vinyl Acetate	20.00		U
Bromodichloromethane	10.00		U
1,2-Dichloropropane	10.00		U
cis-1,3-Dichloropropene	10.00		U
Trichloroethene	10.00		U
Dibromochloromethane	10.00		U
1,1,2-Trichloroethane	10.00		U
Benzene	10.00		U
trans-1,3-Dichloropropene	10.00		U
Bromoform	10.00		U
4-Methyl-2-Pentanone	20.00		U
2-Hexanone	20.00		U
Tetrachloroethene	10.00		U
1,1,2,2-Tetrachlorethane	10.00		U
Toluene	10.00		U
Chlorobenzene	10.00		U
Ethylbenzene	10.00		U
Styrene	10.00		U
p & m Zylenes	10.00		U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
BASE/NEUTRAL/ACID EXTRACTABLE COMPOUNDS

Laboratory Name: CAMO Laboratories, Inc.
Client Name: Morris Associates
Project/Facility Name: Town of Poughkeepsie
Sample Location: RSPTE: SP #4
Matrix: Soil
Method: EPA 8270
Moisture %: 13

Sample ID: 10058-12156
Date Collected: 9-21-94
Date Received: 9-21-94
Date Extracted: 9-22-94
Date Analyzed: 9-30-94
Date Reported: 10-14-94
Dilution Factor: 1

COMPOUND	Detection Limit (ug/kg) as dry wt.	Sample Conc. (ug/kg) as dry wt.	Q
Phenol	379		U
bis(2-Chloroethyl) ether	379		U
2-Chlorophenol	379		U
1,3-Dichlorobenzene	379		U
1,4-Dichlorobenzene	379		U
Benzyl alcohol	759		U
1,2-Dichlorobenzene	379		U
1,2-Diphenylhydrazine	379		U
2-Methylphenol	379		U
bis(2-Chloroisopropyl) ether	379		U
N-Nitrosodimethylamine	379		U
4-Methylphenol	379		U
N-Nitroso-di-n-propylamine	379		U
Hexachloroethane	379		U
Nitrobenzene	379		U
Isophorone	379		U
2-Nitrophenol	379		U
2,4-Dimethylphenol	379		U
Benzoic acid	1897		U
bis(2-Chloroethoxy) methane	379		U
2,4-Dichlorophenol	379		U
1,2,4-Trichlorobenzene	379		U
Naphthalene	379		U
4-Chloroaniline	759		U
Hexachlorobutadiene	379		U
4-Chloro-3-methylphenol	379		U
2-Methylnaphthalene	379		U
Hexachlorocyclopentadiene	379		U
2,4,6-Trichlorophenol	379		U
2,4,5-Trichlorophenol	379		U
2-Chloronaphthalene	379		U
2-Nitroaniline	1897		U
Dimethylphthalate	379		U
Acenaphthylene	379		U
2,6-Dinitrotoluene	379		U
3-Nitroaniline	1897		U
Acenaphthene	379		U
2,4-Dinitrophenol	1897		U
4-Nitrophenol	379		U
2,4-Dinitrotoluene	379		U
Diethylphthalate	379		U
4-Chlorophenyl-phenylether	379		U
Fluorene	379		U
4-Nitroaniline	1897		U
4,6-Dinitro-2-methylphenol	1897		U
N-Nitrosodiphenylamine (1)	379		U
4-Bromophenyl-phenylether	379		U
Hexachlorobenzene	379		U
Pentachlorophenol	1897		U
Phenanthrene	379		U
Anthracene	379		U
Di-n-butylphthalate	379		U
Fluoranthene	379		U
Pyrene	379		U
Butylbenzylphthalate	379		U
3,3'-Dichlorobenzidine	759		U
Benzo(a)anthracene	379		U
Chrysene	379		U
bis(2-Ethylhexyl) phthalate	379		U
Di-n-octylphthalate	379		U
Benzo(b)fluoranthene	379		U
Benzo(k)fluoranthene	379		U
Benzo(a)pyrene	379		U
Indeno(1,2,3-cd)pyrene	379		U
Dibenz(a,h)anthracene	379		U
Benzo(g,h,i)perylene	379		U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
BASE/NEUTRAL/ACID EXTRACTABLE COMPOUNDS

Laboratory Name: CAMO Laboratories, Inc.
Client Name: Morris Associates
Project/Facility Name: Town of Poughkeepsie
Sample Location: RSPTR: SP #11
Matrix: Soil
Method: EPA 8270
Moisture %: 8

Sample ID: 10058-12158
Date Collected: 9-21-94
Date Received: 9-21-94
Date Extracted: 9-22-94
Date Analyzed: 10-11, 10-12-94
Date Reported: 10-14-94
Dilution Factor: 1

COMPOUND	Detection Limit (ug/kg) as dry wt.	Sample Conc. (ug/kg) as dry wt.	Q
Phenol	359		U
bis(2-Chloroethyl) ether	359		U
2-Chlorophenol	359		U
1,3-Dichlorobenzene	359		U
1,4-Dichlorobenzene	359		U
Benzyl alcohol	717		U
1,2-Dichlorobenzene	359		U
1,2-Diphenylhydrazine	359		U
2-Methylphenol	359		U
bis(2-Chloroisopropyl) ether	359		U
N-Nitrosodimethylamine	359		U
4-Methylphenol	359		U
N-Nitroso-di-n-propylamine	359		U
Hexachloroethane	359		U
Nitrobenzene	359		U
Isophorone	359		U
2-Nitrophenol	359		U
2,4-Dimethylphenol	359		U
Benzoic acid	1793		U
bis(2-Chloroethoxy) methane	359		U
2,4-Dichlorophenol	359		U
1,2,4-Trichlorobenzene	359		U
Naphthalene	359		U
4-Chloroaniline	717		U
Hexachlorobutadiene	359		U
4-Chloro-3-methylphenol	359		U
2-Methylnaphthalene	359		U
Hexachlorocyclopentadiene	359		U
2,4,6-Trichlorophenol	359		U
2,4,5-Trichlorophenol	359		U
2-Chloronaphthalene	359		U
2-Nitroaniline	1793		U
Dimethylphthalate	359		U
Acenaphthylene	359		U

COMPOUND	Detection Limit (ug/kg) as dry wt.	Sample Conc. (ug/kg) as dry wt.	Q
2,6-Dinitrotoluene	359		U
3-Nitroaniline	1793		U
Acenaphthene	359		U
2,4-Dinitrophenol	1793		U
4-Nitrophenol	359		U
2,4-Dinitrotoluene	359		U
Diethylphthalate	359		U
4-Chlorophenyl-phenylether	359		U
Fluorene	359		U
4-Nitroaniline	1793		U
4,6-Dinitro-2-methylphenol	1793		U
N-Nitrosodiphenylamine (1)	359		U
4-Bromophenyl-phenylether	359		U
Hexachlorobenzene	359		U
Pentachlorophenol	1793		U
Phenanthrene	359	230	J
Anthracene	359		U
Di-n-butylphthalate	359		U
Fluoranthene	359	210	J
Pyrene	359		U
Butylbenzylphthalate	359		U
3,3'-Dichlorobenzidine	717		U
Benzo(a)anthracene	359		U
Chrysene	359		U
bis(2-Ethylhexyl) phthalate	359		U
Di-n-octylphthalate	359		U
Benzo(b)fluoranthene	359		U
Benzo(k)fluoranthene	359		U
Benzo(a)pyrene	359		U
Indeno(1,2,3-cd)pyrene	359		U
Dibenz(a,h)anthracene	359		U
Benzo(g,h,i)perylene	359		U

CAMO LABORATORIES

A DIVISION OF CAMO POLLUTION CONTROL, INC.

POUGHKEEPSIE AREA FACILITY:
CAMO LABORATORY
367 VIOLET AVENUE
POUGHKEEPSIE, N.Y. 12601
(914) 473-9200

CHAIN OF CUSTODY

CLIENT: MA / Town of Poughkeepsie

SAMPLER: Susan E. Morris

SAMPLE NO./ID	LOCATION/CONTAINER	DATE	TIME	SAMPLE TYPE	COMP	GRAB	No. of CONT.	ANALYSIS REQUIRED
'2365	Espie: SP#4	9/21/94	9:47 AM	soil		X	1	8240
32164	Espie: SP#4	9/21/94	9:48 AM	soil		X	1	8270
. 2361	" SP#5	"	10:40	"		X	1	8240
32163	ESPIE SP#11	9/21	12:10 pm	"		X	1	8270
12366	ESPIE SP#11	9/21	12:11	"		X	1	8240
12367	Espie SP#12	"	1:45 pm	"		X	1	8240
.2363	Espie SP#15	"	2:42 pm	"		X	1	8240
12359	ESPIE SP#16	"	3:10	"		X	1	8240

Relinquished by:		Received by:	Date / Time
Relinquished:		Received by:	Date / Time
Dispatched by:	Date / Time	Received for Laboratory by: Myra Prud	9/21/94 16:30

Method of Shipment:

Comments:

CAMO Containers ☐

CAMO LABORATORIES, INC
367 VIOLET AVENUE
POUGHKEEPSIE, NEW YORK 12601
(914) 473-9200
FED. I.D. #14-1725654

Morris Associates
367 Violet Ave.
Poughkeepsie, NY 12601

Facility: ESPIE Property

Date of Invoice: 10-19-94
P.O. #:
Typed by: mbb
Invoice #: 94-09-10154

Analytical Report

Date Samples Collected: 9-27-94
Date Samples Received: 9-27-94
Samples Collected By: Client
Samples Delivered By: Client
Matrix: Soil

Sample Identification

(12445) SPA (TP17)
(12446) SPD (TP20)
(12447) SPE (TP21)
(12448) SPF (TP22)

Parameters	Unit/ Measure	(12445)	(12446)	(12447)	(12448)
Method 8240*		**	**	**	**
Method 8270		**			
% Solids	%	74.5	90.6	91.6	63.2

Analysis Comments: * Subcontracted to NYS ELAP # 11296

** See attached tables.

Comments: All samples will be discarded after twenty-one (21) days or EPA Holding time, whichever is shorter, unless we are notified otherwise.

Hazardous waste samples will be returned to client.

Analytical Methods: All analytical methods comply with those specified in APHA "Standard Methods" and/or EPA approved methods.

Laboratory Director J. F. Eisenhardt
John F. Eisenhardt

NYS LAB ID NO.: 10310 NJ LAB ID NO.: 73841 CT LAB ID NO.: PH-0593

VOLATILE ORGANICS ANALYSIS DATA SHEET

Laboratory Name: CAMO Laboratories, Inc.
Client Name: Morris Associates
Project/Facility Name: ESPTE Property
Sample Location: SPA
Matrix: Soil
Method: EPA 8240

Sample ID: 10154-12445
Date Collected: 9-27-94
Date Received: 9-27-94
Date Analyzed: 10-8-94
Date Reported: 10-19-94

% Moisture: 25

Dilution Factor: 2

COMPOUND	Detection Limit (ug/kg) as dry wt	Sample Conc. (ug/kg) as dry wt	Q	
Chloromethane	26.67		U	
Bromomethane	26.67		U	
Vinyl Chloride	26.67		U	
Chloroethane	26.67		U	
Methylene Chloride	13.33		U	
Acetone	26.67	140		
Carbon Disulfide	13.33		U	
1,1-Dichloroethene	13.33		U	
1,1-Dichloroethane	13.33		U	
1,2-Dichloroethene (Total)	13.33		U	
Chloroform	13.33		U	
1,2-Dichloroethane	13.33		U	
2-Chloroethylvinyl Ether	26.67		U	
2-Butanone	26.67	20	(J)	JE
1,1,1-Trichloroethane	13.33		U	
Carbon Tetrachloride	13.33		U	
Vinyl Acetate	26.67		U	
Bromodichloromethane	13.33		U	
1,2-Dichloropropane	13.33		U	
cis-1,3-Dichloropropene	13.33		U	
Trichloroethene	13.33		U	
Dibromochloromethane	13.33		U	
1,1,2-Trichloroethane	13.33		U	
Benzene	13.33		U	
trans-1,3-Dichloropropene	13.33		U	
Bromoform	13.33		U	
4-Methyl-2-Pentanone	26.67		U	
2-Hexanone	26.67		U	
Tetrachloroethene	13.33		U	
1,1,2,2-Tetrachlorethane	13.33		U	
Toluene	13.33		U	
Chlorobenzene	13.33		U	
Ethylbenzene	13.33		U	
Styrene	13.33		U	
p&m-Xylenes	13.33	40	U	
O-Xylenes	0.00		U	

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
BASE/NEUTRAL/ACID EXTRACTABLE COMPOUNDS

Laboratory Name: CAMO Laboratories. Inc.
Client Name: Morris Associates
Project/Facility Name: RSPIE Property
Sample Location: SPA
Matrix: Soil
Method: EPA 8270
Moisture %: 25

Sample ID: 10154-12445
Date Collected: 9-27-94
Date Received: 9-27-94
Date Extracted: 9-27-94
Date Analyzed: 10-11-94
Date Reported: 10-19-94
Dilution Factor: 1

COMPOUND	Detection Limit (ug/kg) as dry wt.	Sample Conc. (ug/kg) as dry wt.	Q
henol	440		U
bis(2-Chloroethyl) ether	440		U
2-Chlorophenol	440		U
,3-Dichlorobenzene	440		U
,4-Dichlorobenzene	440		U
Benzyl alcohol	880		U
,2-Dichlorobenzene	440		U
,2-Diphenylhydrazine	440		U
2-Methylphenol	440		U
bis(2-Chloroisopropyl) ether	440		U
-Nitrosodimethylamine	440		U
4-Methylphenol	440		U
N-Nitroso-di-n-propylamine	440		U
exachloroethane	440		U
itrobenzene	440		U
Isophorone	440		U
-Nitrophenol	440		U
,4-Dimethylphenol	440		U
Benzoic acid	2200		U
bis(2-Chloroethoxy) methane	440		U
,4-Dichlorophenol	440		U
,2,4-Trichlorobenzene	440		U
Naphthalene	440		U
-Chloroaniline	880		U
Hexachlorobutadiene	440		U
4-Chloro-3-methylphenol	440		U
-Methylnaphthalene	440		U
Hexachlorocyclopentadiene	440		U
2,4,6-Trichlorophenol	440		U
2,4,5-Trichlorophenol	440		U
-Chloronaphthalene	440		U
-Nitroaniline	2200		U
Dimethylphthalate	440		U
Acenapthtylene	440		U

COMPOUND	Detection Limit (ug/kg) as dry wt.	Sample Conc. (ug/kg) as dry wt.	Q
2,6-Dinitrotoluene	440		U
3-Nitroaniline	2200		U
Ancenaphthene	440		U
2,4-Dinitrophenol	2200		U
4-Nitrophenol	440		U
2,4-Dinitrotoluene	440		U
Diethylphthalate	440		U
4-Chlorophenyl-phenylether	440		U
Fluorene	440		U
4-Nitroaniline	2200		U
4,6-Dinitro-2-methylphenol	2200		U
N-Nitrosodiphenylamine (1)	440		U
4-Bromophenyl-phenylether	440		U
Hexachlorobenzene	440		U
Pentachlorophenol	2200		U
Phenanthrene	440		U
Anthracene	440		U
Di-n-butylphthalate	440		U
Fluoranthene	440		U
Pyrene	440		U
Butylbenzylphthalate	440		U
3,3'-Dichlorobenzidine	880		U
Benzo(a)anthracene	440		U
Chrysene	440		U
bis(2-Ethylhexyl) phthalate	440		U
Di-n-octylphthalate	440		U
Benzo(b)fluoranthene	440		U
Benzo(k)fluoranthene	440		U
Benzo(a)pyrene	440		U
Indeno(1,2,3-cd)pyrene	440		U
Dibenz(a,h)anthracene	440		U
Benzo(g,h,i)perylene	440		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

Laboratory Name: CAMO Laboratories, Inc.
Client Name: Morris Associates
Project/Facility Name: ESPTE Property
Sample Location: SPD
Matrix: Soil
Method: EPA 8240

% Moisture: 9

Sample ID: 10154-12446
Date Collected: 9-27-94
Date Received: 9-27-94
Date Analyzed: 10-8-94

Date Reported: 10-19-94

Dilution Factor: 2

COMPOUND	Detection Limit (ug/kg) as dry wt	Sample Conc. (ug/kg) as dry wt	Q
Chloromethane	21.98		U
Bromomethane	21.98		U
Vinyl Chloride	21.98		U
Chloroethane	21.98		U
Methylene Chloride	10.99		U
Acetone	21.98		U
Carbon Disulfide	10.99		U
1,1-Dichloroethene	10.99		U
1,1-Dichloroethane	10.99		U
1,2-Dichloroethene (Total)	10.99		U
Chloroform	10.99		U
1,2-Dichloroethane	10.99		U
2-Chloroethylvinyl Ether	21.98		U
2-Butanone	21.98		U
1,1,1-Trichloroethane	10.99		U
Carbon Tetrachloride	10.99		U
Vinyl Acetate	21.98		U
Bromodichloromethane	10.99		U
1,2-Dichloropropane	10.99		U
cis-1,3-Dichloropropene	10.99		U
Trichloroethene	10.99		U
Dibromochloromethane	10.99		U
1,1,2-Trichloroethane	10.99		U
Benzene	10.99		U
trans-1,3-Dichloropropene	10.99		U
Bromoform	10.99		U
4-Methyl-2-Pentanone	21.98		U
2-Hexanone	21.98		U
Tetrachloroethene	10.99		U
1,1,2,2-Tetrachlorethane	10.99		U
Toluene	10.99		U
Chlorobenzene	10.99		U
Ethylbenzene	10.99		U
Styrene	10.99		U
p&m-Xylenes	10.99		U
O-Xylenes	0.00		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

Laboratory Name: CAMO Laboratories, Inc.
Client Name: Morris Associates
Project/Facility Name: ESPTE Property
Sample Location: SPE
Matrix: Soil
Method: EPA 8240

% Moisture: 8

Sample ID: 10154-12447
Date Collected: 9-27-94
Date Received: 9-27-94
Date Analyzed: 10-8-94

Date Reported: 10-19-94

Dilution Factor: 2

COMPOUND	Detection Limit (ug/kg) as dry wt	Sample Conc. (ug/kg) as dry wt	Q
Chloromethane	21.74		U
Bromomethane	21.74		U
Vinyl Chloride	21.74		U
Chloroethane	21.74		U
Methylene Chloride	10.87		U
Acetone	21.74		U
Carbon Disulfide	10.87		U
1,1-Dichloroethene	10.87		U
1,1-Dichloroethane	10.87		U
1,2-Dichloroethene (Total)	10.87		U
Chloroform	10.87		U
1,2-Dichloroethane	10.87		U
2-Chloroethylvinyl Ether	21.74		U
2-Butanone	21.74		U
1,1,1-Trichloroethane	10.87		U
Carbon Tetrachloride	10.87		U
Vinyl Acetate	21.74		U
Bromodichloromethane	10.87		U
1,2-Dichloropropane	10.87		U
cis-1,3-Dichloropropene	10.87		U
Trichloroethene	10.87		U
Dibromochloromethane	10.87		U
1,1,2-Trichloroethane	10.87		U
Benzene	10.87		U
trans-1,3-Dichloropropene	10.87		U
Bromoform	10.87		U
4-Methyl-2-Pentanone	21.74		U
2-Hexanone	21.74		U
Tetrachloroethene	10.87		U
1,1,2,2-Tetrachlorethane	10.87		U
Toluene	10.87		U
Chlorobenzene	10.87		U
Ethylbenzene	10.87		U
Styrene	10.87		U
p&m-Xylenes	10.87		U
O-Xylenes	0.00		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

Laboratory Name: CAMO Laboratories, Inc.
Client Name: Morris Associates
Project/Facility Name: ESPIE Property
Sample Location: SPF
Matrix: Soil
Method: EPA 8240

% Moisture: 37

Sample ID: 10154-12448
Date Collected: 9-27-94
Date Received: 9-27-94
Date Analyzed: 10-10-94

Date Reported: 10-19-94

Dilution Factor: 2

COMPOUND	Detection Limit (ug/kg) as dry wt	Sample Conc. (ug/kg) as dry wt	Q
Chloromethane	31.75		U
Bromomethane	31.75		U
Vinyl Chloride	31.75		U
Chloroethane	31.75		U
Methylene Chloride	15.87		U
Acetone	31.75		U
Carbon Disulfide	15.87		U
1,1-Dichloroethene	15.87		U
1,1-Dichloroethane	15.87		U
1,2-Dichloroethene (Total)	15.87		U
Chloroform	15.87		U
1,2-Dichloroethane	15.87		U
2-Chloroethylvinyl Ether	31.75		U
2-Butanone	31.75		U
1,1,1-Trichloroethane	15.87		U
Carbon Tetrachloride	15.87		U
Vinyl Acetate	31.75		U
Bromodichloromethane	15.87		U
1,2-Dichloropropane	15.87		U
cis-1,3-Dichloropropene	15.87		U
Trichloroethene	15.87		U
Dibromochloromethane	15.87		U
1,1,2-Trichloroethane	15.87		U
Benzene	15.87		U
trans-1,3-Dichloropropene	15.87		U
Bromoform	15.87		U
4-Methyl-2-Pentanone	31.75		U
2-Hexanone	31.75		U
Tetrachloroethene	15.87		U
1,1,2,2-Tetrachlorethane	15.87		U
Toluene	15.87		U
Chlorobenzene	15.87		U
Ethylbenzene	15.87		U
Styrene	15.87		U
p&m-Xylenes	15.87		U
O-Xylenes	0.00		U

VOLATILE ORGANICS ANALYSIS DATA SHEET

Laboratory Name: CAMO Laboratories, Inc.
Client Name: Morris Associates
Project/Facility Name: ESPTE Property
Sample Location: Method Blank
Matrix: Soil
Method: EPA 8240

Sample ID: Method Blank
Date Collected:
Date Received:
Date Analyzed: 10-8-94

Date Reported: 10-19-94

Dilution Factor: 4

COMPOUND	Detection Limit (ug/kg) as dry wt	Sample Conc. (ug/kg) as dry wt	Q	
Chloromethane	40.00		U	
Bromomethane	40.00		U	
Vinyl Chloride	40.00		U	
Chloroethane	40.00		U	
Methylene Chloride	20.00		U	
Acetone	40.00	25	(J)	Y
Carbon Disulfide	20.00		U	
1,1-Dichloroethene	20.00		U	
1,1-Dichloroethane	20.00		U	
1,2-Dichloroethene (Total)	20.00		U	
Chloroform	20.00		U	
1,2-Dichloroethane	20.00		U	
2-Chloroethylvinyl Ether	40.00		U	
2-Butanone	40.00		U	
1,1,1-Trichloroethane	20.00		U	
Carbon Tetrachloride	20.00		U	
Vinyl Acetate	40.00		U	
Bromodichloromethane	20.00		U	
1,2-Dichloropropane	20.00		U	
cis-1,3-Dichloropropene	20.00		U	
Trichloroethene	20.00		U	
Dibromochloromethane	20.00		U	
1,1,2-Trichloroethane	20.00		U	
Benzene	20.00		U	
trans-1,3-Dichloropropene	20.00		U	
Bromoform	20.00		U	
4-Methyl-2-Pentanone	40.00		U	
2-Hexanone	40.00		U	
Tetrachloroethene	20.00		U	
1,1,2,2-Tetrachlorethane	20.00		U	
Toluene	20.00		U	
Chlorobenzene	20.00		U	
Ethylbenzene	20.00		U	
Styrene	20.00		U	
p&m-Xylenes	20.00		U	
O-Xylenes	0.00		U	

CAMO LOG NO.: 94-09-10154

QUALITY CONTROL DATA
SPIKES

PARAMETERS	Sample Conc.	Known Spike	Obtained	% Recovery
Acetone	0.00	0.0	5.46	0
Carbon Disulfide	0.00	0.0	6.08	0
1,1-Dichloroethene	0.00	50.0	77.74	155
1,2-Dichloroethane	0.00	0.0	0.75	0
Trichloroethene	0.00	50.0	66.54	133
Benzene	0.00	50.0	65.79	132
Toluene	0.46	50.0	65.87	132
Chlorobenzene	0.00	50.0	62.27	125

NOTE: All results expressed in ug/L unless noted otherwise.

QUALITY CONTROL DATA
DUPE

PARAMETERS	Sample ID	Test 1	Test2	% RSD
Acetone	41008P09.D	5.46	6.990	25
Carbon Disulfide	41008P09.D	6.08	4.73	25
1,1-Dichlorethene	41008P09.D	77.74	63.82	20
1,2-Dichloroethane	41008P09.D	0.75	0.79	5
Trichloroethene	41008P09.D	66.54	59.50	11
Benzene	41008P09.D	65.79	59.77	10
Toluene	41008P09.D	65.87	58.89	11
Chlorobenzene	41008P09.D	62.27	53.93	14

NOTE: All results expressed in ug/L unless noted otherwise.

CAMO LABORATORIES

A DIVISION OF CAMO POLLUTION CONTROL, INC.

POUGHKEEPSIE AREA FACILITY:
CAMO LABORATORY
367 VIOLET AVENUE
POUGHKEEPSIE, N.Y. 12601
(914) 473-9200

Hours _____

CHAIN OF CUSTODY

CLIENT: Morris Associates / ESPIE Property

SAMPLER: Jen Chmielewski

SAMPLE NO./ID	LOCATION/CONTAINER	DATE	TIME	SAMPLE TYPE	COMP	GRAB	No. of CONT.	ANALYSIS REQUIRED
12360	SPA	9/27	8:53	Soil		X	1	8240
12265	SPA	9/27	8:57	Soil		X	1	8240
123586	SP D	9/27	11:17	Soil		X	1	8240
32161	SP E	9/27	11:56	Soil		X	1	8240
012181	SP F	9/27	1:33	Soil		X	1	8240

Relinquished by: Jennifer Chmielewski	Received by:	Date	Time
Relinquished:	Received by:	Date	Time
Dispatched by: Date Time	Received for Laboratory by: Myra Cruz	Date 9/28/14	Time 14:40

Method of Shipment:

Comments:

CAMO Containers ☐

APPENDIX B

SOILTESTING, INC.

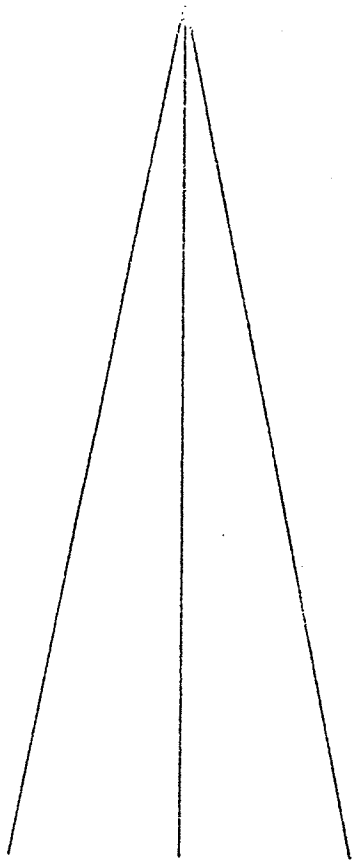
TO ..... Morris Associates ..... DATE August 30,1994

ADDRESS ..... 367 Violet Avenue-Poughkeepsie, New York 12601

SITE LOCATION ..... Espie Property-Route 44-Poughkeepsie, New York

REPORT SENT TO ... Jeff Akins

SAMPLES SENT TO .. Picked up @ site by client



140 Oxford Road
Oxford, Conecticut 06478
203-888-4531

Branch Office:
White Plains, New York 10607
914-946-4850

JOB NO. 3911

SOILTESTING, INC.
140 OXFORD RD.
OXFORD, CT 06478
CT (203) 888-4531
N.Y. (914) 946-4850

FOREMAN - DRILLER: ED/ld
INSPECTOR:

GROUND WATER OBSERVATIONS
AT none FT AFTER 0 HOURS
AT ____ FT AFTER ____ HOURS

CLIENT: Morris Associates
PROJECT NO.: E130-3911-94
PROJECT NAME: Espie Property
LOCATION: Route 44-Poughkeepsie, NY

	CASING	SAMPLER	CORE BAR
TYPE	HSA	SS	
SIZE I.D.	2½"	1 3/8"	
HAMMER WT.		140#	BIT
HAMMER FALL		30"	

SHEET 1 OF 1
HOLE NO. B-1

BORING LOCATIONS: as directed
OFFSET:

DATE START 8-26-94 DATE FIN. 8-26-94
SURFACE ELEV.:
GROUND WATER ELEV.:

DEPTH	CASING BLOWS PER FOOT	SAMPLE NO	SAMPLE TYPE	SAMPLE PEN	SAMPLE REC	SAMPLE DEPTH @ BOT	BLOWS PER 6 IN. ON SAMPLER (FORCE ON TUBE) 0 - 6	6 - 12	12 - 18	CORING TIME PER FT (MIN)	DENSITY OR CONSIST / MOIST	STRATA CHANGE DEPTH / ELEV	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.
													4" TOPSOIL
													Blk/brn SILT, sm wood frags, sm F-C sand, gravel
5												5'0"	
		1	ss	24"	24"	7'0"	4	5			dry stiff		Gry/brn CLAY
							7	8					
		2	ss	24"	24"	12'0"	4	5			moist stiff		SAME
							7	8					
												17'0"	E.O.B.
20													
30													E.O.B. 17'0"

GROUND SURFACE TO ____ FT. USED ____ CASING THEN ____ CASING TO ____ FT
A = AUGER UP = UNDISTURBED PISTON T = THINWALL V = VANE TEST
WOR = WEIGHT OF RODS WOH = WEIGHT OF HAMMER & RODS
SS = SPLIT TUBE SAMPLER H.S.A. = HOLLOW STEM AUGER
PROPORTIONS USED: TRACE = 0 - 10% LITTLE = 10 - 20% SOME = 20 - 35% AND = 35 - 50%
C = COARSE M = MEDIUM F = FINE

HOLE NO. B-1

SOILTESTING, INC.
140 OXFORD RD.
OXFORD, CT 06478
CT (203) 888-4531
N.Y. (914) 946-4850

FOREMAN - DRILLER: ED/ld
INSPECTOR:

GROUND WATER OBSERVATIONS
AT none FT AFTER 0 HOURS
AT ____ FT AFTER ____ HOURS

CLIENT: Morris Associates
PROJECT NO.: E130-3911-94
PROJECT NAME: Espie Property
LOCATION: Route 44-Poughkeepsie, NY

	CASING	SAMPLER	CORE BAR
TYPE	HSA	SS	
SIZE I.D.	2½"	1 3/8"	
HAMMER WT.		140#	BIT
HAMMER FALL		30"	

SHEET 1 OF 1
HOLE NO. B-2

BORING LOCATIONS: as directed
OFFSET:

DATE START 8-26-94 DATE FIN. 8-26-94
SURFACE ELEV.:
GROUND WATER ELEV.:

DEPTH	CASING BLOWS PER FOOT	SAMPLE NO	SAMPLE TYPE	SAMPLE PEN	SAMPLE REC	SAMPLE DEPTH @ BOT	BLOWS PER 6 IN. ON SAMPLER (FORCE ON TUBE) 0 - 6	6 - 12	12 - 18	CORING TIME PER FT (MIN)	DENSITY OR CONSIST / MOIST	STRATA CHANGE DEPTH / ELEV	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.
													4" TOPSOIL
												4'0"	Drk-brn SILT,sm brick,glass & wood frags, lit C-gravel,cobbles (fill)
5												5'0"	Lt-brn SILT,tr F-C gravel
		1	ss	24"	18"	7'0"	5	7			moist v-stiff		Gry/brn CLAY
							9	9					
0		2	ss	24"	24"	12'0"	4	4			moist stiff	12'0"	SAME E.O.B.
							4	4					
.5													
20													
30													
													E.O.B. 12'0"

GROUND SURFACE TO ____ FT. USED ____ CASING THEN ____ CASING TO ____ FT
A = AUGER UP = UNDISTURBED PISTON T = THINWALL V = VANE TEST
WOR = WEIGHT OF RODS WOH = WEIGHT OF HAMMER & RODS
SS = SPLIT TUBE SAMPLER H.S.A. = HOLLOW STEM AUGER
PROPORTIONS USED: TRACE = 0 - 10% LITTLE = 10 - 20% SOME = 20 - 35% AND = 35 - 50%
C = COARSE M = MEDIUM F = FINE

HOLE NO. B-2

SOILTESTING, INC.
140 OXFORD RD.
OXFORD, CT 06478
CT (203) 888-4531
N.Y. (914) 946-4850

FOREMAN - DRILLER: ED/ld
INSPECTOR:

GROUND WATER OBSERVATIONS
AT 10' FT AFTER 0 HOURS
AT ____ FT AFTER ____ HOURS

CLIENT: Morris Associates
PROJECT NO.: E130-3911-94
PROJECT NAME: Espie Property
LOCATION: Route 44-Poughkeepsie, NY

	CASING	SAMPLER	CORE BAR
TYPE	HSA	SS	
SIZE I.D.	2½"	1 3/8"	
HAMMER WT.		140#	BIT
HAMMER FALL		30"	

SHEET 1 OF 1
HOLE NO. B-3

BORING LOCATIONS: as directed

OFFSET:

DATE START 8-26-94 DATE FIN. 8-26-94
SURFACE ELEV.:
GROUND WATER ELEV.:

DEPTH	CASING BLOWS PER FOOT	SAMPLE NO	SAMPLE TYPE	SAMPLE PEN	SAMPLE REC	SAMPLE DEPTH @ BOT	BLOWS PER 6 IN. ON SAMPLER (FORCE ON TUBE) 0 - 6	6 - 12	12 - 18	CORING TIME PER FT (MIN)	DENSITY OR CONSIST MOIST	STRATA CHANGE DEPTH ELEV	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.
													8" TOPSOIL
											moist		Brn SILTY CLAY
5		1	ss	24"	24"	7'0"	3	5			moist	6'0"	
							5	6			stiff		Brn CLAY
10		2	ss	24"	24"	12'0"	2	2				10'0"	
							1	2			wet soft	12'0"	Gry SILTY CLAY E.O.B.
15													
20													
25													
30													
35													E.O.B. 12'0"

GROUND SURFACE TO ____ FT. USED ____ CASING THEN ____ CASING TO ____ FT
A = AUGER UP = UNDISTURBED PISTON T = THINWALL V = VANE TEST
WOR = WEIGHT OF RODS WOH = WEIGHT OF HAMMER & RODS
SS = SPLIT TUBE SAMPLER H.S.A. = HOLLOW STEM AUGER
PROPORTIONS USED: TRACE = 0 - 10% LITTLE = 10 - 20% SOME = 20 - 35% AND = 35 - 50%
C = COARSE M = MEDIUM F = FINE

HOLE NO. B-3

SOILTESTING, INC.
140 OXFORD RD.
OXFORD, CT 06478
CT (203) 888-4531
N.Y. (914) 946-4850

FOREMAN - DRILLER: ED/ld

INSPECTOR:

GROUND WATER OBSERVATIONS
AT 7' FT AFTER 0 HOURS
AT ____ FT AFTER ____ HOURS

CLIENT: Morris Associates

PROJECT NO.: E130-3911-94

PROJECT NAME: Espie Property

LOCATION: Route 44-Poughkeepsie, NY

	CASING	SAMPLER	CORE BAR
TYPE	HSA	SS	
SIZE I.D.	2½"	1 3/8"	
HAMMER WT.		140#	BIT
HAMMER FALL		30"	

SHEET 1 OF 1
HOLE NO. B-4

BORING LOCATIONS: as directed

OFFSET:

DATE START 8-26-94 DATE FIN. 8-26-94
SURFACE ELEV.:
GROUND WATER ELEV.:

DEPTH	CASING BLOWS PER FOOT	SAMPLE NO	SAMPLE TYPE	SAMPLE PEN	SAMPLE REC	SAMPLE DEPTH @ BOT	BLOWS PER 6 IN. ON SAMPLER (FORCE ON TUBE) 0 - 6	6 - 12	12 - 18	CORING TIME PER FT (MIN)	DENSITY OR CONSIST / MOIST	STRATA CHANGE DEPTH / ELEV	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.
											moist		CRUSHED SHALE
													Brn F-C SAND & GRAVEL, sm silt
5												5'0"	
		1	SS	24"	8"	7'0"	4	3			wet loose		Brn F-C GRAVEL, sm silt, lit F-C sand
							3	1					
10												10'0"	
		2	SS	24"	4"	12'0"	5	7			wet		COBBLES & F-C GRAVEL, lit silty clay
							8	5					
		3	SS	24"	3"	14'0"	10	7					
							4	3				14'0"	E.O.B.
15													
20													
25													
30													
35													E.O.B. 14'0"

GROUND SURFACE TO ____ FT. USED ____ CASING THEN ____ CASING TO ____ FT

HOLE NO. B-4

A = AUGER UP = UNDISTURBED PISTON T = THINWALL V = VANE TEST
WOR = WEIGHT OF RODS WOH = WEIGHT OF HAMMER & RODS
SS = SPLIT TUBE SAMPLER H.S.A. = HOLLOW STEM AUGER
C = COARSE
M = MEDIUM
PROPORTIONS USED: TRACE = 0 - 10% LITTLE = 10 - 20% SOME = 20 - 35% AND = 35 - 50% F = FINE

SOILTESTING, INC.
140 OXFORD RD.
OXFORD, CT 06478
CT (203) 888-4531
N.Y. (914) 946-4850

FOREMAN - DRILLER: ED/ld
INSPECTOR:

GROUND WATER OBSERVATIONS
AT 9' FT AFTER 0 HOURS
AT ____ FT AFTER ____ HOURS

CLIENT: Morris Associates
PROJECT NO.: E130-3911-94
PROJECT NAME: Espie Property
LOCATION: Route 44-Poughkeepsie, NY

	CASING	SAMPLER	CORE BAR
TYPE	HSA	SS	
SIZE I.D.	2½"	1 3/8"	
HAMMER WT.		140#	BIT
HAMMER FALL		30"	

SHEET 1 OF 1
HOLE NO. B-5

BORING LOCATIONS: as directed

OFFSET:

DATE START 8-26-94 DATE FIN. 8-26-94
SURFACE ELEV.:
GROUND WATER ELEV.:

DEPTH	CASING BLOWS PER FOOT	SAMPLE NO	SAMPLE TYPE	SAMPLE PEN	SAMPLE REC	SAMPLE DEPTH @ BOT	BLOWS PER 6 IN. ON SAMPLER (FORCE ON TUBE) 0 - 6	6 - 12	12 - 18	CORING TIME PER FT (MIN)	DENSITY OR CONSIST / MOIST	STRATA CHANGE DEPTH / ELEV	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.
													8" TOPSOIL
5		1	ss	24"	12"	7'0"	12	11			moist compact		Gry/brn F-C SAND & GRAVEL, lit silt
							9	7					
10		2	ss	24"	24"	12'0"	5	4				10'0"	
							3	3			wet loose	12'0"	Gry F-M SAND E.O.B.
5													
20													
35													E.O.B. 12'0"

GROUND SURFACE TO ____ FT. USED ____ CASING THEN ____ CASING TO ____ FT
A = AUGER UP = UNDISTURBED PISTON T = THINWALL V = VANE TEST
WOR = WEIGHT OF RODS WOH = WEIGHT OF HAMMER & RODS
SS = SPLIT TUBE SAMPLER H.S.A. = HOLLOW STEM AUGER
PROPORTIONS USED: TRACE = 0 - 10% LITTLE = 10 - 20% SOME = 20 - 35% AND = 35 - 50%
C = COARSE M = MEDIUM F = FINE

HOLE NO. B-5

SOILTESTING, INC.
140 OXFORD RD.
OXFORD, CT 06478
CT (203) 888-4531
N.Y. (914) 946-4850

FOREMAN - DRILLER: ED/ld
INSPECTOR:

GROUND WATER OBSERVATIONS
AT none FT AFTER 0 HOURS
AT ____ FT AFTER ____ HOURS

CLIENT: Morris Associates
PROJECT NO.: E130-3911-94
PROJECT NAME: Espie Property
LOCATION: Route 44-Poughkeepsie, NY

	CASING	SAMPLER	CORE BAR
TYPE	HSA	SS	
SIZE I.D.	2½"	1 3/8"	
HAMMER WT.		140#	BIT
HAMMER FALL		30"	

SHEET 1 OF 1
HOLE NO. B-6

BORING LOCATIONS: as directed

OFFSET:

DATE START 8-26-94 DATE FIN. 8-26-94
SURFACE ELEV.:
GROUND WATER ELEV.:

DEPTH	CASING BLOWS PER FOOT	SAMPLE NO	SAMPLE TYPE	SAMPLE PEN	SAMPLE REC	SAMPLE DEPTH @ BOT	BLOWS PER 6 IN. ON SAMPLER (FORCE ON TUBE) 0 - 6	6 - 12	12 - 18	CORING TIME PER FT (MIN)	DENSITY OR CONSIST / MOIST	STRATA CHANGE DEPTH / ELEV	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.
											moist	3'0"	8" TOPSOIL Brn F-C SAND & GRAVEL, sm silt
5											moist	5'0"	Gry SILT, sm wood, plastic, wire, concrete AUGER REFUSAL E.O.B.
0													
5													
20													
5													
30													
35													E.O.B. 5'0"

GROUND SURFACE TO ____ FT. USED ____ CASING THEN ____ CASING TO ____ FT
A = AUGER UP = UNDISTURBED PISTON T = THINWALL V = VANE TEST
WOR = WEIGHT OF RODS WOH = WEIGHT OF HAMMER & RODS
SS = SPLIT TUBE SAMPLER H.S.A. = HOLLOW STEM AUGER
PROPORTIONS USED: TRACE = 0 - 10% LITTLE = 10 - 20% SOME = 20 - 35% AND = 35 - 50%
C = COARSE M = MEDIUM F = FINE

HOLE NO. B-6

SOILTESTING, INC.
140 OXFORD RD.
OXFORD, CT 06478
CT (203) 888-4531
N.Y. (914) 946-4850

FOREMAN - DRILLER: ED/ld
INSPECTOR:

GROUND WATER OBSERVATIONS
AT none FT AFTER 0 HOURS
AT ____ FT AFTER ____ HOURS

CLIENT: Morris Associates
PROJECT NO.: E130-3911-94
PROJECT NAME: Espie Property
LOCATION: Route 44-Poughkeepsie, NY

	CASING	SAMPLER	CORE BAR
TYPE	HSA	SS	
SIZE I.D.	2½"	1 3/8"	
HAMMER WT.		140#	BIT
HAMMER FALL		30"	

SHEET 1 OF 1
HOLE NO. B-7
BORING LOCATIONS: as directed
OFFSET:
DATE START 8-26-94 DATE FIN. 8-26-94
SURFACE ELEV.:
GROUND WATER ELEV.:

DEPTH	CASING BLOWS PER FOOT	SAMPLE NO	SAMPLE TYPE	SAMPLE PEN	SAMPLE REC	SAMPLE DEPTH @ BOT	BLOWS PER 6 IN. ON SAMPLER (FORCE ON TUBE) 0 - 6	6 - 12	12 - 18	CORING TIME PER FT (MIN)	DENSITY OR CONSIST MOIST	STRATA CHANGE DEPTH ELEV	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.
											dry		Brn F-C GRAVEL, lit F-C sand, tr silt
												3'0"	AUGER REFUSAL E.O.B.
5													
0													
5													
20													
30													E.O.B. 3'0"

GROUND SURFACE TO ____ FT. USED ____ CASING THEN ____ CASING TO ____ FT
A = AUGER UP = UNDISTURBED PISTON T = THINWALL V = VANE TEST
WOR = WEIGHT OF RODS WOH = WEIGHT OF HAMMER & RODS
SS = SPLIT TUBE SAMPLER H.S.A. = HOLLOW STEM AUGER
PROPORTIONS USED: TRACE = 0 - 10% LITTLE = 10 - 20% SOME = 20 - 35% AND = 35 - 50%
C = COARSE M = MEDIUM F = FINE

HOLE NO. B-7

SOILTESTING, INC.
140 OXFORD RD.
OXFORD, CT 06478
CT (203) 888-4531
N.Y. (914) 946-4850

FOREMAN - DRILLER: ED/ld
INSPECTOR:

GROUND WATER OBSERVATIONS
AT none FT AFTER 0 HOURS
AT ____ FT AFTER ____ HOURS

CLIENT: Morris Associates
PROJECT NO.: E130-3911-94
PROJECT NAME: Espie Property
LOCATION: Route 44-Poughkeepsie, NY

	CASING	SAMPLER	CORE BAR
TYPE	HSA	SS	
SIZE I.D.	2½"	1 3/8"	
HAMMER WT.		140#	BIT
HAMMER FALL		30"	

SHEET 1 OF 1
HOLE NO. B-8

BORING LOCATIONS: as directed
OFFSET:

DATE START 8-26-94 DATE FIN. 8-26-94
SURFACE ELEV.:
GROUND WATER ELEV.:

DEPTH	CASING BLOWS PER FOOT	SAMPLE NO	SAMPLE TYPE	SAMPLE PEN	SAMPLE REC	SAMPLE DEPTH @ BOT	BLOWS PER 6 IN. ON SAMPLER (FORCE ON TUBE) 0 - 6	6 - 12	12 - 18	CORING TIME PER FT (MIN)	DENSITY OR CONSIST / MOIST	STRATA CHANGE DEPTH / ELEV	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.
											dry	1'0"	Brn F-C SAND & GRAVEL, lit silt AUGER REFUSAL-BEDROCK E.O.B.
5													
0													
5													
20													
5													
30													
35													E.O.B. 1'0"

GROUND SURFACE TO ____ FT. USED ____ CASING THEN ____ CASING TO ____ FT
A = AUGER UP = UNDISTURBED PISTON T = THINWALL V = VANE TEST
WOR = WEIGHT OF RODS WOH = WEIGHT OF HAMMER & RODS
SS = SPLIT TUBE SAMPLER H.S.A. = HOLLOW STEM AUGER
PROPORTIONS USED: TRACE = 0 - 10% LITTLE = 10 - 20% SOME = 20 - 35% AND = 35 - 50%
C = COARSE M = MEDIUM F = FINE

HOLE NO. B-8

SOILTESTING, INC.
140 OXFORD RD.
OXFORD, CT 06478
CT (203) 888-4531
N.Y. (914) 946-4850

FOREMAN - DRILLER: ED/ld

INSPECTOR:

GROUND WATER OBSERVATIONS
AT none FT AFTER 0 HOURS
AT ____ FT AFTER ____ HOURS

CLIENT: Morris Associates

PROJECT NO.: E130-3911-94

PROJECT NAME: Espie Property

LOCATION: Route 44-Poughkeepsie, NY

	CASING	SAMPLER	CORE BAR
TYPE	HSA	SS	
SIZE I.D.	2½"	1 3/8"	
HAMMER WT.		140#	BIT
HAMMER FALL		30"	

SHEET 1 OF 1
HOLE NO. B-9

BORING LOCATIONS: as directed

OFFSET:

DATE START 8-26-94 DATE FIN. 8-26-94
SURFACE ELEV.:
GROUND WATER ELEV.:

DEPTH	CASING BLOWS PER FOOT	SAMPLE NO	SAMPLE TYPE	SAMPLE PEN	SAMPLE REC	SAMPLE DEPTH @ BOT	BLOWS PER 6 IN. ON SAMPLER (FORCE ON TUBE) 0 - 6	6 - 12	12 - 18	CORING TIME PER FT (MIN)	DENSITY OR CONSIST MOIST	STRATA CHANGE DEPTH ELEV	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.
											moist		Brn F-C SAND & GRAVEL, lit silt
												3'6"	AUGER REFUSAL-POSSIBLE BEDROCK E.O.B.
5													
10													
15													
20													
5													
30													
35													E.O.B. 3'6"

GROUND SURFACE TO ____ FT. USED ____ CASING THEN ____ CASING TO ____ FT

A = AUGER UP = UNDISTURBED PISTON T = THINWALL V = VANE TEST
WOR = WEIGHT OF RODS WOH = WEIGHT OF HAMMER & RODS
SS = SPLIT TUBE SAMPLER H.S.A. = HOLLOW STEM AUGER
PROPORTIONS USED: TRACE = 0 - 10% LITTLE = 10 - 20% SOME = 20 - 35% AND = 35 - 50%
C = COARSE M = MEDIUM F = FINE

HOLE NO. B-9

SOILTESTING, INC.
140 OXFORD RD.
OXFORD, CT 06478
CT (203) 888-4531
N.Y. (914) 946-4850

FOREMAN - DRILLER: ED/ld
INSPECTOR:

GROUND WATER OBSERVATIONS
AT 14' FT AFTER 0 HOURS
AT ____ FT AFTER ____ HOURS

CLIENT: Morris Associates
PROJECT NO.: E130-3911-94
PROJECT NAME: Espie Property
LOCATION: Route 44-Poughkeepsie, NY

	CASING	SAMPLER	CORE BAR
TYPE	HSA	SS	
SIZE I.D.	2½"	1 3/8"	
HAMMER WT.		140#	BIT
HAMMER FALL		30"	

SHEET 1 OF 1
HOLE NO. B-10

BORING LOCATIONS: as directed

OFFSET:

DATE START 8-26-94 DATE FIN. 8-26-94
SURFACE ELEV.:
GROUND WATER ELEV.:

DEPTH	CASING BLOWS PER FOOT	SAMPLE NO	TYPE	PEN	REC	DEPTH @ BOT	BLOWS PER 6 IN. ON SAMPLER (FORCE ON TUBE) 0-6	6-12	12-18	CORING TIME PER FT (MIN)	DENSITY OR CONSIST / MOIST	STRATA CHANGE DEPTH / ELEV	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.
											moist		Brn SILT & CLAY, lit F-C sand & gravel
5												5'0"	
		1	ss	24"	12"	7'0"	4	5			moist		Gry/brn CLAY
							5	7			stiff		
0		2	ss	24"	24"	12'0"	2	3			dry		SAME
							3	4			medium		
5												15'0"	
		3	ss	24"	24"	17'0"	2	1			wet		Gry CLAY
							2	2			soft	17'0"	E.O.B.
20													
30													E.O.B. 17'0"

GROUND SURFACE TO ____ FT. USED ____ CASING THEN ____ CASING TO ____ FT
A = AUGER UP = UNDISTURBED PISTON T = THINWALL V = VANE TEST
WOR = WEIGHT OF RODS WOH = WEIGHT OF HAMMER & RODS
SS = SPLIT TUBE SAMPLER H.S.A. = HOLLOW STEM AUGER
PROPORTIONS USED: TRACE = 0 - 10% LITTLE = 10 - 20% SOME = 20 - 35% AND = 35 - 50%
C = COARSE M = MEDIUM F = FINE

HOLE NO. B-10

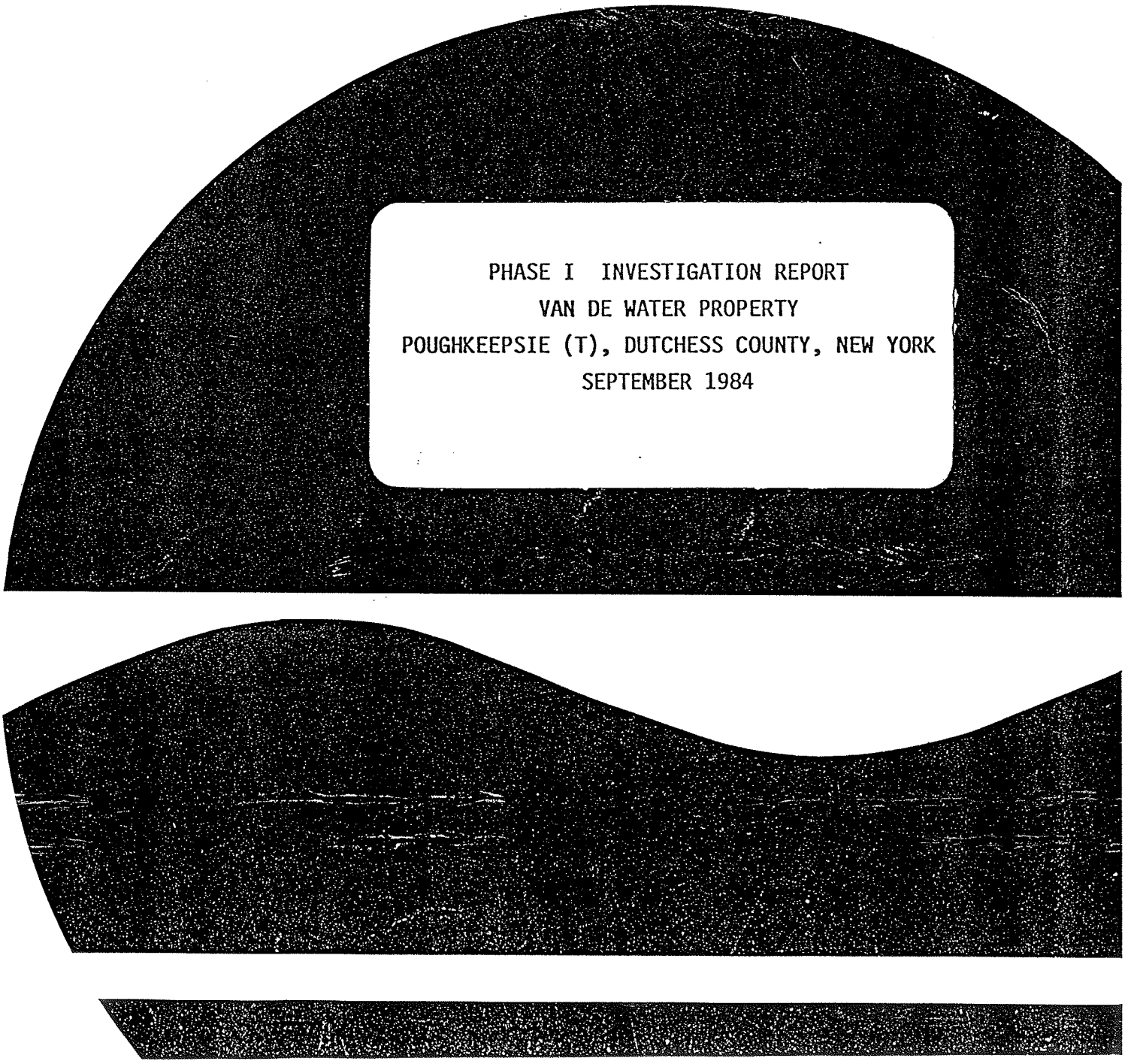
APPENDIX C

31407D

New York State
Department of Environmental Conservation

Engineering Investigations and Evaluations of Inactive Hazardous Waste Disposal Sites— Superfund Program

WEHRAN ENGINEERING, P.C.
CDM CAMP DRESSER & McKEE



PHASE I INVESTIGATION REPORT
VAN DE WATER PROPERTY
POUGHKEEPSIE (T), DUTCHESS COUNTY, NEW YORK
SEPTEMBER 1984

WEHRAN
ENGINEERING
Consulting Engineers

September 24, 1984

Mr. Norman H. Nosenchuck, P. E.
Director, Division of Solid Waste
New York State Department of
Environmental Conservation
50 Wolf Road
Albany, NY 12233

Re: NYSDEC Superfund Program - Phase I
Van de Water Property
Dutchess County, New York
Site I.D. No. 314040

Dear Mr. Nosenchuck:

We are pleased to submit the results of the Phase I Investigation for the above-referenced site. We have enclosed ten copies of the Phase I report, which has been prepared in accordance with our contract requirements.

This project can be briefly summarized as follows:

Description

Inactive Municipal Landfill Site
Size - 100 Acres

HRS Score

Phase I Data Insufficient for a Final Score

Preliminary Score Sm = 1.73
Direct Contact Score S_{DC} = 4.1

The Sm score is low because of the unknown waste type.

Recommendation For Phase II

A Phase II investigation is required to finalize the HRS score and prepare a preliminary cost range estimate for site remediation. The recommended Phase II Work Plan includes the following tasks: hydrogeologic investigation; surface water investigation; laboratory analysis; preliminary remedial cost estimate; and preparation of Phase II report.

Phase II Estimated Cost - $ 53,560

Research & Design Center:
666 East Main Street
Middletown, NY 10940
(914) 343-0660

A portion of the 44-Plaza Shopping Center may be underlain by refuse, as leachate odors have been reported in some of the stores. It is recommended that this situation receive immediate attention by implementing Task 3 of the proposed Phase II Work Plan.

We trust that the results of this Phase I investigation will assist you in further characterizing the site relative to the need for possible additional action.

Very truly yours,

WEHRAN ENGINEERING, P. C.

Kevin M. Burger
Project Manager

Dennis G. Fenn, P. E.
Senior Vice-President

TFC/DGF/jmw
Enclosure

TABLE OF CONTENTS

1.0 BRIEF DESCRIPTION OF SITE

Van de Water Property
Poughkeepsie (T),
Dutchess County, New York

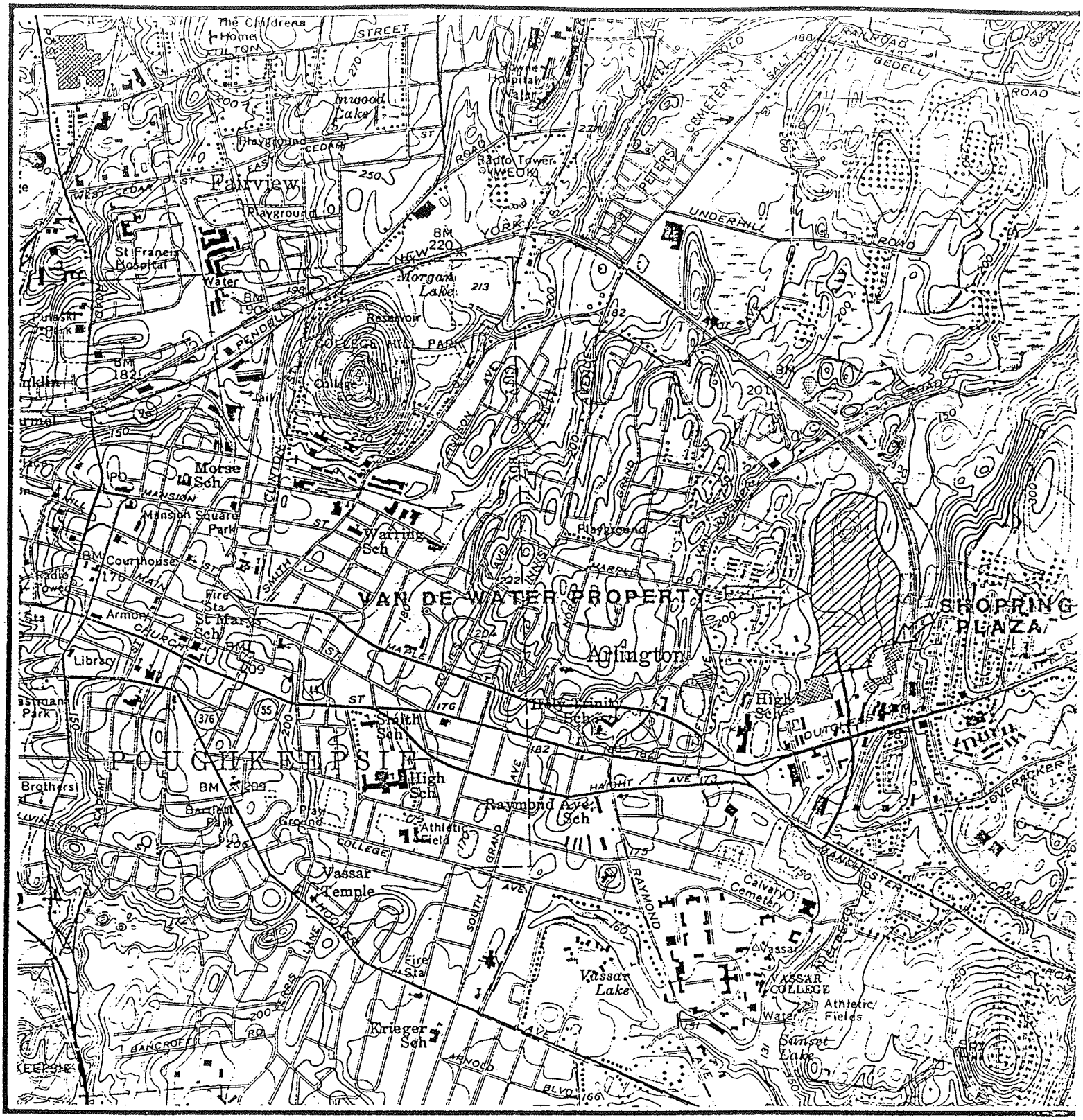
The Van de Water property is an approximately 100-acre inactive landfill located 3/4 of a mile east of the city of Poughkeepsie and immediately north of the 44 Plaza Shopping Center. The site is primarily flat with good vegetative cover and no obvious signs of waste deposition. Several buidlings in the immediate vicinity include portions of the 44 Plaza (K-Mart and Caldors), Roe Movers and radio station WKIP. The parking lots of K-Mart and Caldor stores are very uneven and are allegedly underlain by previously deposited wastes.

Two small streams, the east and west branches of Casper Creek, form the east, west, and southern boundaries of the site and were observed to be highly discolored. Although the majority of the residents of both the city and town of Poughkeepsie are serviced by off-site municipal water (Hudson River), the well at radio station WKIP is reportedly contaminated and unusable as a drinking supply.

The landfill has been officially inactive since the early 1970's. However, the town of Poughkeepsie continues to maintain approximately 10 acres for the storage/disposal of leaves and construction debris. This area was observed to be unlocked and had obviously been subjected to the illegal dumping of refuse including small quantities of waste oil.

No investigative or remedial actions have been taken at this site and thus analytical data is not available. Although no evidence of hazardous waste disposal exists, the potential for industrial waste deposition is suspected primarily due to the age of the site and its location adjacent to a relatively highly populated, industrialized area.

2.0 SITE LOCATION



WE / CDM

SCALE : 1" = 2000'

SOURCE : U.S.G.S. 7.5 MIN.

POUGHKEEPSIE - N.Y.

QUADRANGLE

FIGURE 1

SITE LOCATION MAP

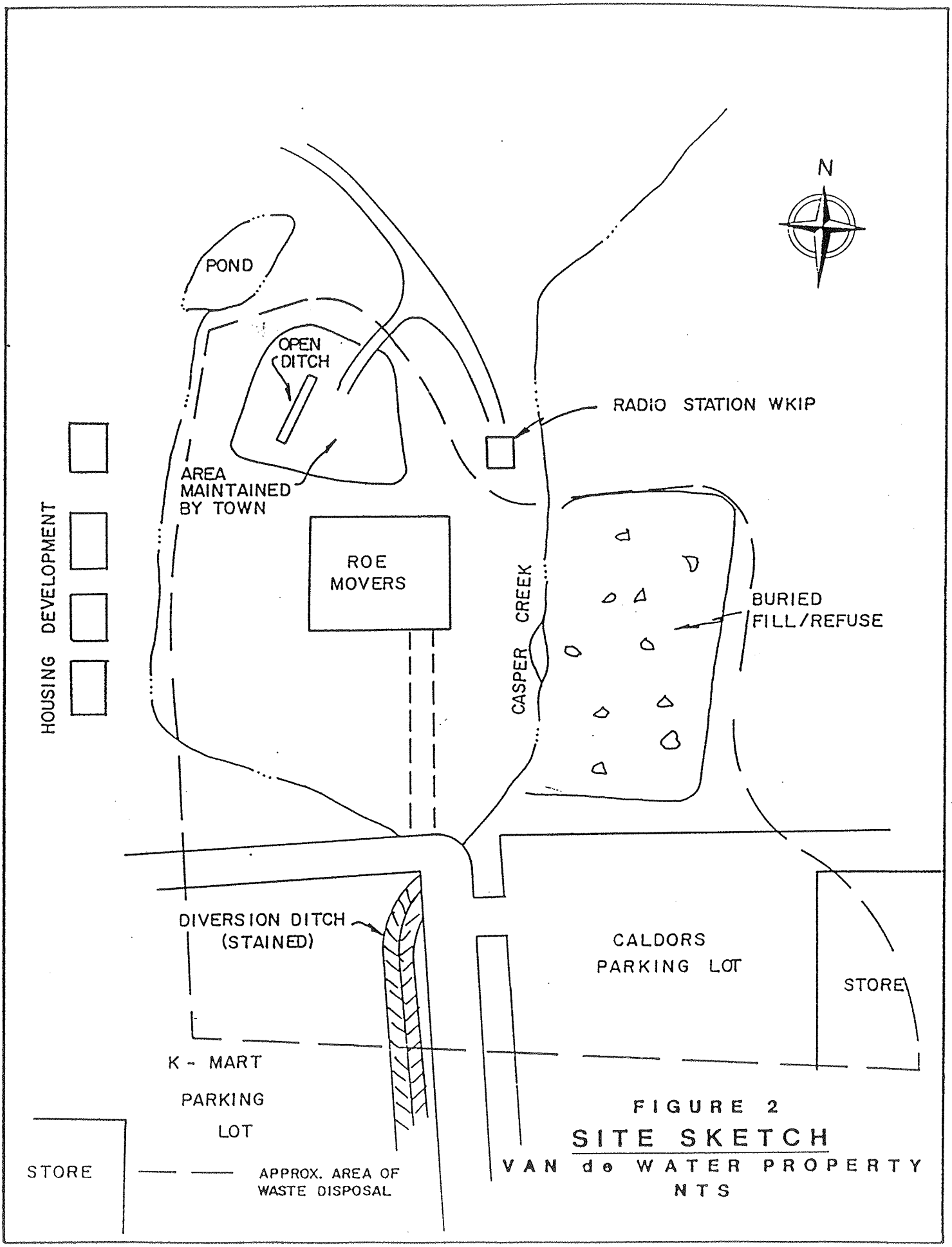


FIGURE 2

SITE SKETCH

VAN de WATER PROPERTY

NTS

3.0 HAZARD RANKING SYSTEM

Facility Name: Van De Water Property

Location: (T) Poughkeepsie - Dutchess County N.Y.

EPA Region: 3

Person(s) in Charge of the Facility: Town of Poughkeepsie
Dutchess TKP
Poughkeepsie NY 12603

Name of Reviewer: William Soukup Date: 8/15/83

General Description of the Facility:

(For example: landfill, surface impoundment, pile, container; types of hazardous substances; location of the facility; contamination route of major concern; types of information needed for rating; agency action, etc.)

land fill since 1930's. Privately owned and leased to Town of Poughkeepsie for municipal waste disposal. Closed in early 70's w/ construction of 44 Plaza. Unknown contents - due to age: suspect industrial waste possible. Contamination of Casper Creek visually evident. No agency action to date

Scores: S_M = 1.73 (S_{gw} = 0.49 S_{sw} = 0.25 S_a = 0)

S_{FE} = 0

S_{DC} = 4.1

HRS COVER SHEET

GROUND WATER ROUTE WORK SHEET

	Rating Factor	Assigned Value (Circle One)	Multi-plier	Score	Max. Score	Ref. (Section)
1	Observed Release	(0) 45	1	0	45	3.1
	If observed release is given a score of 45, proceed to line 4. If observed release is given a score of 0, proceed to line 2.					
2	Route Characteristics					3.2
	Depth to Aquifer of Concern	0 1 2 (3)	2	6	6	
	Net Precipitation	0 1 (2) 3	1	2	3	
	Permeability of the Unsaturated Zone	0 1 2 (3)	1	3	3	
	Physical State	0 1 2 3 unknown	1	0	3	
	Total Route Characteristics Score			11	15	
3	Containment	0 1 (2) 3	1	2	3	3.3
4	Waste Characteristics					3.4
	Toxicity/Persistence	0 3 6 9 12 15 18	1	0	18	
	Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8 unknown	1	0	8	
	Total Waste Characteristics Score			1	26	
5	Targets					3.5
	Ground Water Use	0 (1) 2 3	3	3	9	
	Distance to Nearest Well/Population Served	0 4 6 8 (10) 12 16 18 20 24 30 32 35 40	1	10	40	
	Total Targets Score			13	49	
6	If line 1 is 45, multiply 1 x 4 x 5 if line 1 is 0, multiply 2 x 3 x 4 x 5			286	57.330	
7	Divide line 6 by 57,330 and multiply by 100	S_{gw} = 0.49 (preliminary)				

SURFACE WATER ROUTE WORK SHEET

Rating Factor	Assigned Value (Circle One)	Multiplier	Score	Max. Score	Ref. (Section)
1 Observed Release	(0) 45	1	0	45	4.1
If observed release is given a value of 45, proceed to line 4. If observed release is given a value of 0, proceed to line 2.					
2 Route Characteristics					4.2
Facility Slope and Intervening Terrain	0 (1) 2 3	1	1	3	
1-yr. 24-hr. Rainfall	0 1 (2) 3	1	2	3	
Distance to Nearest Surface Water	0 1 2 (3)	2	6	6	
Physical State	0 1 2 3 unknown	1	0	3	
Total Route Characteristics Score			9	15	
3 Containment	0 1 2 (3)	1	3	3	4.3
4 Waste Characteristics					4.4
Toxicity/Persistence	0 3 6 9 12 15 18	1		18	
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1		8	
unknown					
Total Waste Characteristics Score			1	26	
5 Targets					4.5
Surface Water Use	0 1 (2) 3	3	6	9	
Distance to a Sensitive Environment	(0) 1 2 3	2	0	6	
Population Served/Distance to Water Intake Downstream	(0) 4 6 8 10 12 16 18 20 24 30 32 35 40	1	0	40	
Total Targets Score			6	55	
6 If line 1 is 45, multiply 1 x 4 x 5 If line 1 is 0, multiply 2 x 3 x 4 x 5			162	64,350	
7 Divide line 6 by 64,350 and multiply by 100	S_{SW} = 0.25 (Preliminary)				

AIR ROUTE WORK SHEET

Rating Factor	Assigned Value (Circle One)	Multiplier	Score	Max. Score	Ref. (Section)
[1] Observed Release	(0) 45	1		45	5.1
Date and Location:					
Sampling Protocol:					
If line [1] is 0, the S = 0. Enter on line [5]. If line [1] is 45, then proceed to line [2].					
[2] Waste Characteristics					5.2
Reactivity and Incompatibility	0 1 2 3	1		3	
Toxicity	0 1 2 3	3		9	
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1		8	
	Total Waste Characteristics Score			20	
[3] Targets					5.3
Population Within 4-Mile Radius	0 9 12 15 18 21 24 27 30	1		30	
Distance to Sensitive Environment	0 1 2 3	2		6	
Land Use	0 1 2 3	1		3	
	Total Targets Score			39	
[4] Multiply [1] x [2] x [3]				35,100	
[5] Divide line [4] by 35,100 and multiply by 100 S_a = (0)					

	S	S^2
Groundwater Route Score (S_{gw})	2.99	8.94
Surface Water Route Score (S_{sw})	0.25	0.0625
Air Route Score (S_a)	0	0
$S_{gw}^2 + S_{sw}^2 + S_a^2$		9.0
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		3.0
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} \,/\, 1.73$		$S_M = 1.73$

WORKSHEET FOR COMPUTING S_M

FIRE AND EXPLOSION WORK SHEET

N A

Rating Factor	Assigned Value (Circle One)	Multiplier	Score	Max. Score	Ref. (Section)
1 Containment	1 3	1		3	7.1
2 Waste Characteristics					7.2
Direct Evidence	0 3	1		3	
Ignitability	0 1 2 3	1		3	
Reactivity	0 1 2 3	1		3	
Incompatibility	0 1 2 3	1		3	
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1	=	8	
Total Waste Characteristics Score				20	
3 Targets					7.3
Distance to Nearest Population	0 1 2 3 4 5	1		5	
Distance to Nearest Building	0 1 2 3	1		3	
Distance to Sensitive Environment	0 1 2 3	1		3	
Land Use	0 1 2 3	1		3	
Population Within 2-Mile Radius	0 1 2 3 4 5	1		5	
Buildings Within 2-Mile Radius	0 1 2 3 4 5	1		5	
Total Targets Score				24	
4 Multiply 1 x 2 x 3				1,440	
5 Divide line 5 by 1,440 and multiply by 100			S_{FE} =		

DIRECT CONTACT WORK SHEET

Rating Factor	Assigned Value (Circle One)	Multiplier	Score	Max. Score	Ref. (Section)
1 Observed Incident	(0) 45	1	0	45	8.1
If line 1 is 45, proceed to line 4 If line 1 is 0, proceed to line 2					
2 Accessibility	0 1 2 (3)	1	3	3	8.2
3 Containment	0 15	1	15	15	8.3
4 Waste Characteristics Toxicity	0 (1) 2 3	5	1	15	8.4
5 Targets					8.5
Population Within a 1-Mile Radius	0 1 2 3 4 (5)	4	20	20	
Distance to a Critical Habitat	(0) 1 2 3	4	0	12	
Total Targets Score			20	32	
6 If line 1 is 45, multiply 1 x 4 x 5 If line 1 is 0, multiply 2 x 3 x 4 x 5			900	21,600	
7 Divide line 6 by 21,600 and multiply by 100	S_{DC} = 4.1				

June 28, 1982

DOCUMENTATION RECORDS
FOR
HAZARD RANKING SYSTEM

INSTRUCTIONS: The purpose of these records is to provide a convenient way to prepare an auditable record of the data and documentation used to apply the Hazard Ranking System to a given facility. As briefly as possible summarize the information you used to assign the score for each factor (e.g., "Waste quantity = 4,230 drums plus 800 cubic yards of sludges"). The source of information should be provided for each entry and should be a bibliographic-type reference that will make the document used for a given data point easier to find. Include the location of the document and consider appending a copy of the relevant page(s) for ease in review.

FACILITY NAME: Van De Water Property

LOCATION: Town of Poughkeepsie, Dutchess County, New York

GROUND WATER ROUTE

1 OBSERVED RELEASE No observed release.

Contaminants detected (5 maximum):

Rationale for attributing the contaminants to the facility:

* * *

2 ROUTE CHARACTERISTICS

Depth to Aquifer of Concern

Name/description of aquifers(s) of concern:

Glacial outwash (sand + gravel) likely underlies site.

Depth(s) from the ground surface to the highest seasonal level of the saturated zone [water table(s)] of the aquifer of concern:

depth to water table (based on elev. of Caspar Creek) is 5-15 feet below surface.

Depth from the ground surface to the lowest point of waste disposal/ storage:

unknown

Net Precipitation

Mean annual or seasonal precipitation (list months for seasonal):

44 inches

Mean annual lake or seasonal evaporation (list months for seasonal):

29 inches

Net precipitation (subtract the above figures):

. 15 inches

Permeability of Unsaturated Zone

Soil type in unsaturated zone:

likely to be sandy

Permeability associated with soil type:

$\geq 10^{-3}$ or greater

Physical State

Physical state of substances at time of disposal (or at present time for generated gases):

unknown -

* * *

3 CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

NONE

Method with highest score:

Score = 2 (no surface ponding)

4 WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated:

WASTES unknown

Compound with highest score:

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

unknown

Basis of estimating and/or computing waste quantity:

---

* * *

5 TARGETS

Ground Water Use

Use(s) of aquifer(s) of concern within a 3-mile radius of the facility:

unused

Distance to Nearest Well

Location of nearest well drawing from aquifer of concern or occupied building not served by a public water supply:

100 feet (WKIP)
draws from aquifer but not for drinking

Distance to above well or building:

Population Served by Ground Water Wells Within a 3-Mile Radius

Identified water-supply well(s) drawing from aquifer(s) of concern within a 3-mile radius and populations served by each:

All residents on town supply w/ exception of WKIP
5-20 employees of WKIP

Computation of land area irrigated by supply well(s) drawing from aquifer(s) of concern within a 3-mile radius, and conversion to population (1.5 people per acre):

NONE

Total population served by ground water within a 3-mile radius:

0

SURFACE WATER ROUTE

1 OBSERVED RELEASE

Contaminants detected in surface water at the facility or downhill from it (5 maximum):

No analytical data

Rationale for attributing the contaminants to the facility:

* * *

2 ROUTE CHARACTERISTICS

Facility Slope and Intervening Terrain

Average slope of facility in percent:

0 – 2%

Name/description of nearest downslope surface water:

Casper Creek

Average slope of terrain between facility and above-cited surface water body in percent:

5%

Is the facility located either totally or partially in surface water?

NO

Is the facility completely surrounded by areas of higher elevation?

Yes w/ exception of Casper Creek outlet.

1-Year 24-Hour Rainfall in Inches

3.0 "

Distance to Nearest Downslope Surface Water

100 '

Physical State of Waste

unknown

* * *

3 CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

NONE

Method with highest score:

No Remedial measures known to Lat G.

4 WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated

unknown

Compound with highest score:

—

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

unknown

Basis of estimating and/or computing waste quantity:

—

* * *

5 TARGETS

Surface Water Use

Use(s) of surface water within 3 miles downstream of the hazardous substance:

Possibly Industrial/Recreational

Is there tidal influence?

NO

Distance to a Sensitive Environment

Distance to 5-acre (minimum) coastal wetland, if 2 miles or less:

NA

Distance to 5-acre (minimum) fresh-water wetland, if 1 mile or less:

NA

Distance to critical habitat of an endangered species or national wildlife refuge, if 1 mile or less:

NA

Population Served by Surface Water

Location(s) of water-supply intake(s) within 3 miles (free-flowing bodies) or 1 mile (static water bodies) downstream of the hazardous substance and population served by each intake:

0

Computation of land area irrigated by above-cited intake(s) and conversion to population (1.5 people per acre):

NA

Total population served:

NA

Name/description of nearest of above water bodies:

NA

Distance to above-cited intakes, measured in stream miles.

NA

AIR ROUTE

1 OBSERVED RELEASE

Contaminants detected:

NONE

Date and location of detection of contaminants

—

Methods used to detect the contaminants:

—

Rationale for attributing the contaminants to the site:

—

* * *

2 WASTE CHARACTERISTICS

Reactivity and Incompatibility

Most reactive compound:

unknown

Most incompatible pair of compounds:

—

Toxicity

Most toxic compound:

unknown

Hazardous Waste Quantity

Total quantity of hazardous waste:

unknown

Basis of estimating and/or computing waste quantity:

—

* * *

3 TARGETS

Population Within 4-Mile Radius

Circle radius used, give population, and indicate how determined:

0 to 4 mi 0 to 1 mi 0 to 1/2 mi 0 to 1/4 mi

Distance to a Sensitive Environment

Distance to 5-acre (minimum) coastal wetland, if 2 miles or less:

Distance to 5-acre (minimum) fresh-water wetland, if 1 mile or less:

Distance to critical habitat of an endangered species, if 1 mile or less:

Land Use

Distance to commercial/industrial area, if 1 mile or less:

Distance to national or state park, forest, or wildlife reserve, if 2 miles or less:

Distance to residential area, if 2 miles or less:

Distance to agricultural land in production within past 5 years, if 1 mile or less:

Distance to prime agricultural land in production within past 5 years, if 2 miles or less:

Is a historic or landmark site (National Register or Historic Places and National Natural Landmarks) within the view of the site?

4.0 USEPA SITE ASSESSMENT FORMS

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE	02 SITE NUMBER

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
Van De Water Property	Dutchess TKP - North of 44 Plaza

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
Town of Poughkeepsie	NY		Dutchess		

09 COORDINATES LATITUDE	LONGITUDE
41 42 10.N	073 53 20.W

10 DIRECTIONS TO SITE (Starting from nearest public road)
City of Poughkeepsie - East on Dutchess TKP ½ mile to 44 Plaza, then North between K-Mart and Caldor's to ROE MOVERS.

III. RESPONSIBLE PARTIES

01 OWNER (If known)	02 STREET (Business, mailing, residential)
Van De Water	

03 CITY	04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER
Poughkeepsie	NY		( )

07 OPERATOR (If known and different from owner)	08 STREET (Business, mailing, residential)
Town of Poughkeepsie	

09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER
Poughkeepsie	NY		( )

13 TYPE OF OWNERSHIP (Check one)
☒ A. PRIVATE ☐ B. FEDERAL: _____ (Agency name) ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
☐ F. OTHER: _____ (Specify) ☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)
☐ A. RCRA 3001 DATE RECEIVED: ___/___/___ (MONTH DAY YEAR) ☐ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: ___/___/___ (MONTH DAY YEAR) ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION
☒ YES ☐ NO DATE 1 29 80 (MONTH DAY YEAR)

BY (Check all that apply)
☐ A. EPA ☐ B. EPA CONTRACTOR ☐ C. STATE ☐ D. OTHER CONTRACTOR
☐ E. LOCAL HEALTH OFFICIAL ☒ F. OTHER: Town of Poughkeepsie (Specify)
CONTRACTOR NAME(S): _____

02 SITE STATUS (Check one)
☐ A. ACTIVE ☒ B. INACTIVE ☐ C. UNKNOWN

03 YEARS OF OPERATION 1930's (BEGINNING YEAR) late 1960's (ENDING YEAR) ☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED
Due to the age of landfill there is a potential for industrial waste. - Site is inactive w/ exception of Town dumping.

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION
Contamination of Casper Creek and well at Radio Station WKIP. Plaza 44 and housing develop. in immediate vicinity.

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)
☐ A. HIGH (Inspection required promptly) ☒ B. MEDIUM (Inspection required) ☐ C. LOW (Inspect on time available basis) ☐ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NUMBER
Dennis Fenn	Wehran Engineering	(914) 343-0660

04 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER	08 DATE
William G. Soukup	—	SAME	( ) SAME	8 15 83 (MONTH DAY YEAR)

EPA FORM 2070-12 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- ☐ A. SOLID
- ☐ B. POWDER, FINES
- ☐ C. SLUDGE
- ☐ D. OTHER _____ (Specify)
- ☐ E. SLURRY
- ☐ F. LIQUID
- ☐ G. GAS

02 WASTE QUANTITY AT SITE
(Measures of waste quantities must be independent)

- TONS _____
- CUBIC YARDS UK
- NO. OF DRUMS _____

03 WASTE CHARACTERISTICS (Check all that apply)

- ☐ A. TOXIC
- ☐ B. CORROSIVE
- ☐ C. RADIOACTIVE
- ☐ D. PERSISTENT
- ☐ E. SOLUBLE
- ☐ F. INFECTIOUS
- ☐ G. FLAMMABLE
- ☐ H. IGNITABLE
- ☐ I. HIGHLY VOLATILE
- ☐ J. EXPLOSIVE
- ☐ K. REACTIVE
- ☐ L. INCOMPATIBLE
- ☐ M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

UNKNOWN

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
	UNKNOWN				

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Files

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE | 02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 [X] A. GROUNDWATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: 0-100
02 ☐ OBSERVED (DATE: _____) [X] POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
Relatively high permeability saspected - well at Radio station WKIP is reported to be contaminated. All residents on Town water supply-

01 [X] B. SURFACE WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: 0-1000
02 [X] OBSERVED (DATE: Aug 9 1983) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
Casper Creek is diverted via rip-rap channel through 44 Plaza, and was observed w/ heavy red color and staining on banks.

01 ☐ C. CONTAMINATION OF AIR
03 POPULATION POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS
03 POPULATION POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 [X] E. DIRECT CONTACT
03 POPULATION POTENTIALLY AFFECTED: 1-100
02 [X] OBSERVED (DATE: Aug 9) [X] POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
Town of Poughkeepsie maintains unlocked area for leaves etc. Area is used as illigal dump by residents. waste oil dumped on ground Children playing in area.

01 [X] F. CONTAMINATION OF SOIL
03 AREA POTENTIALLY AFFECTED: 100 ft² (Acres)
02 [X] OBSERVED (DATE: AUG 9 1983) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
WASTE oil ILLEGALLY Dumped AS ABOVE.

01 [X] G. DRINKING WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: 10-20
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL [X] ALLEGED
04 NARRATIVE DESCRIPTION
Radio station WKIP well contaminated - must purchase water.

01 ☐ H. WORKER EXPOSURE/INJURY
03 WORKERS POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ I. POPULATION EXPOSURE/INJURY
03 POPULATION POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

01 ☐ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (Include name(s) of species)
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

01 ☐ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES (Spills/runoff/standing liquids/leaking drums)
03 POPULATION POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

01 ☒ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION
02 ☒ OBSERVED (DATE: AUG 9 1983) ☐ POTENTIAL ☐ ALLEGED

WASTE OIL OBSERVED on ground.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

A portion of K-Mart and Caldor. shopping stores and/or parking lots may be underlain by refuse. Parking lot very uneven - Alleged leachate odor in stores.

III. TOTAL POPULATION POTENTIALLY AFFECTED: 10-1000

IV. COMMENTS

Ground water/surface water investigation is necessary to determine if hazardous wastes are involved.

V. SOURCES OF INFORMATION (Cite specific references, e. g., state files, sample analysis, reports)

Ellis Adams - Dutchess Co. H.D.
Anna Buchholz - Town of Poughkeepsie

EPA FORM 2070-12 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
Van De Water Property	Dutchess TKP - North of 44 Plaza

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
Town of Poughkeepsie	NY		Dutchess		

09 COORDINATES LATITUDE	LONGITUDE
41 42 10.N	073 53 20.W

10 TYPE OF OWNERSHIP (Check one)
☐ A. PRIVATE ☐ B. FEDERAL _____ ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
☐ F. OTHER _____ ☐ G. UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION	02 SITE STATUS	03 YEARS OF OPERATION
8 / 9 / 83 (MONTH DAY YEAR)	☐ ACTIVE ☒ INACTIVE	1930's / late 1960's (BEGINNING YEAR / ENDING YEAR) ___ UNKNOWN

04 AGENCY PERFORMING INSPECTION (Check all that apply)
☐ A. EPA ☐ B. EPA CONTRACTOR _____ (Name of firm) ☐ C. MUNICIPAL ☐ D. MUNICIPAL CONTRACTOR _____ (Name of firm)
☐ E. STATE ☒ F. STATE CONTRACTOR Wehran Eng. (Name of firm) ☐ G. OTHER _____ (Specify)

05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO.
William · Soukup	Senior Hydrologist	Wehran	(914) 343-0660
09 OTHER INSPECTORS	10 TITLE	11 ORGANIZATION	12 TELEPHONE NO.
Ellis Adams		Dutchess Co H. D.	(914) 431-2020
			( )
			( )
			( )
			( )

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO
NONE			( )
			( )
			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
☒ PERMISSION ☐ WARRANT	1:00 pm	Ptly Cloudy

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO.
Dennis Fenn	Wehran Engineering	(914) 343-0660

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE
William Soukup	—	SAME	914-343-0660	8 / 15 / 83 (MONTH DAY YEAR)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES *(Check all that apply)*

- ☐ A. SOLID
- ☐ B. POWDER, FINES
- ☐ C. SLUDGE
- ☐ D. OTHER _____ (Specify)
- ☐ E. SLURRY
- ☐ F. LIQUID
- ☐ G. GAS

02 WASTE QUANTITY AT SITE
(Measures of waste quantities must be independent)

- TONS _____
- CUBIC YARDS UNKNOWN
- NO. OF DRUMS _____

03 WASTE CHARACTERISTICS *(Check all that apply)*

- ☐ A. TOXIC
- ☐ B. CORROSIVE
- ☐ C. RADIOACTIVE
- ☐ D. PERSISTENT
- ☐ E. SOLUBLE
- ☐ F. INFECTIOUS
- ☐ G. FLAMMABLE
- ☐ H. IGNITABLE
- ☐ I. HIGHLY VOLATILE
- ☐ J. EXPLOSIVE
- ☐ K. REACTIVE
- ☐ L. INCOMPATIBLE
- ☐ M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			UNKNOWN
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES *(See Appendix for most frequently cited CAS Numbers)*

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
	Unknown				

V. FEEDSTOCKS *(See Appendix for CAS Numbers)*

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION *(Cite specific references, e.g., state files, sample analyses, reports)*

Files

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 [X] A. GROUNDWATER CONTAMINATION — 02 [ ] OBSERVED (DATE: _____) — [X] POTENTIAL — [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 1-100 — 04 NARRATIVE DESCRIPTION
Relatively high permeability suspected - well at Radio Station W.K.I.P is reported contaminated. All residents on Town water supply.

01 [X] B. SURFACE WATER CONTAMINATION — 02 [X] OBSERVED (DATE: _____) — [ ] POTENTIAL — [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION Aug 9-1983
Casper Creek is diverted via rip-rap channel through 44 Plaza and was observed w/ heavy red color and staining on bank.

01 [ ] C. CONTAMINATION OF AIR — 02 [ ] OBSERVED (DATE: _____) — [ ] POTENTIAL — [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

01 [ ] D. FIRE/EXPLOSIVE CONDITIONS — 02 [ ] OBSERVED (DATE: _____) — [ ] POTENTIAL — [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

01 [X] E. DIRECT CONTACT — 02 [X] OBSERVED (DATE: _____) — [X] POTENTIAL — [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 1-100 — 04 NARRATIVE DESCRIPTION Aug 9-1983
SAME AS BELOW

01 [X] F. CONTAMINATION OF SOIL — 02 [ ] OBSERVED (DATE: _____) — [ ] POTENTIAL — [ ] ALLEGED
03 AREA POTENTIALLY AFFECTED: 100 ft² (Acres) — 04 NARRATIVE DESCRIPTION Aug 9-1983
Town of Poughkeepsie maintains unlocked area for leaves disposal. Area is used as illegal dump by residents - Waste oil dumped on ground - children playing in area.

01 [X] G. DRINKING WATER CONTAMINATION — 02 [X] OBSERVED (DATE: _____) — [ ] POTENTIAL — [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 10-20 — 04 NARRATIVE DESCRIPTION Aug 9-1983
WASTE oil Dumped on ground as ABOVE.

01 [ ] H. WORKER EXPOSURE/INJURY — 02 [ ] OBSERVED (DATE: _____) — [ ] POTENTIAL — [ ] ALLEGED
03 WORKERS POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

01 [ ] I. POPULATION EXPOSURE/INJURY — 02 [ ] OBSERVED (DATE: _____) — [ ] POTENTIAL — [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (Include name(s) of species)

01 ☐ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES (Spills/Runoff/Standing liquids, Leaking drums) — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☐ N. DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☒ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

WASTE OIL OBSERVED ON GROUND.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

A portion of K-Mart and Caldor shopping stores and/or parking lots may be underlain by refuse. Parking lot very uneven. Alleged leachate odor in stores.

III. TOTAL POPULATION POTENTIALLY AFFECTED: 10-1000

IV. COMMENTS

Ground water/surface water investigation is necessary to determine if hazardous wastes are involved.

V. SOURCES OF INFORMATION (Cite specific references, e. g., state files, sample analysis, reports)

Ellis Adams - Dutchess Co. H. D.
Anna Buchholz - Town of Poughkeepsie

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
☐ A. NPDES				
☐ B. UIC				
☐ C. AIR				
☐ D. RCRA				
☐ E. RCRA INTERIM STATUS				
☐ F. SPCC PLAN				
☐ G. STATE (Specify)				
☐ H. LOCAL (Specify)				
☐ I. OTHER (Specify)				
☐ J. NONE				

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE
☐ A. SURFACE IMPOUNDMENT		
☐ B. PILES		
☐ C. DRUMS, ABOVE GROUND		
☐ D. TANK, ABOVE GROUND		
☐ E. TANK, BELOW GROUND		
☒ F. LANDFILL		
☐ G. LANDFARM		
☒ H. OPEN DUMP		
☐ I. OTHER (Specify)		

04 TREATMENT (Check all that apply)

- ☒ A. INCINERATION
- ☐ B. UNDERGROUND INJECTION
- ☐ C. CHEMICAL/PHYSICAL
- ☐ D. BIOLOGICAL
- ☐ E. WASTE OIL PROCESSING
- ☐ F. SOLVENT RECOVERY
- ☐ G. OTHER RECYCLING/RECOVERY
- ☐ H. OTHER (Specify)

05 OTHER

- ☒ A. BUILDINGS ON SITE

06 AREA OF SITE

100 (Acres)

07 COMMENTS

Area of site has changed throughout the years — Area was used for incineration in 1930's & 40's. Refuse all a partially removed from area now occupied by K-Mart / Caldors parking lots.

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)

☐ A. ADEQUATE, SECURE ☐ B. MODERATE ☒ C. INADEQUATE, POOR ☐ D. INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC.

NONE

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: ☐ YES ☒ NO The large majority of waste is covered — however illegal dumping area is still open to children.

02 COMMENTS

VI. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis, reports)

Ellis Adams —

Anna Buchholz —

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION
01 STATE | 02 SITE NUMBER

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY (Check as applicable)	SURFACE	WELL	02 STATUS ENDANGERED	AFFECTED	MONITORED	03 DISTANCE TO SITE
COMMUNITY	A. [X]	B. [ ]	A. [ ]	B. [ ]	C. [X]	A. 3.0 (mi)
NON-COMMUNITY	C. [ ]	D. [ ]	D. [ ]	E. [ ]	F. [ ]	B. ____ (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one)

[ ] A. ONLY SOURCE FOR DRINKING [ ] B. DRINKING (Other sources available) COMMERCIAL, INDUSTRIAL, IRRIGATION (No other water sources available) [X] C. COMMERCIAL, INDUSTRIAL, IRRIGATION (Limited other sources available) [ ] D. NOT USED, UNUSEABLE

02 POPULATION SERVED BY GROUND WATER 0-100 ? | 03 DISTANCE TO NEAREST DRINKING WATER WELL 100 (ft) (mi)

04 DEPTH TO GROUNDWATER	05 DIRECTION OF GROUNDWATER FLOW	06 DEPTH TO AQUIFER OF CONCERN	07 POTENTIAL YIELD OF AQUIFER	08 SOLE SOURCE AQUIFER
5-15 (ft)	SW	0 (ft)	UK (gpd)	[ ] YES [X] NO

09 DESCRIPTION OF WELLS (Including useage, depth, and location relative to population and buildings)

All residents of City and Town of Poughkeepsie are on Town water (Hudson River) however Radio Station WKIP has own well- unknown depth -

10 RECHARGE AREA		11 DISCHARGE AREA	
[ ] YES [ ] NO	COMMENTS	[X] YES [ ] NO	COMMENTS in immediate vicinity of Casper Creek

IV. SURFACE WATER

1 SURFACE WATER USE (Check one)

[ ] A. RESERVOIR, RECREATION DRINKING WATER SOURCE [ ] B. IRRIGATION, ECONOMICALLY IMPORTANT RESOURCES [ ] C. COMMERCIAL, INDUSTRIAL [X] D. NOT CURRENTLY USED

2 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME:	AFFECTED	DISTANCE TO SITE
Casper Creek	[X]	0 (mi)
	[ ]	(mi)
	[ ]	(mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN

ONE (1) MILE OF SITE	TWO (2) MILES OF SITE	THREE (3) MILES OF SITE
A. 10 000 NO. OF PERSONS	B. 40 000 NO. OF PERSONS	C. 60 000 NO. OF PERSONS

02 DISTANCE TO NEAREST POPULATION: 200 (ft) (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE	04 DISTANCE TO NEAREST OFF-SITE BUILDING
UK	0 (mi)

05 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within vicinity of site, e.g., rural, village, densely populated urban area)

Site is 1/2 mile east of City of Poughkeepsie - pop - 40,000.
To east is very rural -
W/in 1/4 mi of site is 44 Plaza - and housing development

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION
01 STATE | 02 SITE NUMBER

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

☐ A. $10^{-6} - 10^{-8}$ cm/sec ☐ B. $10^{-4} - 10^{-6}$ cm/sec ☒ C. $10^{-4} - 10^{-3}$ cm/sec ☐ D. GREATER THAN 10^{-3} cm/sec

02 PERMEABILITY OF BEDROCK (Check one)

☐ A. IMPERMEABLE (Less than 10^{-6} cm/sec) ☒ B. RELATIVELY IMPERMEABLE ($10^{-4} - 10^{-6}$ cm/sec) ☐ C. RELATIVELY PERMEABLE ($10^{-2} - 10^{-4}$ cm/sec) ☐ D. VERY PERMEABLE (Greater than 10^{-2} cm/sec)

03 DEPTH TO BEDROCK	04 DEPTH OF CONTAMINATED SOIL ZONE	05 SOIL pH	
UK (ft)	UK (ft)	UK	

06 NET PRECIPITATION	07 ONE YEAR 24 HOUR RAINFALL	08 SLOPE		
		SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE
44 (in)	3.0 (in)	0 %	—	0 %

09 FLOOD POTENTIAL
SITE IS IN UK YEAR FLOODPLAIN

10
☐ SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (5 acre minimum)

ESTUARINE	OTHER
A. _____ (mi)	B. _____ (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)
_____ (mi)
ENDANGERED SPECIES: _____

13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL/INDUSTRIAL	RESIDENTIAL AREAS; NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS PRIME AG LAND	AGRICULTURAL LANDS AG LAND
A. < 1/4 (mi)	B. 200 (ft) (mi)	C. > 3.0 (mi)	D. _____ (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

Site occupies valley of Casper Creek between two tributaries. Valley achieves 100 - 150 ft of relief w/ sourrounding hills. Site is graded level and grass cover - Parts of site underlie - Plaza 44 shopping center - possibly ROE MOVERS.

VII. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Ellis Adams - Dutchess Co HD
Anna Buchholz Town of Poughkeepsie

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER		NONE	
SURFACE WATER			
WASTE			
AIR			
RUNOFF			
SPILL			
SOIL			
VEGETATION			
OTHER			

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS

IV. PHOTOGRAPHS AND MAPS

01 TYPE ☐ GROUND ☐ AERIAL

02 IN CUSTODY OF _____
(Name of organization or individual)

03 MAPS
☐ YES
☐ NO

04 LOCATION OF MAPS _____

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

NONE

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 7 - OWNER INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER

II. CURRENT OWNER(S) / PARENT COMPANY *(If applicable)*

01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER
Van de Water			

03 STREET ADDRESS *(P.O. Box, RFD #, etc.)*	04 SIC CODE	10 STREET ADDRESS *(P.O. Box, RFD #, etc.)*	11 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE

01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER

03 STREET ADDRESS *(P.O. Box, RFD #, etc.)*	04 SIC CODE	10 STREET ADDRESS *(P.O. Box, RFD #, etc.)*	11 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE

01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER

03 STREET ADDRESS *(P.O. Box, RFD #, etc.)*	04 SIC CODE	10 STREET ADDRESS *(P.O. Box, RFD #, etc.)*	11 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE

01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER

03 STREET ADDRESS *(P.O. Box, RFD #, etc.)*	04 SIC CODE	10 STREET ADDRESS *(P.O. Box, RFD #, etc.)*	11 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE

III. PREVIOUS OWNER(S) *(List most recent first)* / IV. REALTY OWNER(S) *(If applicable; list most recent first)*

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER

03 STREET ADDRESS *(P.O. Box, RFD #, etc.)*	04 SIC CODE	03 STREET ADDRESS *(P.O. Box, RFD #, etc.)*	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER

03 STREET ADDRESS *(P.O. Box, RFD #, etc.)*	04 SIC CODE	03 STREET ADDRESS *(P.O. Box, RFD #, etc.)*	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER

03 STREET ADDRESS *(P.O. Box, RFD #, etc.)*	04 SIC CODE	03 STREET ADDRESS *(P.O. Box, RFD #, etc.)*	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

V. SOURCES OF INFORMATION *(Cite specific references, e.g., state files, sample analyses, reports)*

Files

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER

II. CURRENT OPERATOR (Provide if different from owner)

NAME	02 D+B NUMBER
Town of Poughkeepsie	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

CITY	06 STATE	07 ZIP CODE
Poughkeepsie	NY	

08 YEARS OF OPERATION	09 NAME OF OWNER

OPERATOR'S PARENT COMPANY (If applicable)

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)

NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

PREVIOUS OPERATORS' PARENT COMPANIES (If applicable)

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

NAME	02 D+B NUMBER

STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

CITY	06 STATE	07 ZIP CODE

YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

NAME	02 D+B NUMBER

STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

CITY	06 STATE	07 ZIP CODE

YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

IV. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	
05 CITY	06 STATE / 07 ZIP CODE	

III. OFF-SITE GENERATOR(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE

IV. TRANSPORTER(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER

II. PAST RESPONSE ACTIVITIES

01 ☐ A. WATER SUPPLY CLOSED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☒ B. TEMPORARY WATER SUPPLY PROVIDED — 02 DATE UK — 03 AGENCY _____
04 DESCRIPTION
Radio Station WKIP must purchase water - well contaminated

01 ☐ C. PERMANENT WATER SUPPLY PROVIDED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ D. SPILLED MATERIAL REMOVED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ E. CONTAMINATED SOIL REMOVED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ F. WASTE REPACKAGED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ G. WASTE DISPOSED ELSEWHERE — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ H. ON SITE BURIAL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ I. IN SITU CHEMICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ J. IN SITU BIOLOGICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ K. IN SITU PHYSICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ L. ENCAPSULATION — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ M. EMERGENCY WASTE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ N. CUTOFF WALLS — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ O. EMERGENCY DIKING/SURFACE WATER DIVERSION — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ P. CUTOFF TRENCHES/SUMP — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ Q. SUBSURFACE CUTOFF WALL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

01 STATE	02 SITE NUMBER

II PAST RESPONSE ACTIVITIES (Continued)

01 ☐ R. BARRIER WALLS CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☒ S. CAPPING/COVERING — 02 DATE _____ UK — 03 AGENCY _____
04 DESCRIPTION
area is graded + grass cover - parking lot cover on portions.

01 ☐ T. BULK TANKAGE REPAIRED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ U. GROUT CURTAIN CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ V. BOTTOM SEALED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ W. GAS CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ X. FIRE CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ Y. LEACHATE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ Z. AREA EVACUATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ 1. ACCESS TO SITE RESTRICTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ 2. POPULATION RELOCATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ 3. OTHER REMEDIAL ACTIVITIES — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

NONE

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Files

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION ☐ YES ☒ NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

NONE

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analyses, reports)

APPENDIX A

NYSDEC SUPERFUND INVESTIGATIONS

PHASE II - TOTAL PROJECT COST SUMMARY[1]

Site: Van De Water Property

LABOR	20,842.17
OTHER DIRECT COST	26,979.00
FIXED FEE AT 12 PERCENT	5,738.54
TOTAL COST	53,559.71

[1] This cost estimate does not include any provisions for inflation and can be considered current for approximately three months.

9.0 PHASE II WORK PLAN COST SUMMARY

TOWN OF POUGHKEEPSIE, NEW YORK
DUTCHESS TURNPIKE POUGHKEEPSIE, N.Y. 12603 (914) 471-8200

ANNA BUCHHOLZ
Supervisor

May 2, 1983

Wehran Engineering
Research & Design Center
666 East Main Street
Middletown, New York
10940

Att: Mr. Kevin M. Burger
Senior Scientist

Dear Mr. Burger:

Confirming our telephone conversation on April 29th and regarding your letter of April 18th, only one of the three Town of Poughkeepsie hazardous landfill sites on your list was at one time a municipal landfill, namely #11, the VandeWater property. It was closed about 1960-1961. There seems to be virtually no record of its operating procedures; probably the most useful source of information would be Fred Swartout, who was the landfill operator for a number of years and who still lives in the Town. He was never contacted?

If you visit the Town's Planning and/or Zoning Departments, I believe engineers' drawings and approved site plans may be available on sites #9 and 10. To my knowledge there are no records of hydrologic or geologic data, no borings or drilling logs and very little historical data.

Please let us know if there is any way we can cooperate with you.

Sincerely yours,

Anna Buchholz

Anna Buchholz
Supervisor

AB/bfm

Priority Code: _____

Site Code: 152042

Name of Site: VAN DERWATER PROPERTY

County: _____ Town/~~City~~ _____ Region: _____

Street Address: _____

Status of Site Narrative:

[code from p. 3]

Type of Site: Open Dump ☐ Treatment Pond(s) ☐ Number of Ponds _____
Landfill ☑ Lagoon(s) ☐ Number of Lagoons _____
Structure ☐

Estimated Size _____ Acres

Hazardous Wastes Disposed? Confirmed ☐ Suspected ☑

*Type and Quantity of Hazardous Wastes:

TYPE	QUANTITY (Pounds, drums, tons, gallons)

*Use additional sheets if more space is needed.

Name of Current Owner of Site:
Address of Current Owner of Site:

47-13-1(c/80)

Time Period Site Was Used for Hazardous Waste Disposal:

_____, 19___ To _____, 19__?

Is site Active ☐ Inactive ☐

(Site is inactive if hazardous wastes were disposed of at this site and site was closed prior to August 25, 1979)

Types of Samples: Air ☐ Groundwater ☐ None ☒
Surface Water ☐ Soil ☐

Remedial Action: Proposed ☐ Under Design ☐
In Progress ☐ Completed ☐
Nature of Action:

Status of Legal Action: _____ State ☐ Federal ☐

Permits Issued: Federal ☐ Local Government ☐ SPDES ☐
Solid Waste ☐ Mined Land ☐ Wetlands ☐ Other ☐

Assessment of Environmental Problems:

Assessment of Health Problems:

Persons Completing this Form:

GDK

New York State Department of Environmental Conservation
Date

New York State Department of Health
Date

1/18/80
GDK:cl

REPORTED HAZARDOUS WASTE SITES

11/4/13

Date January 15, 1980

D.E.C. Region III

County Dutchess

Site Owner Van De Water Property

Site Name, if any

Location Off Van Wagner Road, rear of 44 Plaza, adjacent to radio station, Town of Poughkeepsie

Site Description-(size, topography, residences, surface water, vegetation, land use, accessibility to people, etc.) Approximately 2 acres, flat and open, limited vegetative cover. Public water supply in area, residences nearby to the west. Very accessible - no leachate evidenced. Casper Kill Creek 600' to southeast. Pond on site 200' to north. Nearest well is 900' away.

Area is

Waste Description-(containers, physical character, odors, color, source, etc) Spring clean-up wastes and old municipal dump (town) - operated through '60's.

Remarks-(names of others who may have knowledge of this site and any additional pertinent information) Bryant Ormsby - Poughkeepsie - inspected January 29, 1980

Source of information Anna Buchholz Phone

Address Town of Poughkeepsie

Information Received By Robert Vrana Phone 485-9707

Title Asst. Public Health Engineer

Is this site included in the list of 520 sites in the In-Place Toxics Task Force Report? Yes ☐ No ☒

If field inspection is made, the site should be described using the Initial [illegible] and the Inspection Form.

HQ 0816

EPA POTENTIAL HAZARDOUS WASTE SITE IDENTIFICATION

REGION 2 | SITE NUMBER NY 20212

NOTE: The initial identification of a potential site or incident should not be interpreted as a finding of illegal activity or confirmation that an actual health or environmental threat exists. All identified sites will be assessed under the EPA's Hazardous Waste Site Enforcement and Response System to determine if a hazardous waste problem actually exists.

A. SITE NAME: VANDEWATER PROPERTY

B. STREET (or other identifier): BEHIND 44 PLAZA OFF VAN WAGNER RD

C. CITY: POUGHKEEPSIE

D. STATE: NY

E. ZIP CODE:

F. COUNTY NAME: DUTCHESS

G. OWNER/OPERATOR (if known)

1. NAME: UNKNOWN

2. TELEPHONE NUMBER: —

H. TYPE OF OWNERSHIP (if known)

☐ 1. FEDERAL ☐ 2. STATE ☐ 3. COUNTY ☐ 4. MUNICIPAL ☒ 5. PRIVATE ☐ 6. UNKNOWN

I. SITE DESCRIPTION

2 ACRE MUNICIPAL REFUSE - POND ON SITE - WELL 900 FEET AWAY CASPER KILL CREEK 600' S.E.
INACTIVE SINCE '69

J. HOW IDENTIFIED (i.e., citizen's complaints, OSHA citations, etc.)

UPDATE NYS LIST OF HAZARDOUS WASTE DISP. SITES

K. DATE IDENTIFIED (mo., day, & yr.): 4-29-80

L. SUMMARY OF POTENTIAL OR KNOWN PROBLEM

LEACHED INTO CASPER KILL CREEK IN PAST
RESIDENCES + WELL IN AREA

M. PREPARER INFORMATION

NAME: ERNEST SCHMALZ

2. TELEPHONE NUMBER: FTS 264-1573

3. DATE (mo., day, & yr.): 11/12/80

EPA Form 2070-8 (5-80)

(40)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
REPORTED HAZARDOUS WASTE SITES

#14-13

Date January 15, 1980

D.E.C. Region III

County Dutchess

Site Owner Van De Water Property

Site Name, if any

Location Off Van Wagner Road, ~~rear~~ NORTH of 44 Plaza, adjacent to radio station, Town of Poughkeepsie

Site Description-(size, topography, residences, surface water, vegetation, land use, accessibility to people, etc.) Approximately 2 acres, flat and open, limited vegetative cover. Public water supply in area, residences nearby to the west. Very accessible - no leachate evidenced. Casper Kill Creek 600' to southeast. Pond on site 200' to north. Nearest well is 900' away.

Waste Description-(containers, physical character, odors, color, source, etc) Spring clean-up wastes and old municipal dump (town) - operated through '60's.

Remarks-(names of others who may have knowledge of this site and any additional pertinent information) Bryant Ormsby - Poughkeepsie - inspected January 29, 1980

Source of information Anna Buchholz Phone

Address Town of Poughkeepsie

Information Received By Robert Vrana Phone 485-9707

Title Asst. Public Health Engineer

Is this site included in the list of 520 sites in the In-Place Toxics Task Force Report? Yes ☐ No ☒

If field inspection is made, the site should be described using the Initial Evaluation of Industrial & Hazardous Waste Site Inspection form

APPENDIX B

47-15-11(2/80)

HAZARDOUS WASTE DISPOSAL SITES REPORT
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Code: _____

Site Code: _____

Name of Site: Van De Water Property Region: 3

County: Dutchess (Town)/City Poughkeepsie

Street Address Dutchess TKP - North of 44 Plaza

Status of Site Narrative:

Land fill site since 1930's. Privately owned and leased to Town of Poughkeepsie for municipal disposal through late 1960's - early 1970's. Due to age of site industrial waste disposal suspected. During construction of K-Mart in 1965 - refuse was relocated (partially ?) to north. Parts of 44 Plaza may be underlain by refuse - Parking lots very uneven - alleged leachate outbreaks. Visual evidence of Casper Creek contamination. WKIP well unusable - No regulatory enforcement to date.

Type of Site: Open Dump ☒ Treatment Pond(s) ☐ Number of Ponds _____
Landfill ☒ Lagoon(s) ☐ Number of Lagoons _____
Structure ☐

Estimated Size 100 Acres

Hazardous Wastes Disposed? Confirmed ☐ Suspected ☒

*Type and Quantity of Hazardous Wastes:

TYPE	QUANTITY (Pounds, drums, tons, gallons)
UNKNOWN	UNKNOWN

* Use additional sheets if more space is needed.

Name of Current Owner of Site: _____

Address of Current Owner of Site: _____

Time Period Site Was Used for Hazardous Waste Disposal:

1930's , 19 To late 60's , 19

Town currently uses for leaves etc.

Is site Active ☐ Inactive ☒
(Site is inactive if hazardous wastes were disposed of at this site and site was closed prior to August 25, 1979)

Types of Samples: Air ☐ Groundwater ☐ None ☒
Surface Water ☐ Soil ☐

Remedial Action: Proposed ☐ Under Design ☐
In Progress ☐ Completed ☐
Nature of Action: NONE

Status of Legal Action: NONE State ☐ Federal ☐

Permits Issued: Federal ☐ Local Government ☐ SPDES ☐
unknown Solid Waste ☐ Mined Land ☐ Wetlands ☐ Other ☐

Assessment of Environmental Problems:

Contamination of surface water - Casper Creek (observed leachate in creek)
Contamination of ground water - probable sand & gravel aquifer w/ no liner or leachate coll. system.

Assessment of Health Problems:

unknown

Persons Completing this Form:

William G. Soutup — Wehran Engineering under NYS DEC contract

New York State Department of Environmental Conservation — New York State Department of Health

Date _____ _____

5.0 SITE HISTORY

The Van De Water Property has been operating as an open dump since the 1930's, during which time the land has been privately owned and leased to the Town of Poughkeepsie for municipal waste disposal. Although officially inactive since the late 1960's, the Town presently uses a 10 acre parcel along the northern boundary for the storage/disposal of leaves and construction debris.

Areas of active waste deposition have undoubtedly undergone numerous changes throughout the history of the site. One such change occurred in 1964 during construction of portions of the 44 Plaza Shopping Center. Refuse, originally disposed in the areas now occupied by K-Mart and Caldors (southern portion of site delineated in Figure 1), was relocated to the northeast, adjacent to Casper Creek. The Dutchess County Health Department, however, is uncertain if the entire thickness of the refuse was in fact removed. Leachate seeps in the parking lots and odors in the stores have been reported. Differential settling of the parking lot, possibly due to compaction of underlying refuse, was observed during the site inspection.

Although the inplace waste are primary non-hazardous municipal refuse, the potential for industrial waste deposition exists due to the age of the site and its location adjacent to a relatively populated, indistrual area.

Although no analytical data was available to characterize the wastes, leachate was observed in the adjacent Casper Creek, and the well at radio station WKIP is unuseable for a potable water supply. The residents of both the Town and the City of Poughkeepsie are on municipal water derived from the Hudson River and are thus not directly affected. Additional sampling and investigation are necessary however to further characterize the problems at the site.

6.0 SITE INFORMATION

6.1 SITE TOPOGRAPHY

The Van De Water Property is located in west-central Dutchess County in the Town of Poughkeepsie, approximately 2-1/2 miles east of the Hudson River. Regionally this area is characterized by numerous small, irregularly shaped hills, most of which range in height from 20 to 100 feet above the intervening valleys. Scattered throughout the area, however, are a few small, regularly shaped hills that rise 200 to 300 feet or more above the adjacent valleys. Altitudes in this area range from about 40 feet above sea level near the Hudson River to about 900 feet above sea level. Drainage is less well developed than in the remainder of the county, as indicated by the presence of numerous swamps.

The site itself occupies the topographic valley of Casper Creek which is approximately 2,000 feet wide at this location. The main channel borders the eastern portion of the site, whereas a small tributary forms the western boundary. Prior to waste deposition, the valley was poorly drained, forming localized swampy areas. During construction of the 44-Plaza in the mid-1960's, however, the main channel was regraded via a concrete diversion ditch and the remainder of the low area landfilled with refuse. A small pond forms the headwaters of the tributary on the northwest corner of the property. The relatively higher ground between the two streams represents the majority of the landfilled portion of the site. A small bedrock knoll in the south central portion of this area may have been excluded from deposition and now underlies the building of Roe Movers.

6.2 SITE HYDROGEOLOGY

The bedrock underlying the Van De Water Property consists of slate and phyllite of the Hudson River formation. The rock is locally black, gray, red, or green, and quartz-filled fractures are

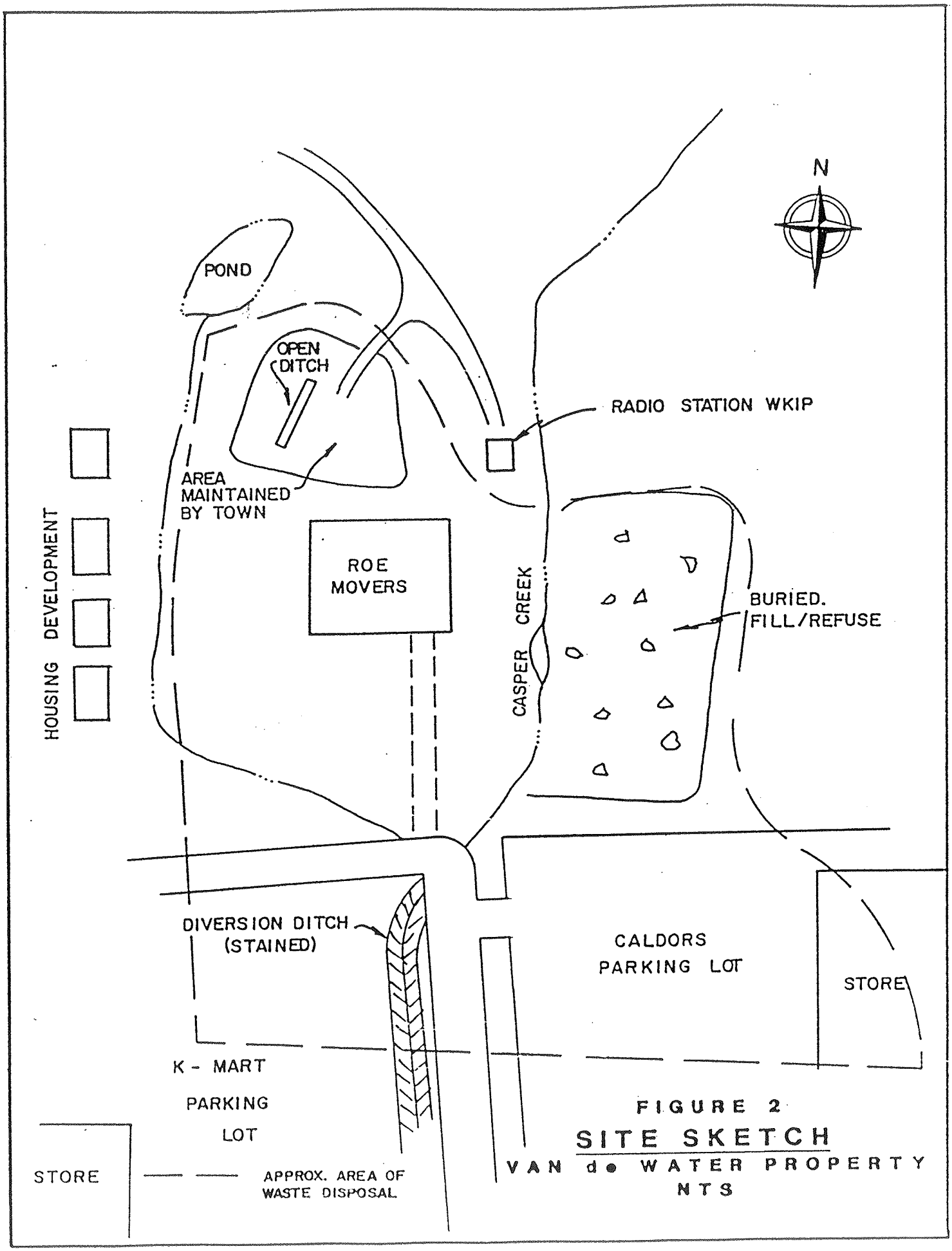


FIGURE 2

SITE SKETCH

VAN de WATER PROPERTY

NTS

common. The average water yielding capability for a single well is 16 gpm, which is greater than the underlying granite but less than the Stockbridge limestone which occurs in other parts of the country.

Overyling the bedrock are glacial deposits which vary in thickness from 2 to over 100 feet. Although no test boring information was available, the area is reportedly underlain by glacial outwash deposits consisting of fine to coarse grained sand and gravel (Simmons et. al., 1961).

The elevation of ground water as determined from the two small streams which border the site, is approximately 145 feet (MSL). Regionally, ground-water flow would be south, parallel to surface water drainage in the streams. Locally, however, ground-water movement is from the central portion of the site directly towards the streams. As this information was determined from the 1957 U.S.G.S. topographic quadrangle, recent changes in landforms, such as landfilling and construction of the K-Mart and Caldor shopping malls may have altered this scenario. This would be particularly evident in the southern portion of the site where parking lots have reduced precipitation infiltration and the stream channel has been rerouted. Little is known regarding the occurrence, or flow direction of ground water in the bedrock.

6.3 PAST SAMPLING AND ANALYSIS PROGRAMS

File information obtained from the Dutchess County Health Department, Town of Poughkeepsie and various state and federal agencies, indicates that no investigative activities have been implemented at the site. As a result, no analytical data was available or is known to exist.

7.0 ADEQUACY OF AVAILABLE DATA IN PREPARING HRS

7.1 GROUND-WATER ROUTE

The preliminary ground-water route score is 2.9. Information is lacking in the following areas.

- There has been no hydrogeologic investigation of the site and as such there has been no observed release.
- The route characteristics are based upon available hydrogeologic information contained in the USGS Bulletin for Dutchess County. More accurate site specific information would be developed through a hydrogeologic investigation.
- There is no information available regarding quantities, types, or physical state of waste that have been disposed of at the site. A "Total Waste Characteristics Score" of 1.0 was given, however, to allow computation of a preliminary score.

7.2 SURFACE WATER ROUTE

The preliminary surface water route score is 0.25. Information regarding waste characteristics are again unknown and contribute to the low score. In addition, visual degradation of Casper Creek was observed during the site inspection. Severe discoloration of the stream and its banks indicate the potential that leachate is entering the surface water and further sampling and analysis are necessary.

7.3 AIR ROUTE

Due to the age of the site, and its adequate soil and vegatative cover, contamination of the air was not observed nor is suspected. However, leachate odors reported in the stores of 44 Plaza, may indicate a potential landfill gas problem and should be further investigated.

7.4 DIRECT CONTACT

The final direct contact score is 4.1. Although the majority of the older wastes are adequately covered, the Town of Poughkeepsie maintains approximately 10 acres for the storage of leaves. The site visit revealed an open ditch which contained various types of rubbish, obviously the result of illegal dumping. Waste oil was also observed in small quantities. The gate was unlocked and several children were playing in the area. The Town should be required to secure this area immediately.

1983

Only now do they tell us!

June, 85!

8.0 PHASE II WORK PLAN

8.1 INTRODUCTION AND OBJECTIVES

During this Phase I investigation, it has been determined that the Van De Water Property site poses a potential threat not only to the ground-water aquifer beneath the site, but also to the surface water of Casper Creek. This Phase II work plan is designed to generate the necessary data to characterize the site and its associated environmental problems, and to compute a final HRS score. The objectives of this work plan are as follows:

- To better identify the types of contamination contained in the site
- To further identify subsurface hydrogeologic conditions
- To determine the presence of contamination in the ground water and surface water immediately adjacent to the site
- To evaluate whether contamination from the site poses environmental or health concerns
- To consider the possible cost for future remedial investigations

Procedures to be utilized for sampling and analysis, as well as health and safety, will be conducted in conformance with the consultant's generic procedures submitted to NYSDEC prior to initiation of work under this contract.

8.2 WORK PLAN

To accomplish the above mentioned objectives, the following tasks and subtasks are recommended:

Field Investigation

Task 1 - Hydrogeologic Investigation

A hydrogeologic investigation will be conducted to identify the local geology and ground-water flow characteristics, as well as develop an initial concept of contaminant transport. It is proposed that the following programs be undertaken in order to identify stratigraphy, ground-water flow direction and rate, aquifer properties, and contaminant levels in the vicinity of the site:

1. Identify the aerial extent of waste disposal via tax maps and aerial photographs.
2. Review local hydrogeologic information to determine test boring and monitoring well locations.
3. Conduct test borings at three downgradient and one upgradient locations. Continuous split-spoon samples would be collected and complete geologic logs recorded.
4. Install a monitoring well in each test boring location.
5. Construct one additional deep monitoring well at one of the test boring locations to form a couplet.
6. Survey all well locations and elevations.
7. Measure water level elevations in the wells to determine horizontal and vertical ground-water flow direction.
8. One ground-water sample will be obtained from each of the five monitoring wells. These samples will be analyzed for the 129 USEPA Priority Pollutants and water quality indicator parameters including BOD, COD, pH, conductivity, chlorides, TSS and TDS and iron.
9. A ground water sample will also be collected from the radio station WKIP well and analyzed for same.

APPENDIX D

ENGINEERING INVESTIGATIONS AT INACTIVE HAZARDOUS WASTE SITES

PRELIMINARY SITE ASSESSMENT

VAN DE WATER PROPERTY, NORTH
POUGHKEEPSIE (C)

SITE NO. 314040
DUTCHESS (C)

Prepared for:

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
50 Wolf Road, Albany, New York

Thomas C. Jorling, Commissioner

DIVISION OF HAZARDOUS WASTE REMEDIATION

Michael J. O'Toole, Jr., P.E. – Director

URS Consultants, Inc.
570 Delaware Avenue
Buffalo, New York 14202

MARCH 1992

PRELIMINARY SITE ASSESSMENT

TASK 1: DATA RECORDS SEARCH AND ASSESSMENT

VAN DE WATER PROPERTY

SITE NO. 314040

POUGHKEEPSIE (T)/DUTCHESS (C)

MARCH 1992

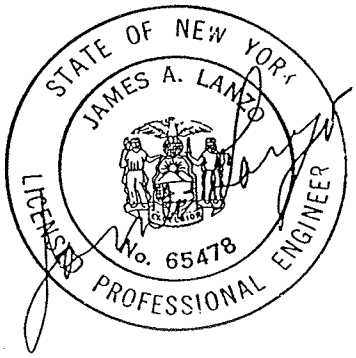
Performed Under

NYSDEC CONTRACT NO. D002340

NYSDEC WORK ASSIGNMENT NO. D002340-3

By

URS CONSULTANTS, INC.



For

DIVISION OF HAZARDOUS WASTE REMEDIATION

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

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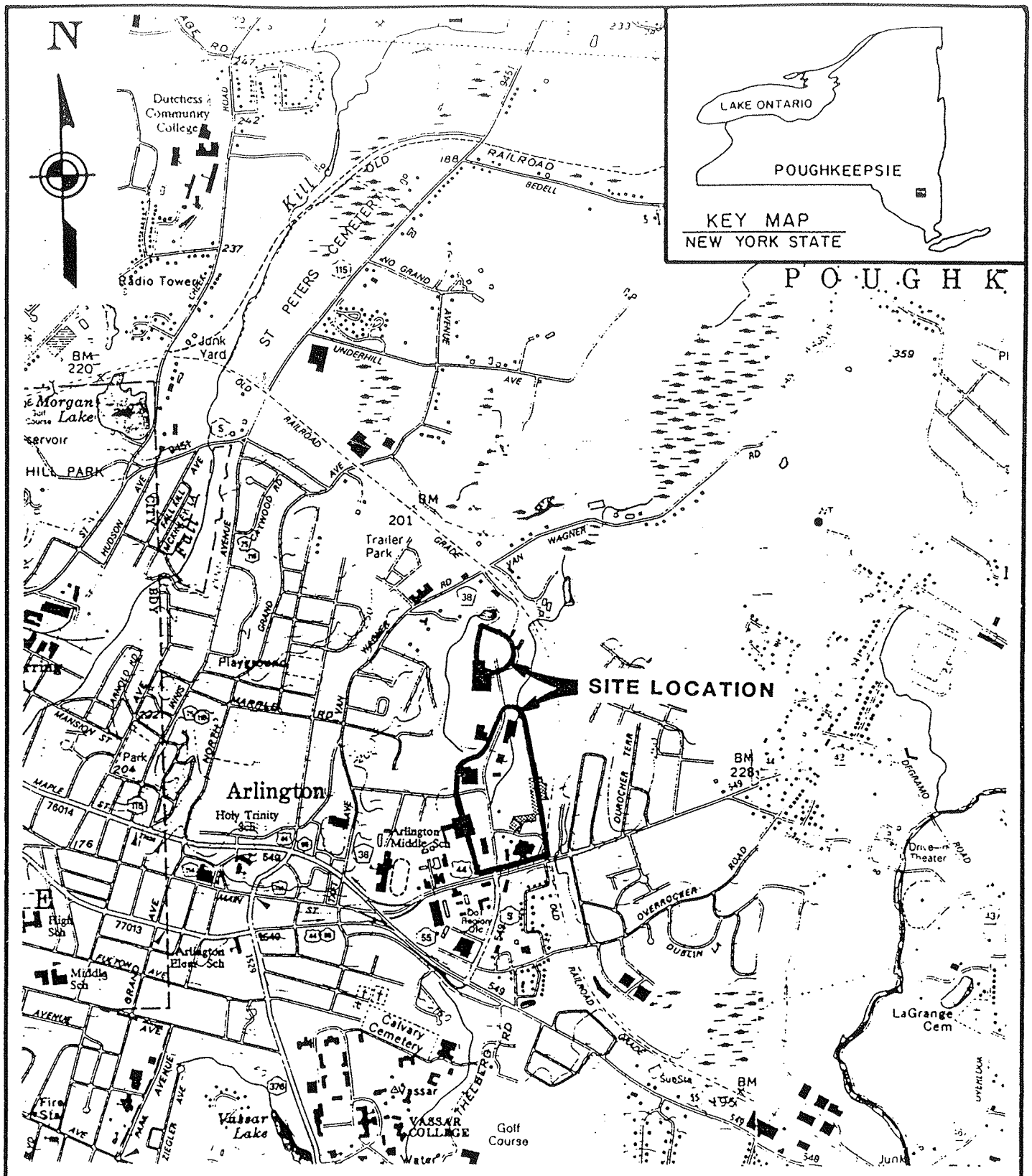
1. EXECUTIVE SUMMARY

The Van De Water Property Site, No. 314040 is an area of approximately 120 acres located north of Route 44 and south of Van Wagner Road in the Town of Poughkeepsie, Dutchess County, New York (Figure 1 and 2). The site is currently classified as a Class 2a by the NYSDEC.

The property was owned by Robert and John Van De Water of Poughkeepsie during landfilling operations and is now subdivided and owned by several different parties. The southern portion of the property was the site of a municipal waste disposal landfill operated by the Town and City of Poughkeepsie from the 1940's through the early 1970's. This portion is now commercially developed with two shopping centers (44 Plaza and K-Mart), and two moving companies. The northern portion of the property was used for spring clean-up debris burial by the Town of Poughkeepsie from the 1970's through 1984 and possibly for sanitary landfilling during the 1960's.

There is documentation of hazardous waste deposition on this site based upon a Right-to-Know Hazardous Waste Disposal Questionnaire completed in 1984 on file at NYSDEC citing the town facility as the receiver of 50 pounds/year of tetrachloroethene residue (F002) beginning in 1963. It can be inferred from available documentation that the landfill ceased operations in 1971. However, due to the age of the facility, the presence of both small and large industries in Poughkeepsie, and past disposal practices, there is a likelihood that other industries have disposed of hazardous waste at this site in the past.

There are no analytical data available from this site. Groundwater contamination is of concern as there are residents of the area dependent on wells for potable water. Most of the population, however, is on municipal water supply. Casper Creek, a Class D Stream, flows through the site in two branches to a NYS-designated wetland less than 2 miles



URS CONSULTANTS, INC.	VAN DE WATER PROPERTY, NORTH SITE LOCATION MAP	FIGURE 1

A-3652

N

CONRAIL

VAN WAGNER ROAD

NYDEC WETLAND PK - 5

POND

POND

LIMIT OF FILL

CASPER CREEK

COOPER RD.

WKIP RADIO STATION

APARTMENT COMPLEX

MARPLE RD.

MAY FLOWER

MOUNDED FILL

ROE MOVERS

FRIENDLY LANE

CALDORS SHOPPING PLAZA

K-MART

ARLINGTON JR. HIGH SCHOOL

TAFT AVE

BURNETT BLVD.

APPROXIMATE LIMIT OF FILL

PARKWAY

DUTCHESS

L E G E N D

- PROPOSED SOIL / WASTE SAMPLE LOCATION
- PROPOSED BEDROCK MONITORING WELL AND SOIL SAMPLE LOCATIONS
- PROPOSED SURFACE WATER AND SEDIMENT SAMPLE LOCATIONS
- MONITORING WELL IN ASSOCIATION WITH SCHATZ FEDERAL BEARING RI/FS

APPROXIMATE SCALE 0 400 800 FT

URS CONSULTANTS, INC.

VAN de WATER PROPERTY
SITE SKETCH

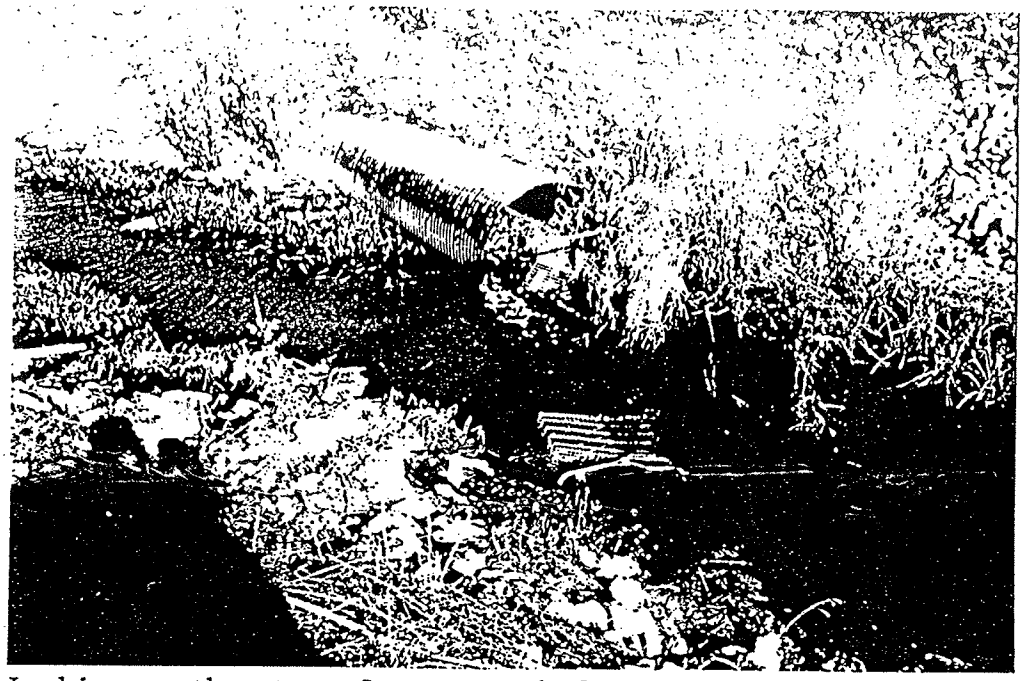
FIGURE 2

downstream. The Creek then flows to the Hudson River 7 miles downstream from the site. Leachate in Casper Creek was observed during a site inspection on October 15, 1990. A threatened species of turtle has been collected in the vicinity of the site. During a previous investigation, methane gas was detected over one portion of the site. There is a major concern over direct contact with the site since it is developed with shopping centers frequented by employees and the public. Site features are shown in Figures 2 and 3.

Although there is documentation of hazardous waste deposition at this site, there is insufficient evidence to make a determination of significant threat and thus reclassify the site. URS Consultants recommends the installation of groundwater monitoring wells; soil, surface water and sediment samples; and the use of existing wells to gather data to allow for the reclassification or delisting of this site.

Based on the information gathered for this investigation the following Hazard Ranking System scores were calculated:

S_M = 13.32 (S_{GW} = 15.51, S_{SW} = 10.63, S_A = 13.33)
S_{FE} = 0.00
S_{DC} = 50.00



Looking northeast at Casper Creek from K-Mart parking lot. Leachate is visibly discoloring the stream where it has been diverted through a rip-rap-lined channel.

Ponded area of Casper Creek looking south from behind Mayflower building. Parking for Caldor's is in the upper right corner of photograph.

FIGURE 3-SITE PHOTOGRAPHS
Van De Water Property

2. PURPOSE

Task 1, Data Records Search and Assessment, of the Preliminary Site Assessment (PSA) was conducted at the Van De Water Property site, Site No. 314040, in the Town of Poughkeepsie, Dutchess County, New York by URS Consultants under contract to the New York State Department of Environmental Conservation (NYSDEC) Superfund Standby Contract (Contract No. D002340, Work Assignment No. D002340-3).

The Van De Water Property site (Figure 1) is a suspected inactive hazardous waste site recognized by NYSDEC. This site is currently classified as Class 2a because there is insufficient information to assess the significance of potential risks to public health or the environment. The purpose of a PSA is to provide the information for NYSDEC to reclassify the site according to the following classifications:

- Class 2- Hazardous waste sites presenting a significant threat to the public health or the environment.
- Class 3- Hazardous waste sites not presenting a significant threat to the public health or the environment
- Delist-Sites where hazardous waste disposal can not be documented.

47-15-25 (11/90)—9d

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION

Original—BHSC
Copy—REGION
Copy—DEE
Copy—DOH
Copy—PREPARER

ADDITIONS/CHANGES TO REGISTRY OF INACTIVE HAZARDOUS WASTE DISPOSAL SITES

1. SITE NAME	2. SITE NO.	3. TOWN	4. COUNTY
Van De Water Property	314040	Poughkeepsie (T)	Dutchess

5. REGION	6. CLASSIFICATION	7. ACTIVITY
3	Current 2a /Proposed ____	☐ Add ☐ Reclassify ☐ Delist ☐ Modify ____

8a. DESCRIBE LOCATION OF SITE (Attach U.S.G.S. Topographic Map showing site location)
Take Route 44 East out of the City of Poughkeepsie; turn left onto Burnett Road about 1 mile past the city limits to access the southern part of the site, the location of Caldors, K-Mart, and Roe Movers. Take Route 44 East out of Poughkeepsie; turn left onto Taft Rd about one half mile past city limits; Van Wagner Road north, turn right before RR grade to access northern portion of site.

b. Quadrangle Poughkeepsie c. Site Latitude 41°42'10"N Longitude 73°53'20"W d. Tax Map Number 14-6262-03
14-6261-01

9a BRIEFLY DESCRIBE THE SITE (Attach site plan showing disposal/sampling locations)
The Van de Water property was leased to the Town of Poughkeepsie for a municipal landfill. Operations in the 1940's and 50's were not recorded. Inspection reports from the 1960's and 70's are available. The southern portion of the site is now commercially developed, while the northern portion contains a radio station. Most of the property was once owned by John and Robert (now deceased) Van de Water of 54 Market Street, Poughkeepsie, NY 12602, (914) 452-8420.

b. Area 120 acres c. EPA ID Number NYD980535447 d. PA/SI ☒ Yes ☐ No

e. Completed: ☐ Phase I ☐ Phase II ☒ PSA ☐ Sampling

10. BRIEFLY LIST THE TYPE AND QUANTITY OF THE HAZARDOUS WASTE AND THE DATES THAT IT WAS DISPOSED OF AT THIS SITE
Tetrachloroethene residue, EPA waste code F002, in powder form from 1963 to closing of landfill about 1971. 50 lbs/yr x 9 years = 450 lbs. Other industrial users of the site may exist.

11a. SUMMARIZED SAMPLING DATA ATTACHED
☐ Air ☐ Groundwater ☐ Surface Water ☐ Soil ☐ Waste ☐ EP Tox ☐ TCLP.
no analytical data
b. List contravened parameters and values

12. SITE IMPACT DATA
a. Nearest surface water: Distance 0 ft. Direction on site Classification D
b. Nearest groundwater: Depth 1-3 ft. Flow Direction southwest ☐ Sole Source ☐ Primary ☐ Principal
c. Nearest water supply: Distance unknown ft. Direction ____ Active ☐ Yes ☐ No
d. Nearest building: Distance 0 ft. Direction on site Use shopping center
e Crops or livestock on site? ☐ Yes ☒ No
f Exposed hazardous waste? ☐ Yes ☒ No
g. Controlled site access? ☐ Yes ☒ No
h Documented fish or wildlife mortality? ☐ Yes ☒ No
i Impact on special status fish or wildlife resource? ☒ Yes ☐ No
j. Within a State Economic Development Zone? ☐ Yes ☒ No
k. For Class 2a: Code ____ Health Model Score ____
l. For Class 2: Priority Category ____
m. HRS Score Sm = 13.32 SFE = 0.00, SDC=50.00
n Significant Threat ☐ Yes ____ ☐ No ☒ Unknown

13. SITE OWNER'S NAME	14. ADDRESS	15. TELEPHONE NUMBER
multiple owners - see EPA site	inspection form	( )

16 PREPARER
Virginia Ursitti Wolfanger, Scientist, URS Consultants
Name, Title and Organization
4/10/91
Date
Virginia Ursitti Wolfanger
Signature

17 APPROVED
Name, Title and Organization
Date
Signature

Looking north at northern portion of site where spring clean-up material from the Town of Poughkeepsie was deposited in trenches. Scraps of metal, wood, and plastic are visible on the ground surface.

Looking southeast at mounded fill which was redeposited during the construction of Caldor's.

FIGURE 3-SITE PHOTOGRAPHS
Van De Water Property

3. SCOPE OF WORK

The Preliminary Site Assessment, Task I, investigation at the Van De Water Property site between Route 44 and Van Wagner Road comprised several interrelated tasks as follows:

File Reviews

An extensive data search was conducted, utilizing both site-specific and regional sources. This information was compiled from existing data as well as new sources, and a preliminary characterization of the site was developed. A number of sources were contacted for information, including, but not limited to:

- Visit to the central NYSDEC office in Albany to conduct a file search (6/14/90). (518) 457-9538. General files.

- Visit to the NYSDEC Region 3 office

  - Keith Browne, Junior Engineer, Hazardous Waste Remediation (10/15/90). (914) 255-5453

- Visit to Dutchess County Department of Health to conduct a file search (10/15/90). (914) 431-1644

- Visit to Town of Poughkeepsie Engineering Office to review aerial photographs

  - Russell King, Assistant Town Engineer (10/15/90). (914) 485-3638

Site Inspection

A site inspection was conducted on October 15, 1990 in order to assess the site's surface characteristics, observe evidence, if any, of hazardous substances present, photograph the site, conduct preliminary air monitoring using a PID (HNu) and a radiation meter, and confirm information obtained from the initial data search. During the 1 hour site inspection, no readings above background level were noted on any instruments. A USEPA Site Inspection Report (EPA Form 2070-13) and the NYSDEC " Additions/Changes to the Registry of Inactive Hazardous Waste Disposal Sites" were completed following the site inspection.

The site inspection was conducted by the following personnel:

NAME	TITLE	AFFILIATION
Robert Kreuzer	Geologist	URS Consultants, Inc.
Keith Browne	Junior Engineer	NYSDEC Region 3

The site is the present location of two large shopping centers, Caldor's (also known as 44 Plaza) and K-Mart; two moving companies, and WKIP radio station.

The complex drainage pattern of Casper Creek and its tributaries was observed during the visit. Leachate was observed to be discoloring several drainage ditches around the K-Mart parking lot. PID readings were taken at these leachate sightings and in culverts. No readings above background, were detected. There is a visibly mounded area of the site north of Caldors where refuse was placed after excavation for the building of the plaza.

Access to the northern part of the site is from Van Wagner Road. This portion of the site is vacant, and fill was visible, including broken pieces of metal, wood, and plastic due to inadequate cover. A monitoring

well installed for the Shatz Federal Bearings RI/FS was observed in the northern section near the Conrail railroad tracks.

4. SITE ASSESSMENT

4.1 Site History

The Town of Poughkeepsie operated a municipal dump on the land generally referred to as the Van De Water property located on the north side of Route 44 and south of Van Wagner Road where it crosses the railroad right-of-way. There are three areas of concern.

The first area of concern is the Old Town of Poughkeepsie Landfill on the southern portion of the site directly north of Route 44. This tract of land is now the site of 44 Plaza (Caldor's) and K-Mart. This area had been used since the 1940's (Ref. 1), and possibly earlier, for refuse dumping and burying by both the Town and the City of Poughkeepsie. Burning of waste at this site occurred through the 1950's, according to eye witnesses (Refs. 2 and 3). In 1967, the Town and City of Poughkeepsie submitted to the Dutchess County Health Department (DCHD) a refuse landfill plan for a portion of this site (Ref. 4a). Fill was established as far north as the land adjacent to the WKIP radio station (Ref. 4b) on both sides of the Casper Creek. There were many problems associated with these operations as cited by the DCHD during site inspections (Ref. 4) including refuse being placed in the creek for use as a road to cross the creek and lack of cover (Ref 4c).

As part of the development of the site, refuse was excavated and moved to the north of Caldor's in 1971. This portion of the site is now visibly mounded. This activity also had associated with it many problems including, lack of cover, the rerouting of a classified stream through refuse, and complaints of a severe odor problem. There were no fewer than three orders from the DCHD to cease operations during April and May, 1971 (Ref. 4d), each time rescinded pending the following of proper procedure. Eventually, the work was finished and the plaza constructed. Apparently,

by this time, landfilling operations had ceased on the southern portion of the former Van De Water property.

The exact date of closure of the sanitary landfill on the southern portion of the site was not found in the file search or determined through telephone conversations with local officials. However the DCHD correspondence file search produced memoranda from which an approximate closing date can be inferred. A January 1969 site inspection report (Ref. 4k) refers to current landfilling operations, while a June 1971 letter refers to the site as "the former landfill" (Ref. 4m). A letter from March 1970 (Ref. 4l) refers to obtaining cover for the landfill operations, but in April 1972 (Ref. 4n) a site inspection report refers to uncovered refuse in the area of redeposition (north of Caldor's) as well as in another area of the site. Based on these findings we believe that operations at the landfill ceased in 1971.

The second area of concern is north of the radio station accessed from Van Wagner Road, also on property formerly owned by the Van De Waters and now owned by Thomas and Betty Espie (Ref. 5). The Town of Poughkeepsie operated this site as a disposal site for spring clean-up materials and tree trimmings and yard wastes from 1976 or earlier (Ref. 4e) through at least 1984 (Ref. 6). This site is now inactive. Problems with this site were noted by the DCHD, including the deposition of waste into groundwater-filled trenches. The DCHD determined this activity to pose a public hazard and requested that excavations be filled.

A possible third area of concern at the Van De Water site is the area operated as a sanitary landfill from 1964 to 1968 as an emergency measure by the Town of Poughkeepsie upon the closure of the landfill on the grounds of the former Hudson River State Psychiatric Center in the Town of Poughkeepsie (Ref. 7). It is unclear if this area is part of the previously discussed southern or northern portions of the site or if this is a separate area of fill. Another reference to Van De Water property

near the radio station cites open, presumably unauthorized, dumping occurring on the property (Ref. 8).

The entire site is associated with municipal dumping; however, some evidence of hazardous waste deposition has been documented in a Hazardous Waste Disposal Questionnaire completed by Scheer and Gold (doing business as Johnny-on-the-Spot) (Ref. 9) citing the deposition of tetrachloroethene residues to the Town of Poughkeepsie municipal garbage collection from 1963 through the life of this site's activity, probably ending in 1971. Considering the age of the site, the presence of industry in the Town and City of Poughkeepsie, and problems with operations cited in the county files, it is likely that the site also received additional hazardous waste.

4.2 Site Topography

The entire area of concern is roughly 120 acres in size. While the exact area of fill is unknown, URS has estimated from aerial photographs that it comprises approximately 75% of the total acreage, mostly occupying the southern portion of the site. The southern border is Route 44, the eastern border is the former railroad tracks, the northern border is where the tracks cross Van Wagner Road, and the western border is a line approximately parallel with the west branch of Casper Creek at its western most point. The entire site is covered by either development or vegetation, although vegetation is sparse at the northern fill site off Van Wagner Road.

The southern portion is accessed from Dutchess Parkway (Route 44) on the south, or Friendly Lane from the west. K-Mart, Caldor's, Roe Movers, and a Mayflower agency are all developed on this portion. K-Mart and Caldor's are located in areas of fill, while Roe Movers is reportedly located on a clean area (Ref. 4g). It is uncertain whether the Mayflower building is located on a landfilled tract. The northern portion of the

site is accessed by Van Wagner Road on the northwest. The WKIP radio station is also located on this portion of the site.

The site is mostly flat with a slope of 0-3% and is located on the 100-year flood plain of Casper Creek (Ref. 20) at an elevation of approximately 150 feet above mean sea level. The area immediately surrounding the site is residential to the east and west, while office buildings occupy the area south of the site. North of the site are three NYSDEC designated wetlands. The deposition of materials originally occurred in a wetland area on site.

To the northeast on Van Wagner Road, is the Class 2 New York State Inactive Hazardous Waste Site Schatz Federal Bearing #314003. As part of the remedial investigation for the Schatz Federal Bearing site, a downgradient monitoring well was installed north of the pond forming the headwaters of the west branch of Casper Creek. This well was tested and found to be uncontaminated (Ref. 10), and may be valuable as an upgradient well for the Van De Water investigation.

The surrounding population of this part of Dutchess County is urban and suburban to the west, and rural with small developments to the east. The entire City of Poughkeepsie with its population of approximately 30,000 is within a three mile radius of the site. There is a total population of 51,250 within a three-mile radius, most of whom are connected to municipal water supply.

4.3 Site Hydrology

The geology of the area is characterized by glacial deposits overlying sedimentary bedrock. The bedrock underlying this site is of the Austin Glen formation (Ref. 14) consisting of shale and graywacke formed during the Middle Ordovician period.

The overburden in the vicinity of the site consists, in some areas, of unstratified glacial till and, in other areas, of fluvial sand and gravel. Bedrock in the area is often exposed or within one meter of the surface (Ref. 23). Beds of sand and gravel in Dutchess County are associated with beds of silt and clay, and the extent of the deposits varies considerably within short distances (Ref. 13). Of two test pits dug in the northern portion of the site in 1977, one showed 12 feet of clay without hitting bedrock or a water-bearing zone. The other uncovered 2 feet of clay loam and 7 feet of loamy sand before hitting bedrock at 9 feet (Ref. 4h).

The southern portion of the site is classified by the US Soil Conservation Service as Urban Land. Urban Land is defined as covered with man-made structures and buildings, concrete, asphalt, and other impervious materials. The northern portion of the site is classified as Udorthents, wet substratum (Ref. 15). This soil series is described as consisting of deep, somewhat poorly drained to moderately well drained soil in low areas that have been excavated or filled. The soil material, though variable, is dominantly loamy. Wayland series soils are present along Casper Creek consisting of poorly drained silt loam formed in recent alluvial material (Ref. 15). Adjacent to the site on the west is the Dutchess-Cardigan-Urban land complex in a residential area. These soils are described as well-drained silt loam soils formed in glacial till underlain by shale bedrock encountered anywhere from 1.5 to over 5 feet. Rock outcrops are common within the Dutchess-Cardigan-Urban soils.

Groundwater Hydrology

Regional studies of groundwater resources have identified the overburden sand and gravel deposits as the most productive water-bearing zone, with wells averaging 318 gpm. Glacial till produces little water and only from large-diameter dug wells. Consolidated deposits yield an

average of 17 gpm depending on the size, abundance, and continuity of joints, faults, and bedding planes occurring in the bedrock (Ref. 13).

The Seitz Terrace well (DU438), approximately 2,000 feet west of the site, obtained water for approximately 100 persons in 1961. It is unknown whether this is still used as a potable water supply. The depth to bedrock was 2.5 feet from the surface at an elevation of approximately 180 feet above mean sea level. The well was drilled to a depth of 180 feet from the ground surface and water was encountered in the Hudson River formation at 8 feet below land surface, and the well yielded 30 gpm (Ref. 13).

Most of the population in the immediate area, including the entire City of Poughkeepsie and most of the Town of Poughkeepsie located in urbanized areas is supplied by municipal water. Of 51,250 persons within a three-mile radius of the site, approximately 9,229 are dependent on groundwater for a potable water supply (Refs. 11 and 12). The US Census does not contain the locations of these wells. Contacts with Town of Poughkeepsie personnel were made in an attempt to locate nearby private wells which was not successful (Refs. 23 and 24). Regional bedrock groundwater flow is assumed to be in a southwest direction toward the Hudson River (Ref. 25). The seasonal high water table in the glacial deposits is reported to be 1-3 feet below the ground surface from October through July (Ref. 15), although test holes dug to depths of 9 and 12 feet on the northern portion of site in May, 1977 showed no water in the overburden. There is no site specific information concerning the underlying bedrock, except that it was encountered at 9 feet at one location in the northern portion of the site.

Surface Water Hydrology

The site is located in the Hudson River drainage basin. Casper Creek, a Class D stream, flows south in two branches through the site.

This stream has been diverted through culverts in developed areas on site and south of the site. Seven miles downstream it enters the Hudson River. Much of the acreage near the site is wetland, the nearest NYSDEC regulated wetland being PK-5 located 500 feet northeast and upstream of the site. NYSDEC wetland PK-18 is approximately 6,500 feet downstream and south of the site (Ref. 16). The Hudson River is located three miles west of the site, and is the location of the water intakes for the Town and City of Poughkeepsie municipal water supply (Ref. 17).

Surface water contamination is of concern as leachate seeps have been observed during site inspections.

4.4 Contamination Assessment

The Town and City of Poughkeepsie dump operations off Route 44 consisted of burning an unknown composition of waste in the 1940's through 1960's on property owned by the Van De Waters. The landfilling had begun by 1964 in unlined excavations of unknown depth. There are several large and small industries in the Poughkeepsie area which historically may have disposed of hazardous waste with the municipal collection service, or independently into the dump.

An RTK Hazardous Waste Disposal Questionnaire was filed by Scheer and Gold (DBA Johnny-on-the-Spot) claiming the disposal of tetrachloroethene residue (hazardous waste code F002, spent halogenated solvent) in powder form to the Town of Poughkeepsie disposal site via town garbage collectors at the rate of 50 pounds per year from 1963 through 1971 when the sanitary landfill was last active (Ref. 9).

The northern portion of the site off Van Wagner Road was excavated in trenches 10-15 feet deep and 300 feet long (Ref. 4). Spring clean-up debris and garbage were deposited here in water-filled trenches, and it

was the site of unauthorized dumping easily accessed by trespassers, including children (Ref. 6).

No analytical testing has been done for this site. Groundwater is potentially threatened as waste was deposited in water filled trenches, the soils have a relatively high permeability, and groundwater is fairly close to the surface. A previous report of the WKIP radio station well being contaminated has not been corroborated by this investigation. Neither the owner of the property nor the Town Engineer have knowledge of a well on that property. The radio station is supplied with municipal water, although bottled water is used for drinking at the station (Ref. 18).

Surface water is stained with leachate near the K-Mart parking lot, and leachate has been observed at various locations on site continuously since the 1960's when site inspection records were kept. Casper Creek is a Class D stream used downstream for recreational fishing. The creek runs through a state regulated wetland (PK-18) 6,500 feet downstream.

Methane gas at a concentration of 600 ppm was recorded in 1983 during a site inspection. This reading was recorded over the mound of fill that was excavated from the plaza construction and placed north of Caldors. PID monitoring during the current investigation did not detect any volatiles in the air.

There is potential for on-site soil contamination from contact with waste and for off-site soil contamination from migration of contaminants from surface water run-off.

The Significant Habitat Unit of NYSDEC has identified the historic presence of a threatened species, Blanding's Turtle (Emydoidea blandingii), in the vicinity, and therefore any contamination of the area may affect a significant habitat (Ref. 19).

5. ASSESSMENT OF DATA ADEQUACY AND RECOMMENDATIONS

5.1 Hazardous Waste Deposition

Scheer and Gold acknowledges the deposition of tetrachloroethene residues with a hazardous waste code of F002 in powder form in the Town of Poughkeepsie's landfill through municipal garbage collection. Due to the age of the facility, past disposal practices, the lack of any records on the site prior to 1967, and the prevalence of industry in the immediate area, it is likely that other hazardous waste had been disposed of at the Van De Water Property site. It is documented that municipal solid waste was burned and landfilled there, and unauthorized dumping also occurred on the site. Documentation includes an RTK Hazardous Waste Disposal Questionnaire documenting hazardous waste disposal filed at the NYSDEC in Albany, Dutchess County Health Department correspondence and site inspections, and USEPA site inspection forms.

5.2 Significant Threat Determination

Although there has been no analytical data collected from this site, the proximity of the site to residences, the regional use of groundwater for drinking water supply, and the heavy use of portions of the site for shopping centers show that any hazardous waste present poses a potential threat to residents of the area.

The ecological system may also be affected by this site, as the stream on site is classified as a Class D stream (fish survival and fishing). State protected wetlands and a threatened species of turtle previously collected in the vicinity also may be affected.

5.3 Recommendations

The lack of analytical and hydrogeologic data collected from this site prevents reclassification of this site at this time; however, the evidence of hazardous waste disposal, the likelihood of other hazardous waste disposal by area industries, and the potential threat to humans and the ecological setting, warrant further investigation of the site.

Specific recommendations include:

- Seven monitoring wells to be installed near the perimeter of the site to assess possible groundwater contamination and determine the direction of groundwater flow in the water-bearing zone. Four of these should be placed on the east perimeter of the site along the edge of fill. During the Schatz Federal Bearing RI/FS, a monitoring well was installed at the northern edge of this site. This existing well may be used as an upgradient well. Groundwater samples should be taken from each well and analyzed for TCL parameters according to NYS ASP.

- Subsurface soil samples to be taken at well installations and analyzed for all TCL parameters.

- Subsurface soil/waste samples to be collected at eight locations within the area of assumed limit of fill. Waste samples would be analyzed for RCRA Hazardous Waste Characteristics including TCLP and EP Tox, as well as for TCL parameters according to NYS ASP.

- Surface water and sediment samples to be taken from Casper Creek and its ponded areas, and background samples taken from NYSDEC wetland PK-5 and from the pond at the northern portion

of the site. Additional samples should be taken in areas discolored by leachate if observed in the field. All samples would be analyzed for full TCL parameters according to NYS ASP.

- A geophysical investigation to be conducted utilizing EM-31 terrain conductivity to establish the limits of the fill and to locate any contaminant plumes.

APPENDIX A

References

APPENDIX A

REFERENCES

1. Ruff, D., Director of Environmental Health, Dutchess County Health Department. Telephone conference with V.U. Wolfanger (URS), 3/11/91.

2. Moloney, P., Town Engineer, Town of Poughkeepsie. Telephone conference with V.U. Wolfanger (URS), 4/3/91.

3. Cibelli, C., Deputy Town Clerk, Town of Poughkeepsie. Telephone conference with V.U. Wolfanger (URS), 4/4/91.

4. Dutchess County Health Department (DCHD) files, Poughkeepsie, New York.

   a. Correspondence, Town and City of Poughkeepsie to DCHD, 8/16/67. Proposed refuse landfill plan.
   b. Memo, D. Ruff to H. Scoralick, 2/26/69.
   c. Memo, D. Ruff to H. Scoralick, 1/27/69.
   d. Order to cease operations, 4/15/71.
   e. Memo of site inspection, D. Ruff, 4/2/76.
   f. Correspondence, D. Ruff to Town of Poughkeepsie, 9/20/77.
   g. Correspondence, DCHD to Town of Poughkeepsie, 6/3/80.
   h. Memo of site inspection, D. Ruff, 5/5/77.
   i. Memo of site inspection, M. Fein, 4/8/71.
   j. Correspondence, DCDH to Town of Poughkeepsie, 5/14/76.
   k. Memo of site inspection, D. Ruff, 1/21/69
   l. Correspondence, P. Letterii to DCHD, 3/30/70
   m. Correspondence, E. Schneler to DCHD, 6/29/71
   n. Memo of site inspection, E.W. Adams, 4/12/72

5. County Clerk, Office of Real Property, Dutchess County. Telephone conferences with V.U. Wolfanger (URS), 4/3/91.

6. Wehran Engineering, P.C., for NYSDEC. Phase I Investigation Report, Van De Water Property. September, 1984.

7. Van De Water, R. to NYSDEC, Albany. Correspondence, 7/21/83.

8. Van De Water, R. to Town of Poughkeepsie. Correspondence, 8/3/72.

9. NYSDEC, 1984. RTK #9029, Scheer and Gold, Hazardous Waste Disposal Questionnaire.

10. Browne, K., NYSDEC Region 3, Hazardous Waste Remediation. Telephone conference with V.U. Wolfanger (URS), 4/10/91. Also, site inspection with R. Kreuzer (URS) 11/15/90.

11. NYSDOT Topographic Maps, 7.5 Minute Series. Poughkeepsie Quadrangle 1989; Pleasant Valley Quadrangle, 1989.

12. U.S. Bureau of the Census, 1980. Census of Population and Housing. Including Detailed Housing Characteristics.

13. Simmons, E.T., et al, Geologists, USGS. Ground-Water Resources of Dutchess County, New York. USGS and New York State Department of Conservation Bulletin GW-43; Albany, New York, 1961.

14. New York State Museum and Science Service. Geologic Map of New York, Maps and Chart Series No. 15, 1970.

15. Unites States Department of Agriculture, Soil Conservation Services, Soil Survey of Dutchess County, New York, 1990.

16. Speidel, R., NYSDEC Region 3, letter to V.U. Wolfanger (URS), surface water classifications, 3/7/91.

17. City of Poughkeepsie Water Department. Telephone conference with V.U. Wolfanger (URS), 4/3/91.

18. Novik, R. President, WKIP Radio. Telephone conference with V.U. Wolfanger, 4/8/91.

19. Buffington, B., NYSDEC Significant Habitat Unit, Letter to P. Rettke (URS), 2/27/91.

20. Federal Emergency Management Agency. Flood Insurance Rate Map (FIRM), Town of Poughkeepsie, New York, Panel #361142 005B. August 2, 1990.

21. Conrad, S., Soft rock geologist and sedimentologist, Vassar College, Poughkeepsie, New York. Telephone conference with V.U. Wolfanger (URS), 4/3/91.

22. NUS Corporation, EPA Site Inspection Report #NY D020659363, Van De Water Property, 5/10/83.

23. King, R., Town of Poughkeepsie Engineering Department. Telephone conference with V.U. Wolfanger (URS), 2/11/92.

24. Andros, F., Town of Poughkeepsie Water Department. Telephone conference with V.U. Wolfanger (URS), 2/12/92.

25. Gibbons, T., Project Manager, NYSDEC. Telephone conference with V.U. Wolfanger (URS), 2/10/92.

APPENDIX B

Site Inspection Report
USEPA Form 2070-13

Site Inspection Report

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	314040

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
Van De Water Property, 44 Plaza	off Van Wagner Rd., North of Route 44

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
Town of Poughkeepsie	NY	12603	Dutchess		

09 COORDINATES LATITUDE	LONGITUDE
41 42 10.N	073 53 20.W

10 TYPE OF OWNERSHIP (Check one)
☒ A. PRIVATE ☐ B. FEDERAL _____ ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
☐ F. OTHER _____ ☐ G. UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION	02 SITE STATUS	03 YEARS OF OPERATION
11, 15 90 (MONTH DAY YEAR)	☐ ACTIVE ☒ INACTIVE	1940's (BEGINNING YEAR) 1980's (ENDING YEAR) ___ UNKNOWN

04 AGENCY PERFORMING INSPECTION (Check all that apply)
☐ A. EPA ☐ B. EPA CONTRACTOR _____ (Name of firm) ☐ C. MUNICIPAL ☐ D. MUNICIPAL CONTRACTOR _____ (Name of firm)
☒ E. STATE ☒ F. STATE CONTRACTOR URS Consultants (Name of firm) ☐ G. OTHER _____ (Specify)

05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO.
Robert Kreuzer	Geologist	URS Co.	(716)856-5636
09 OTHER INSPECTORS	10 TITLE	11 ORGANIZATION	12 TELEPHONE NO.
Keith Browne	Jr. Engineer	NYSDEC	(914)255-5433
			( )
			( )
			( )
			( )

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO
			( )
			( )
			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
☒ PERMISSION ☐ WARRANT	12 noon	Sunny, 60° F

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO.
Virginia Ursitti Wolfanger	URS Consultants	(716)856-5636

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE
Same				1, 15, 91 (MONTH DAY YEAR)

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	314040

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- ☒ A. SOLID
- ☒ B. POWDER, FINES
- ☐ C. SLUDGE
- ☐ D. OTHER (Specify)
- ☐ E. SLURRY
- ☐ F. LIQUID
- ☐ G. GAS

02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)

- TONS
- CUBIC YARDS: unknown
- NO. OF DRUMS

03 WASTE CHARACTERISTICS (Check all that apply)

- ☒ A. TOXIC
- ☐ B. CORROSIVE
- ☐ C. RADIOACTIVE
- ☒ D. PERSISTENT
- ☐ E. SOLUBLE
- ☐ F. INFECTIOUS
- ☐ G. FLAMMABLE
- ☐ H. IGNITABLE
- ☐ I. HIGHLY VOLATILE
- ☐ J. EXPLOSIVE
- ☐ K. REACTIVE
- ☐ L. INCOMPATIBLE
- ☐ M. NOT APPLICABLE

unknown

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS municipal solid waste
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS			
PSO	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS	450	lbs	tetrachloroethene residue
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
OCC	tetrachloroethene residue (F002)	NA	landfilled	unknown	

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

RTK Hazardous Waste Disposal Questionnaire #9029

Dutchess County Health Dept., (DCHD) files

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EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NY	314040

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: 9,229
02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Population within 3 mile radius using groundwater supplies.

01 ☒ B. SURFACE WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE: 11/15/90) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

URS Site inspection-leachate in drainage ditches ground K-Mart parking lot. 1983 Wehran Engineering observed staining on banks and leachate in Casper Creek of heavy red colors.

01 ☒ C. CONTAMINATION OF AIR
03 POPULATION POTENTIALLY AFFECTED: _____
02 ☒ OBSERVED (DATE: 4/27/83) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

NUS measured methane gas at a concentration of 600 ppm north of Caldors. Wehran Engineering described reports of odors in the basements and storerooms of K-Mart.

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS
03 POPULATION POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

None reported

01 ☒ E. DIRECT CONTACT
03 POPULATION POTENTIALLY AFFECTED: 51,250
02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Population within 3 miles of site. Site is location of two large shopping centers. Leachate observed in surface waters.

01 ☒ F. CONTAMINATION OF SOIL
03 AREA POTENTIALLY AFFECTED: 120 (Acres)
02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Size of the site

01 ☒ G. DRINKING WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: 9229
02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

population within 3 mile radius on well water

01 ☒ H. WORKER EXPOSURE/INJURY
03 WORKERS POTENTIALLY AFFECTED: unknown
02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Employees of commercial developments on site

01 ☒ I. POPULATION EXPOSURE/INJURY
03 POPULATION POTENTIALLY AFFECTED: 51,250
02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

population within 3 mile radius

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NY	314040

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
None reported

01 ☐ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (Include name(s) of species)
None reported, but a threatened species of turtle is reported to exist in the vicinity.

01 ☒ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
Leachate-stained surface water leaving site. Class D stream used for fishing downstream.

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES (Spills, Runoff, Standing liquids, Leaking drums) — 02 ☒ OBSERVED (DATE: 11/15/90) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION
leachate was observed in various drainage ditches around K-Mart parking lot during URS site inspection.

01 ☐ N. DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
none reported

01 ☒ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
1983 site inspection reported leachate near storm drain

01 ☒ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ☒ OBSERVED (DATE: 7/15/68) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
Dutchess County Health Dept. site inspection of Roe property., 8/3/72 letter citing unauthorized dumping on Van de Water property north of the radio station.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS
It is suspected that industries in the area may have contributed to the waste at the site.

III. TOTAL POPULATION POTENTIALLY AFFECTED: 51,250 with 3 mile radius

IV. COMMENTS
Southern portion of site is paved and commercially developed. Northern portion is mostly covered with vegetation.

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)
Dutches County Health Dept. files.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NY	314040

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
☐ A. NPDES				
☐ B. UIC				
☐ C. AIR				
☐ D. RCRA				
☐ E. RCRA INTERIM STATUS				
☐ F. SPCC PLAN				
☐ G. STATE (Specify)				
☑ H. LOCAL (Specify) Dutchess Co				authorized & inspected landfil
☐ I. OTHER (Specify)				
☐ J. NONE				

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE
☐ A. SURFACE IMPOUNDMENT		
☐ B. PILES		
☐ C. DRUMS, ABOVE GROUND		
☐ D. TANK, ABOVE GROUND		
☐ E. TANK, BELOW GROUND		
☒ F. LANDFILL	unknown	
☐ G. LANDFARM		
☐ H. OPEN DUMP		
☐ I. OTHER (Specify)		

04 TREATMENT (Check all that apply)

- ☐ A. INCENERATION
- ☐ B. UNDERGROUND INJECTION
- ☐ C. CHEMICAL/PHYSICAL
- ☐ D. BIOLOGICAL
- ☐ E. WASTE OIL PROCESSING
- ☐ F. SOLVENT RECOVERY
- ☐ G. OTHER RECYCLING/RECOVERY
- ☐ H. OTHER (Specify)

05 OTHER

- ☒ A. BUILDINGS ON SITE

06 AREA OF SITE

120 (Acres)

07 COMMENTS

Town of Poughkeepsie submitted refuse landfill plan to the County on 8/16/1967. Several site inspection reports for both north and south portions of site report various odor, cover, trenching, and accessibility problems.

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)

☐ A. ADEQUATE, SECURE ☐ B. MODERATE ☒ C. INADEQUATE, POOR ☐ D. INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC.

Waste was deposited with no liner or cover. Refuse and spring clean up material was dumped into water filled trenches in northern portion of site. Leachate has been observed on site since records were kept in 1960's

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: ☐ YES ☒ NO

02 COMMENTS

Waste is covered with pavement or vegetation, but the site is a heavily trafficked commercial development.

VI. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis, reports)

Site inspection

Town of Poughkeepsie files - Dutchess Co. Health Dept. site inspection reports.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	314040

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY (Check as applicable)

	SURFACE	WELL
COMMUNITY	A. ☒	B. ☐
NON-COMMUNITY	C. ☐	D. ☒

02 STATUS

ENDANGERED	AFFECTED	MONITORED
A. ☐	B. ☐	C. ☐
D. ☐	E. ☒	F. ☐

03 DISTANCE TO SITE

A. 3 (mi)
B. unknown (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one)

☐ A. ONLY SOURCE FOR DRINKING ☒ B. DRINKING (Other sources available) COMMERCIAL, INDUSTRIAL, IRRIGATION (No other water sources available) ☐ C. COMMERCIAL, INDUSTRIAL, IRRIGATION (Limited other sources available) ☐ D. NOT USED, UNUSEABLE

02 POPULATION SERVED BY GROUND WATER 9,229

03 DISTANCE TO NEAREST DRINKING WATER WELL unknown (mi)

04 DEPTH TO GROUNDWATER	05 DIRECTION OF GROUNDWATER FLOW	06 DEPTH TO AQUIFER OF CONCERN	07 POTENTIAL YIELD OF AQUIFER	08 SOLE SOURCE AQUIFER
1-3 (ft)	southwest	1-3 (ft)	457,920 (gpd)	☐ YES ☒ NO

09 DESCRIPTION OF WELLS (Including useage, depth, and location relative to population and buildings)

The locations of wells are unknown

10 RECHARGE AREA		11 DISCHARGE AREA	
☒ YES ☐ NO	COMMENTS: likely in permeable areas	☒ YES ☐ NO	COMMENTS: Groundwater may discharge to Casper Creek

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)

☒ A. RESERVOIR, RECREATION DRINKING WATER SOURCE ☐ B. IRRIGATION, ECONOMICALLY IMPORTANT RESOURCES ☐ C. COMMERCIAL, INDUSTRIAL ☐ D. NOT CURRENTLY USED

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME:	AFFECTED	DISTANCE TO SITE
Casper Creek	☒	on site (mi)
NYSDEC regulated wetland PK-18 (PK-5 upstream 0.1 mile)	☐	1.25 (mi)
Hudson River	☐	7.0 (mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN

ONE (1) MILE OF SITE	TWO (2) MILES OF SITE	THREE (3) MILES OF SITE
A. 8,418 NO. OF PERSONS	B. 29668 NO. OF PERSONS	C. 51,250 NO. OF PERSONS

02 DISTANCE TO NEAREST POPULATION

0.1 (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE

7807

04 DISTANCE TO NEAREST OFF-SITE BUILDING

0.1 (mi)

05 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within vicinity of site, e.g., rural, village, densely populated urban area)

To the west is the City of Poughkeepsie with a population of approximately 30,000. To the east is a relatively sparsely populated region. The Town of Poughkeepsie contains approximately 40,000 persons, half of which are in an urbanized area, and half of which are in a more rural area.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION
01 STATE: NY | 02 SITE NUMBER: 314040

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

☐ A. 10^{-6} – 10^{-8} cm/sec ☐ B. 10^{-4} – 10^{-6} cm/sec ☒ C. 10^{-4} – 10^{-3} cm/sec ☐ D. GREATER THAN 10^{-3} cm/sec

02 PERMEABILITY OF BEDROCK (Check one)

☐ A. IMPERMEABLE (Less than 10^{-6} cm/sec) ☐ B. RELATIVELY IMPERMEABLE (10^{-4} – 10^{-6} cm/sec) ☒ C. RELATIVELY PERMEABLE (10^{-2} – 10^{-4} cm/sec) ☐ D. VERY PERMEABLE (Greater than 10^{-2} cm/sec)

03 DEPTH TO BEDROCK	04 DEPTH OF CONTAMINATED SOIL ZONE	05 SOIL pH	
1.5 to 9 (ft)	10 (ft)	unknown	
06 NET PRECIPITATION	**07 ONE YEAR 24 HOUR RAINFALL**	**08 SLOPE**	
13 (in)	2.5 (in)	SITE SLOPE: 0-3 %	DIRECTION OF SITE SLOPE: south / TERRAIN AVERAGE SLOPE: 0-3 %

09 FLOOD POTENTIAL
SITE IS IN 100 YEAR FLOODPLAIN

10
☒ SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (5 acre minimum)

ESTUARINE	OTHER
A. NA (mi)	B. 1/4 (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)
NA (mi)
ENDANGERED SPECIES: _____

13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL/INDUSTRIAL	RESIDENTIAL AREAS; NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS PRIME AG LAND	AGRICULTURAL LANDS AG LAND
A. on site (mi)	B. 500 (mi)	C. NA (mi)	D. NA (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

The site is located in the Casper Creek Valley which is approximately 1250 feet wide. The 120-acre site is approximately 4,000 feet long from its southern boundary at the Dutchess Turnpike (Rte. 44) to its northern boundary at the railroad crossing of Van Wagner Road. This relatively flat area is surrounded by small hills on the north, east and west. Two branches of Casper Creek flow through the site draining wetlands to the north.

VII. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

USGS topographic quandrangle
Dutchess County soil survey
USEPA HRS Manual

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NY	314040

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER			
SURFACE WATER			
WASTE			
AIR			
RUNOFF			
SPILL			
SOIL			
VEGETATION			
OTHER			

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS
HNu PID	No readings above background levels 11/15/90
Radiation Meter	No readings above background levels 11/15/90

IV. PHOTOGRAPHS AND MAPS

01 TYPE ☒ GROUND ☐ AERIAL

02 IN CUSTODY OF URS Consultants, Inc.
(Name of organization or individual)

03 MAPS ☒ YES ☐ NO

04 LOCATION OF MAPS: USGS, tax maps/URS Consultants, 282 Delaware Avenue, Buffalo, 14202

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Site inspection 10/15/90
USGS 7.5 minute series topographic maps
Soil Survey of Dutchess County

Current Owner

Miron, Julie Kenneth & Steven E.;
Hyman, Greenspan & George Crevling
C.P.O. Box 1598
Kingston, NY 12401

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 7 - OWNER INFORMATION

I. IDENTIFICATION
01 STATE: NY | 02 SITE NUMBER: 314040

II. CURRENT OWNER(S)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE
Thomas & Betty Espie		831 Van Wagner Road		Poughkeepsie	NY	12601
WKIP Broadcasting Corp.		c/o WKIP Seneca, PO Box 1450		Poughkeepsie	NY	12603
McCollister's Moving & Storage of NY, Inc.		1 Tucker Drive		Poughkeepsie	NY	12603
Kimco Development Corp.		1044 Northern Blvd. PO Box C Attn: Noreen		Roslyn	NY	11576

PARENT COMPANY (If applicable)

08 NAME	09 D+B NUMBER	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE	12 CITY	13 STATE	14 ZIP CODE

III. PREVIOUS OWNER(S) (List most recent first)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE
Van de Water, Robert (deceased) & John		Mill & Garden Streets, PO Box	112	Poughkeepsie	NY	12602
Northside Properties, Inc.		c/o Leslie Roe, RD #1		Poughkeepsie	NY	

IV. REALTY OWNER(S) (If applicable, list most recent first)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Dutchess County Clerk, Real Property
Dutchess County Health Dept. correspondence files.

EPA FORM 2070-13 (7-81)

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	314040

II. CURRENT OPERATOR (Provide if different from owner)

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER

OPERATOR'S PARENT COMPANY (If applicable)

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)

01 NAME	02 D+B NUMBER
Town of Poughkeepsie	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
Rt. 44	

05 CITY	06 STATE	07 ZIP CODE
(T) Poughkeepsie	NY	12603

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD
1940's-1980's	Van De Water

PREVIOUS OPERATORS' PARENT COMPANIES (If applicable)

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

IV. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

DCHD files

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NY	304040

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

III. OFF-SITE GENERATOR(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
Town of Poughkeepsie		Scheer & Gold DBA Johnny-on-the-spot	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	**04 SIC CODE**	**03 STREET ADDRESS (P.O. Box, RFD #, etc.)**	**04 SIC CODE**
Rt. 44		736 Main Street	

05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE
Poughkeepsie	NY	12603	Poughkeepsie	NY	12603

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
City of Poughkeepsie			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	**04 SIC CODE**	**03 STREET ADDRESS (P.O. Box, RFD #, etc.)**	**04 SIC CODE**

05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE
Poughkeepsie	NY	12601			

IV. TRANSPORTER(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	**04 SIC CODE**	**03 STREET ADDRESS (P.O. Box, RFD #, etc.)**	**04 SIC CODE**

05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	**04 SIC CODE**	**03 STREET ADDRESS (P.O. Box, RFD #, etc.)**	**04 SIC CODE**

05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

DCHD files
Hazardous Waste Disposal Questionnaire (RTK #9029)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NY	314040

II. PAST RESPONSE ACTIVITIES

01 ☐ A. WATER SUPPLY CLOSED
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ B. TEMPORARY WATER SUPPLY PROVIDED
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ C. PERMANENT WATER SUPPLY PROVIDED
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ D. SPILLED MATERIAL REMOVED
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ E. CONTAMINATED SOIL REMOVED
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ F. WASTE REPACKAGED
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ G. WASTE DISPOSED ELSEWHERE
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ H. ON SITE BURIAL
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ I. IN SITU CHEMICAL TREATMENT
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ J. IN SITU BIOLOGICAL TREATMENT
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ K. IN SITU PHYSICAL TREATMENT
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ L. ENCAPSULATION
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ M. EMERGENCY WASTE TREATMENT
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ N. CUTOFF WALLS
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ O. EMERGENCY DIKING/SURFACE WATER DIVERSION
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ P. CUTOFF TRENCHES/SUMP
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

01 ☐ Q. SUBSURFACE CUTOFF WALL
04 DESCRIPTION
02 DATE _____ 03 AGENCY _____

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	314040

II PAST RESPONSE ACTIVITIES (Continued)

01 ☐ R. BARRIER WALLS CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☒ S. CAPPING/COVERING — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
Entire site is covered with pavement or vegetation

01 ☐ T. BULK TANKAGE REPAIRED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ U. GROUT CURTAIN CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ V. BOTTOM SEALED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ W. GAS CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ X. FIRE CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ Y. LEACHATE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ Z. AREA EVACUATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ 1. ACCESS TO SITE RESTRICTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ 2. POPULATION RELOCATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ 3. OTHER REMEDIAL ACTIVITIES — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NY	314040

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION ☒ YES ☐ NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

1. Dutchess Co. Health Dept. (DCHD) order to cease refuse moving operations 4/9/71.

2. DCHD order to cease excavating a channel to re-route Casper Creek, a class D stream, 4/15/71, as operations are a violation of surface water quality standards and Part 19 of the NYS Sanitary Code

3. DCHD order to cease refuse moving operations because odor caused public nuisance, 5/21/71. Order rescinded pending the following of proper procedure and avoiding complaints.

4. DCHD approved portion of site off Van Wagner Road (northern) for deposition of spring clean up refuse, 5/5/77.

5. DCHD request to fill in excavations at above site as they create a public hazard, 9/20/77.

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

DHCD correspondence files

APPENDIX C

Interview Documentation Forms

(1)

URS

AN INTERNATIONAL PROFESSIONAL SERVICES ORGANIZATION

JOB NO. 35231.00. JOB NAME Van De Water

MEMO OF TELECON

DATE 3/11/91 TELEPHONE 1-914-431-1644

PERSON CALLING V.U. Waghorne PERSON CALLED David Ruff

REPRESENTING URS REPRESENTING Director of Environmental Health - Dutchess County Health Department

PURPOSE OF TELECON AND/OR EQUIPMENT INVOLVED:

TEXT OF TELECON

Mr. Ruff was asked if any groundwater studies have been done that would help me with the investigation of the Van de Water site. I explained that the site was listed as 2a and that is why we were investigating.

Information from Mr. Ruff:

- no groundwater studies have been done in connection with that site, knows of no others
- no hazardous waste is on that site.
- town dump north of Route 44 in 1940's and 1950's. The fill placed here had been burned.
- north of plaza area is C&D debris with garbage filled on top
- north of that is a trenched area filled with spring cleanup ~~and~~ materials (old tires, etc.)
- sites worse than this have been delisted, so should this one.
- any other questions, call him back.

URS

AN INTERNATIONAL PROFESSIONAL SERVICES ORGANIZATION

JOB NO. 35231.00.10700 JOB NAME DEC Vandewater

MEMO OF TELECON

DATE 4/4/91 TELEPHONE 1-914-485-3620

PERSON CALLING V U Wolfangel PERSON CALLED Claire Cibelli

REPRESENTING URS REPRESENTING Deputy Town Clerk

PURPOSE OF TELECON AND/OR EQUIPMENT INVOLVED: Town of Poughkeepsie

TEXT OF TELECON

The site where K-Mart and Caldor is now located was used as an open dump since Ms. Cibelli moved to the Town in 1957. She cannot get to the records saying who owned the property but suggested I call the assessors office.

cc:

(3)

URS

AN INTERNATIONAL PROFESSIONAL SERVICES ORGANIZATION

JOB NO. 35231.00.0700 JOB NAME Vandewater DEC

MEMO OF TELECON

DATE 4/4/91 TELEPHONE 1-914-485-3638

PERSON CALLING V. Vilaffenger PERSON CALLED Pat Moloney

REPRESENTING URS REPRESENTING Town of Poughkeepsie

PURPOSE OF TELECON AND/OR EQUIPMENT INVOLVED: Town Engineer

Site History

TEXT OF TELECON

The VandeWater site includes from Route 44 north along railroad tracks to Van Wagner Road and south to Rte 44 again at a point east of Arlington Jr. High. This was all owned at one time by VandeWater. The northern section (north of radio station) was not used for much dumping except spring clean up.

Personal witness to burning of refuse on the southern section near Rte 44. Mr. Moloney reported office bldgs across the street needing to be evacuated when this burning occured and the wind carried the smoke south. This burning and dumping was occuring in the mid to late 1950's

4/9/91 - Mr. Moloney reported that town water services the WKIP radio station and he knows nothing of the existence of a well there.

(4a)

August 16, 1967

Dutchess County Department of Health
22 Market Street
Poughkeepsie, New York

Re: Town and City dump operation on Van DeWater site

Gentlemen:

As discussed in the field the attached map is to indicate our proposed Refuse Land Fill plan to commence operation as soon as possible. The first area involved is the pit at A. The refuse would be dumped on the southwestern face of the pit (a). Cover material would be obtained at b and applied six inches thick over the exposed area every night. This phase of the operation would proceed in a northeasterly direction until the entire pit is contoured as shown. The pond at c would be drained at the start of the operation. A clay dike would be built at d to the height of the fill section.

The second area involved consists of a series of trenches to be dug at B. These trenches would be 20--30 feet wide, separated by at least two feet of earth and 300 feet in length with a two foot fire wall every 100 feet. The material excavated from a ditch will be stored alongside the ditch and used every night to apply a six inch cover. The woods in area B would be cleared of trees and stumps ahead of the ditching operation. A two foot cover would be provided over the entire site.

Very truly yours,

R. D. Essert, Town Engineer R. D. Essert
K. Pearce, City Engineer K. Pearce

cc: Mr. R. Van DeWater
Mr. E. Schueler
Mr. T. Maurer
Mr. G. Pasco

(4b)

DUTCHESS COUNTY HEALTH DEPARTMENT

MEMORANDUM

TO: MR. SCORALICK

FROM: D. RUFF DR

SUBJECT: TOWN AND CITY OF POUGHKEEPSIE REFUSE DISPOSAL SITE

DATE: FEBRUARY ~~26~~ 24 1969

Conference held at above site among D. Ruff, John Nelson (City of Poughkeepsie Public Works), Joe Mihans (City of Poughkeepsie Public Works) and A. Oldaker (Town of Poughkeepsie Councilman). The purpose of the conference was to discuss methods to correct the deficiencies at the disposal site. The conference began at the disposal site in order for all present to obtain a visual picture of the operation and its deficiencies, and then was further resumed at the Town of Poughkeepsie Town Hall. The following points were discussed:

1. The most pressing problem is to obtain gravel and cover the refuse which has been used to build the road as it is necessary to proceed with the dumping on the east side of the Casper Creek. John Nelson was to immediately make arrangements for trucks and cover material. Cover material may be obtained from the Town gravel bank and can be loaded by the Town Highway Department equipment. John Nelson has also made arrangements with Arborio for cover, once the frost is out of the ground.

2. Joe Mihans will become the superintendent of the disposal site and will be directly responsible to John Nelson.

3. Arrangements will be made for the rental of additional equipment and the 977 will be overhauled.

4. The old dumping area adjacent to the radio station will be covered after the present dumping area is satisfied.

5. John Nelson will make arrangements for rental of a clam shovel to clear the Casper Creek.

6. Arrangements will be made by the Town and City to purchase the necessary equipment after recommendations by Mr. Mihans.

I further emphasized that a dike must be constructed and the stream bed defined at the northwest end of the dumpsite adjacent to the radio station, and further that the Casper Creek should be widened and cleared where it is adjacent to any refuse. I stated that the dump Superintendent should be given more say in the operation and be able to report directly to a responsible party, in order to insure proper operation of the disposal site. John Nelson will be the liaison for the present between Mr. Mihans and the City and Town.

2/27/69 - ~~Ground~~ Gravel cover is being hauled to the disposal site and a substantial portion of the road has been properly covered. I spoke with Mr. Mihans and informed him that no refuse shall be deposited closer to the Casper Creek than 25 ft. and to further work only a face with a width of about 25 ft. A dozer has been rented and was spreading the cover material.

DC:ADH 7

(4c)

DUTCHESS COUNTY HEALTH DEPARTMENT

MEMORANDUM

TO: MR. SCORALICK

FROM: D. RUFF

SUBJECT: TOWN AND CITY OF POUGHKEEPSIE REFUSE DISPOSAL SITE-
Van De Water Property

DATE: January 27, 1969

Made an inspection at above site today at approximately 2:00 p.m. and the following observations were made:

1. No covering of any refuse has been done.

2. Road of refuse across Casper Creek is approximately 150 feet long, 25 feet wide and 15 - 20 feet high.

3. Refuse which has spilled into Casper Creek has not been removed.

4. Only one piece of equipment (977 traxcavator) is working

Attached are three pictures which illustrate the dump conditions.

Picture 1 - Uncovered refuse at north end, west of Casper Creek. Refuse has not been covered for approximately 2 months.

Picture 2 - Uncovered refuse at north end, west of Casper Creek. Refuse at toe of slope is in water.

Picture 3 - Road of refuse across Casper Creek going from west side to east side.

DTR:es
atts.

DC:ADM 7

4d

County of Dutchess

Poughkeepsie, New York 12601

DEPARTMENT OF HEALTH

VERNON B. LINK, M.D., M.P.H.
Health Commissioner
ARTHUR J. ROBBINS, M.D.
Deputy Health Commissioner

May 19, 1971

Mr. Frank Eberhard
Eberhard Builders, Inc.
Freedom Plains Road
Poughkeepsie, New York

Re: Excavation and Deposition of Refuse
T. Poughkeepsie

AN ORDER BY THE COMMISSIONER OF HEALTH OF DUTCHESS COUNTY

Based upon facts and findings submitted to me by a representative of this Department and numerous written and verbal complaints, it has been determined:

THAT: The excavation and deposition of refuse at that property located North of Route 44 and South of Catskill Avenue in the Town of Poughkeepsie has created odor problems which are a public health nuisance in violation of the Public Health Law of the State of New York and Part 186 of 10 NYCRR.

Based on the foregoing and according to the Public Health Law of the State of New York, you are hereby Ordered to discontinue any further excavation and deposition of refuse at the aforementioned site and immediately suppress all odors by covering all exposed refuse with six inches of suitable cover.

Failure to abide by this Order will result in this Department pursuing immediate legal action.

Vernon B. Link, M.D.

VERNON B. LINK, M.D.
Commissioner of Health
County of Dutchess

vbl/dtr/aed

(4e)

DUTCHESS COUNTY HEALTH DEPARTMENT

MEMORANDUM

TO: File

FROM: D. T. Ruff

SUBJECT: Refuse Disposal, Van De Water Property, Town of Poughkeepsie

DATE: April 2, 1976

On March 31, 1976, Ellis Adams and I went to the above property located off Van Wagner Road to determine if refuse was being dumped on said property.

The property is designated on the Town of Poughkeepsie assessment rolls as parcel 6262-03, 095117, 190 Van Wagner Road and owned by John M. and Robert B. Van DeWater, 54 Market Street, Poughkeepsie, New York.

There was a large excavation varying from approximately 10-15' in depth and in area approximately 100' x 300'.

There was considerable water in the bottom of the excavations. The soil is clay with some blue clay.

Miscellaneous rubbish had been dumped consisting of plastic bags of garbage and leaves, tree trimmings, cans, bottles, cardboard, chains, tires and a sled.

On April 1, 1976, Jack Hill and I visited the property with Joseph Grogran and Wilson Shook of the Town of Poughkeepsie for purposes of evaluating for a landfill. At the time of our inspection, a Town of Poughkeepsie Highway Department truck dumped a load of brush and tree trimmings.

dtr/lb

NOTE BY VWW 4/9/91 (URS Co.):
parcel # could not be found as cited. 190 Van Wagner is listed as parcel #

DC: ADM 7
HD - 131

(4)

September 20, 1977

Mr. Stanley Still, Hwy. Supt.
Town of Poughkeepsie
Dutchess Turnpike
Poughkeepsie, N.Y. 12603

Re: Refuse Disposal
Van De Water Property
Town of Poughkeepsie

Dear Mr. Still:

On September 20, 1977, I conducted an inspection at the above noted facility.

Observed were two large excavations, one of which was filled to the top with water and floating debris and the other was partially filled with water with floating debris. It also appears the excavations are too deep. The condition of these excavations create a public health nuisance and are an extreme hazard.

It was my understanding that this property was only to be used for spring clean-up on a one-time basis.

I request that you take immediate steps to eliminate the conditions which now exist and fill in the excavations.

If you have any further questions, please contact me at 485 - 9706.

Very truly yours,
Jack R. Hill,
Public Health Administrator

by:
David T. Ruff,
Associate Sanitarian
Div. of Environ. Health Services

jrh/dtr/lb

cc: Mrs. A. Buchholz, Supervisor
T. Poughkeepsie

(4g)

June 3, 1980

Mr. Arthur La Pan, Building Inspector
One Overrocker Road
Poughkeepsie, NY 12603

- Town of Poughkeepsie
- Re: Roe Movers, Inc.
T. Poughkeepsie

Dear Sir:

This Department has conferred with Thomas Espie and Al Mauri representing Roe Movers, Inc. relative to the proposed construction of two (2) structures on the old VandeWater property in the vicinity of the former town of Poughkeepsie Municipal Landfill. Subsequent to this meeting, the writer observed deep test holes excavated by the applicant in the areas proposed for building construction. These areas apparently were not utilized for the deposition of refuse. Consequently, there is no objection to the issuance of building permits for these structures.

By copy of this letter, the applicant is notified that if, at any time during building construction and water and sewer line installation, refuse or solid waste is uncovered during excavation, such excavations shall cease and the writer be notified immediately.

Should you have any questions, please call the writer at 485-9707.

Very truly yours,
J. R. Hill
Public Health Administrator

Robert J. Vrana
Asst. Public Health Engineer
Div. of Environ. Health Services

cc: Wilson Shook, T. Poughkeepsie
Planning Dept.

Thomas R. Espie - Roe Movers
40 Arlington Ave., Poughkeepsie, NY

(4h)

DUTCHESS COUNTY HEALTH DEPARTMENT

MEMORANDUM

TO: File

FROM: David T. Ruff

SUBJECT: Town of Poughkeepsie Spring Clean-Up, Van De Water Property, T. Pok.

DATE: May 5, 1977

On May 5, 1977 I observed deep test holes at the above property.

One test hole along the entrance road was as follows:

2' - clay loam

7' - loamy sand, rock at 9'

The other test hole was as follows:

11' clay
1' blue clay
No water or rock

Called Stanley Still and reported results and advised that trench could be dug to 9' depth in area of 12' test hole.

dtr/lb

DC: ADM 7
HD - 131

(4i)

DUTCHESS COUNTY DEPARTMENT OF HEALTH

RECORD MEMO

To: File Date 4-8-71

From: M. Fein

Subject: Old Dump Site - Route 44 - Town of Poughkeepsie

Investigated above site above date accompanied by Town of Poughkeepsie Building Inspector, R. Lane.

Earth moving equipment operation had totally removed the compacted cover which had been previously placed on the garbage causing a pungent, mal-odorous, cloying effluvium to encompass a large surrounding area. The wind was blowing toward Catskills Ave. at the time of the inspection (2:15 - 3:00 P.M.) and both Mr. Lane and I noted the easily discernible distinctive emanation. Previous to our joint investigation we held a brief field conference with Mr. Henry Eberhard (Principal Builder-Contractor) who indicated that they would spread lime on the exhumed garbage to minimize the nuisance. No evidence of such was seen during our period of investigation.

It was also noted that the course of the Casper Kill creek is being changed. This is accomplished by a backhoe (Aborio) which had dug some three (3) to four (4) below existing grade. It was noted that the excavation depth was below the final grade of compacted cover and into the garbage by about two (2) feet. As quickly as the trench was opened water flowed into it. In most instances the garbage line was above the water line.

This is confirmation of telephone conference above date.

D. C. San 23

4j

May 14, 1976

Mrs. Anne Buchholz, Supervisor
Town Hall
Town of Poughkeepsie
Dutchess Turnpike
Poughkeepsie, New York 12603

Re: Refuse & Rubbish Disposal
Van De Water Property
Town of Poughkeepsie

Dear Supervisor Buchholz:

This Department has recently investigated the fact that the Town of Poughkeepsie used the Van De Water Property off Van Wagner Road for the disposal of refuse and rubbish (spring clean-up material).

On May 13, 1976, I visited the property and found the dumping area to be in a deplorable condition.

The refuse and rubbish has been dumped into water which may be found. In fact, because of the nature of the operation and presence of water, it is very difficult to properly cover.

This type of operation has created a potential mosquito breeding area and also promotes indiscriminate dumping by outside persons. The indiscriminate dumping has many serious ramifications such as water pollution, fire hazards, rodent infestations and just general unsightliness.

Please be advised that the Town of Poughkeepsie shall discontinue any further deposition of refuse and rubbish at any property which has not had prior approval of this Department and, further, that on or before May 28, 1976, to cover in a satisfactory manner, all refuse and rubbish

4k

DR. VASSALLO

D. RUFF

6. All TOWN AND CITY OF POUGHKEEPSIE REFUSE DISPOSAL SITE
VanDeWater Property
January 21, 1969

The Town and City of Poughkeepsie Refuse Disposal Operation has been getting progressively worse with each day's operation. Only one piece of equipment (977 trapcavator) is available for the disposal operation. The refuse that has been dumped during the past two months has not been covered, and further no dike has been constructed along parts of the east side of the Casper Creek. The dike is a necessity.

Work has begun in building a road across the Casper Creek in order to proceed with dumping on the west side of the creek. This road is being constructed with refuse and, therefore, the following problems have arisen:

1. The refuse has been deposited closer than 50 feet to the creek, in direct violation of the approval given by this Department for use of the west side of the Casper Creek. The dumping of this refuse has also resulted in refuse accumulation in the creek and further negating proper side slope cover without first installing additional pipe.

2. The Town of Poughkeepsie application for the use of the west side of the Casper Creek proposes to remove the pipe in the Casper Creek after filling the west side. The removal of this pipe will resultin the excavation of buried refuse and removal to another area for disposal.

Cover material is now being hauled to the disposal site by the Town Highway Department to be used at the road which is being constructed across the Casper Creek.

I am recommending that a letter be sent to or a meeting held with the Poughkeepsie City Manager and the Town of Poughkeepsie Supervisor regarding the disposal operation, to include the following:

1. The necessary equipment be provided to insure proper and efficient operation of the disposal site.

2. All exposed refuse be immediately covered and a dike be constructed where required along the east side of the Casper Creek.

3. The Casper Creek be immediately cleared of all debris.

4. Sufficient piping be done at the creek cross-over to insure proper covering of the side slope area.

5. All refuse be removed from within 50 feet of the Casper Creek.

(4K)

6. All refuse must be properly covered after each day's operation.

See attached memorandums dated November 21, 1968 and January 17, 1969 on conferences with Mr. Scheuler.

DTR: es

Note by VUW, 2/17/92:
The illegible writing showing through is not part of this document.

(41)

THE CITY OF POUGHKEEPSIE

NEW YORK

March 30, 1970

Dr. Vernon B. Link, Commissioner
Dutchess County Department of Health
Poughkeepsie, New York

Dear Dr. Link:

In order to bring forth all sides of the matter of the request of the McCann Foundation for surplus fill from the new City Hall excavation, as a member of the Golf Course Commission, I have set up a meeting in the office of the City Manager, Thursday, April 2, 1970 at 7:30 p. m.

The participating representatives of the Joint Land-Fill operation and the Dutchess County Health Department are specifically requested to attend, as the above-mentioned fill is presently scheduled to be used as cover at our Van Wagner Road sanitary land-fill.

The construction of the McCann Golf Course is considered most important to the City of Poughkeepsie, and we recognize too our responsibility to properly cover our land-fill.

I would therefor respectfully request your attendance at this meeting.

Yours very truly,

P. Letterii

Pasquale Letterii
Alderman

457-0486

cc: Mayor Fiore
Ald. Saintomas, Ald. Runza
Mr. J. Gartland
Mr. L. Greenspan
D. C. Health Dept.
Mr. J. Nelson
Mr. K. Pearce
Mr. E. Schueler
Mr. A. Oldecker
Mr. A B. Coons
Mr. J. Mulcare

EDWARD C. SCHUELER
SUPERVISOR

4m

Town of Poughkeepsie, New York

DUTCHESS COUNTY — OFFICE OF SUPERVISOR

June 29, 1971

Mr. Henry W. Scoralick, P. E.
Dir. of Environ. Sanitation
County of Dutchess
22 Market Street
Poughkeepsie, New York

Dear Mr. Scoralick:

I wish to thank you for meeting with me at the former landfill site off Route 44 last week. As yet, I have not been notified by Arborio that they have begun the swale at the northeast edge of the construction. You might recall, I agreed to use town forces simultaneously on the west side wherein we would push piles of material onto the open face bank in an effort to stem leeching.

Permit me to also remind you that you agreed, together with Mr. Ruff, that you would take unofficial readings from the Casper Creek at different locations in order to better know the conditions of this questionable creek.

Please be assured of our continuing cooperation.

Sincerely,

Ed

Edward C. Schueler
Supervisor

ECS:aks

4/17/72 Discussed with [illegible] [illegible] [illegible] [illegible] [illegible]. [illegible] need [illegible] the follow-up at this time. Citizens office will advise as to status.

(4n)

DUTCHESS COUNTY DEPARTMENT OF HEALTH

RECORD MEMO

To: David Ruff

Date April 12, 1972

From: E. W. Adams

Subject: Casperkill Creek & Eberhard problem, T. Pough.

As I see it, there are several un-resolved problems:

1. Leachate is entering the stream from both sides of the creek but more is entering from the side (east) where Eberhard moved the garbage and not adequate diking was provided.

2. The entire top of the re-deposited area is uncovered (perhaps the small amount of cover has eroded into the material or none was placed there). Odors are prevalent, which will grow worse as weather warms. An area in back of the parking lot behind Grants where a ~~dit~~ ditch was dug is also uncovered refuse.

3. No dike was provided for most of the area close to the stream and the slope is almost vertical instead of 1 on 2 as was required. This condition will invite erosion and subsequent uncovering of refuse.

D. C. San 23

4n

DUTCHESS COUNTY DEPARTMENT OF HEALTH

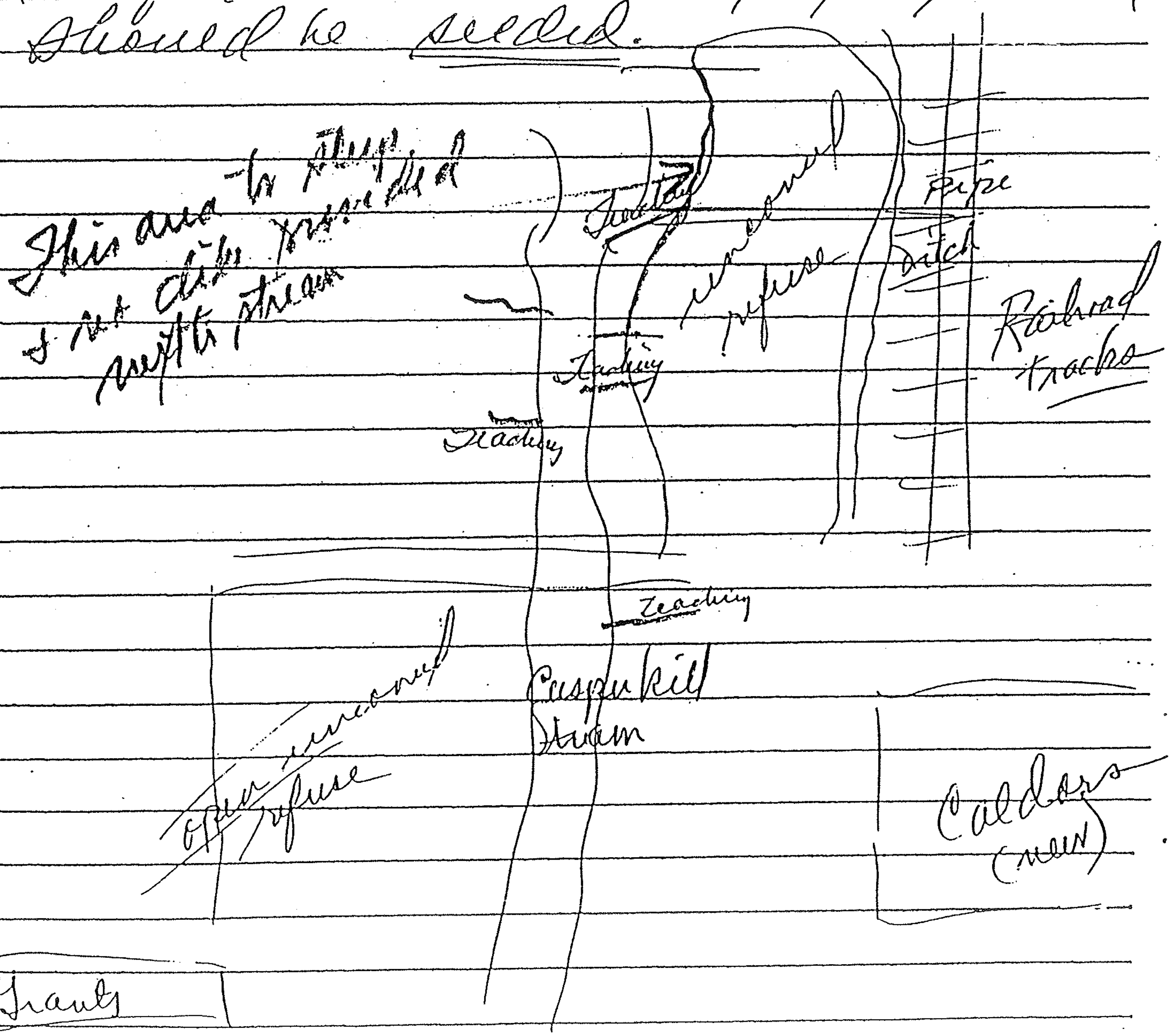
RECORD MEMO

To: Date

From:

Subject:

6. After entire area is properly covered it should be seeded.



URS

AN INTERNATIONAL PROFESSIONAL SERVICES ORGANIZATION

JOB NO. 35231.00.10700 JOB NAME Van de Water

MEMO OF TELECON

DATE 4/3/91 TELEPHONE 1-914-485-3644

PERSON CALLING V U Wolfmeyer PERSON CALLED Ellen

REPRESENTING URS REPRESENTING Town Assessor's Office

PURPOSE OF TELECON AND/OR EQUIPMENT INVOLVED: Town of Poughkeepsie

TEXT OF TELECON

No ability to find out who ~~owned~~ owned these pieces of property in the past.

* - Also called County Clerks office, Real property and records room. This information cannot be obtained without searching the deeds. This entails hiring someone to do a title search. County personnel can look at title for $5 per two years searched. Owner information attained

4/9/91 Tax Map No. 22, Block 74, Lot 47 property of Northside Properties Inc., c/o Leslie Rae, was located at 21 Springside Ave. which is not located on site, but was in the area of the Route 55/44 arterial which probably occupied that property.

DEF file reg 3 FILE COPY NHN Copy CNE (7)

VAN DEWATER AND VAN DEWATER
COUNSELORS AT LAW
MILL & GARDEN STREETS P.O. BOX 112
POUGHKEEPSIE, N.Y. 12602

(914) 452-5900

JOHN B. VAN DEWATER (1892-1968)
ROBERT B. VAN DEWATER
NOEL DECORDOVA, JR.
EDWARD VK CUNNINGHAM, JR.
JOHN A. WOLF
DAVID O. HAGSTROM
JOHN K. GIFFORD
JAMES E. NELSON

CRAIG T. DIGILIO
GERARD J. COMATOS
RONALD C. BLASS, JR.

SUSANNA E. BEDELL
COUNSEL

BEACON OFFICE
5 CLIFF STREET
P.O. BOX 510
BEACON, N.Y. 12508
(914) 831-0426

July 21, 1983

RECEIVED
1983
BUREAU OF
HAZARDOUS SITE CONTROL
DIVISION OF SOLID WASTE

N.Y.S. Department of Environmental Conservation
50 Wolf Road
Albany, New York 12233

ATT: Norman H. Nosenchuck, P.E., Director
Division of Solid Waste

RE: Property of John M. Van De Water and
Robert B. Van De Water
Van Wagner Road
Town of Poughkeepsie, N. Y.

Dear Mr. Nosenchuck:

I acknowledge receipt of your letter of July 7th which was mailed out of your Albany office on July 18th conducting preliminary field investigations of inactive hazardous waste disposal sites throughout the state.

In reply to the information requested, please be advised as follows:

(a) The sole generation of waste deposited on the sanitary fill site was the Town of Poughkeepsie. The operation was controlled by the Town Engineer Michael Morris, Town Supervisor Thomas Mahar and Fred Swartout, as the sanitary fill operation director.

(b) Upon information and belief solid wastes were deposited on the site but I have no way of advising as to the quantities.

(c) The site was operated for sanitary fill purposes as an emergency measure by the Town of Poughkeepsie upon the occurrence of the closing of the sanitary

RECEIVED
JUL 21 1983
DIRECTOR'S OFFICE
DIVISION OF SOLID WASTE

fill operation on property owned by the State of New York on the former Hudson River State Hospital grounds in the Town of Poughkeepsie.

(c) The site was used for sanitary fill disposal for approximately four years until 1968.

(d) The complete operation of the site was under the control of the Town of Poughkeepsie.

(e) The refuse was covered daily with six inches of dirt and gravel.

(f) I have no knowledge of any known health or environmental problems at the site.

(g) I have no other information which might assist your department in evaluating the public health or environmental significance of the site.

Very truly yours,

Robert B Van De Water

ROBERT B. VAN DE WATER

RBV/lc

cc: Robert A. Olazagasti
NYS Dept. of Environmental Consv.
50 Wolf Road
Albany, N.Y. 12233

VAN DeWATER AND VAN DeWATER
COUNSELORS AT LAW
54 MARKET STREET P. O. BOX 112
POUGHKEEPSIE, N. Y. 12602

AREA CODE 914
PHONE 452-8420

JOHN B. VAN DeWATER (1892-1968)
ROBERT B. VAN DeWATER
NOEL DeCORDOVA, JR.
EDWARD V. K. CUNNINGHAM, JR.

ROBERT E. FERGUSON
WILLIAM C. BARON
DAVID D. HAGSTROM

COUNSEL
SUSANNA E. BEDELL

BEACON OFFICE
5 CLIFF STREET
P. O. BOX 510
BEACON, N. Y. 12508
AREA CODE 914
PHONE 831-0428

August 3, 1972

Edward C. Schueler, Supervisor
Town Hall
Dutchess Turnpike
Poughkeepsie, New York 12603

Stanley Still
Superintendent of Highways
Town of Poughkeepsie Highway Department
Dutchess Turnpike
Poughkeepsie, New York 12603

Re: Van De Water Property
Van Wagner Road

Dear Ed and Stanley:

This date the Dutchess County Department of Health called me complaining to me that some person or persons have openly dumped refuse on my property.

As you will recall several years ago a gate was put across the roadway opposite the entrance way to the WKIP Radio Station building to keep people off my property and this gate was kept locked and no one was allowed on the property. As I recall, the town requested at one specific time that it be granted permission to enter the premises after the cessation of the operation of the dump.

Will you please see to it that what refuse that was illegally dumped on the site be covered immediately and that the gate in

question remain locked at all times with keyes to the lock being held by the Town Police Department and the Highway Department.

Thanking you for your cooperation, I am

Sincerely,

Robert B. Van De Water

RBV/lc
cc: Dutchess County Dept. of Health
County Office Building
20 Market Street
Poughkeepsie, New York

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

9

GENERATOR FORM
PART - I

50 WOLF ROAD
ALBANY, NEW YORK 12233

HAZARDOUS WASTE DISPOSAL QUESTIONNAIRE

PLEASE COMPLETE AND RETURN TO THE ABOVE ADDRESS, ATTENTION: RTK PROCESSING UNIT, ROOM 525

COMPANY NAME		ICS CODE EPA ID NUMBER	
ICS #: 3178832 SCHEER & GOLD DBA JOHNNY ON THE	CITY	STATE	ZIP CODE
P 736 MAIN ST. POUGHKEEPSIE NY 12603	CONTACT NAME		TELEPHONE
STREET	CITY	STATE	ZIP CODE

PRINCIPAL BUSINESS OF PLANT

PLEASE ANSWER THE FOLLOWING QUESTIONS:

CHECK ONE

1. SINCE JANUARY 1, 1952 THRU DECEMBER 31, 1981, HAVE YOU OR ANY PREVIOUS OWNERS/OPERATORS OF THIS FACILITY GENERATED ANY HAZARDOUS WASTE (SEE INSTRUCTIONS) AT YOUR PRESENT FACILITY, PLANT, PROPERTY, ETC?

☒ YES
☐ NO

IF THE ANSWER IS **YES** COMPLETE QUESTIONS **1, 2, 3, 4** AND **GENERATOR FORM PART - II**
IF THE ANSWER IS **NO** COMPLETE QUESTIONS 1 AND 4 AND RETURN THIS FORM

2. HAS THE FACILITY AT THIS LOCATION CHANGED ITS NAME OR IDENTIFICATION BECAUSE THERE WAS A CHANGE IN OWNERSHIP, CORPORATE NAME OR OPERATOR NAME, ETC. IF YES LIST THE NAMES BY WHICH THIS FACILITY HAS BEEN IDENTIFIED SINCE JANUARY 1, 1952 TO THE PRESENT.

☐ YES
☒ NO

NAME, ADDRESSES, AND TELEPHONE NUMBERS — DATES

3. DESCRIBE THE DOCUMENTS FROM WHICH DATA THAT IS INCLUDED ON PART-II WAS OBTAINED (SEE INSTRUCTIONS).

DOCUMENT DESCRIPTION — DATES

4. I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT INFORMATION SUPPLIED IS TRUE AND COMPLETE. FALSE STATEMENTS SUBMITTED ON THIS DOCUMENT ARE PUNISHABLE PURSUANT TO SECTION 210.45 OF THE PENAL LAW.

Hamilton Scheer, Partner — 4/4/84

NAME OF OWNER/OPERATOR, PARTNER OFFICER OR AUTHORIZED REPRESENTATIVE — TITLE — DATE

Hamilton Scheer — (914) 454-6600

SIGNATURE — BUSINESS PHONE

NAME	ICS NUMBER - EPA ID NUMBER
	3 1 1 5 5 3
ADDRESS	
CITY	STATE / ZIP

GENERATOR FORM

PART - II

G

RTE # 9029 Co # 13 ✓

DATE 8/14/84 per telephone

1. HAZARDOUS WASTE DISPOSAL SITE (SEE INSTRUCTIONS)	2. DESCRIPTION OF HAZARDOUS WASTES DEPOSITED AT THIS LOCATION (SEE INSTRUCTIONS)	3. EPA WASTE CODE	4. WASTE DISPOSED OF QUANTITY OF WASTE (TONS)	FORM LIQUID	FORM SOLID	FORM DRUMS	5. WASTE DISPOSAL DATES	6. TRANSPORTER OF HAZARDOUS WASTE (SEE INSTRUCTIONS)
town disposal site in Poughkeepsie	Residue distilled from Perchloroethylene solvent	F002	less than 501bs/yr		✓		63 – present	Town garbage collectors

2

(10)

URS

AN INTERNATIONAL PROFESSIONAL SERVICES ORGANIZATION

JOB NO. 35231.00.10700 JOB NAME Van de Water

MEMO OF TELECON

DATE 4/10/91 TELEPHONE 1-914-255-5453

PERSON CALLING V. U. Wolfanger PERSON CALLED Keith Bowne

REPRESENTING URS REPRESENTING NYSDEC Region 3, Hazardous Waste

PURPOSE OF TELECON AND/OR EQUIPMENT INVOLVED: explanation of bearing plant well

TEXT OF TELECON:

A monitoring well is located on the former Van de Water Property (north of pond forming headwaters of west branch of Casper Creek). This is a downgradient well for the remedial investigation of the Schatz Federal Bearing plant disposal site. ated approximately 1/4 of a mile northeast of the railroad track grade on Van Wagner Road. This well was tested and found to be uncontaminated. The site number is NY #314003.

14-00-2R3(11/89)

16

New York State Department of Environmental Conservation
REGION 3
21 South Putt Corners Road
New Paltz, New York 12561
(914) 255-5453

Received
URS CONSULTANTS
MAR 11 1991

JOB #_____

TO: VIRGINIA URSITTI-WOLFANGER
URS CONSULTANTS, INC.
570 DELAWARE AVE
BUFFALO, N.Y. 14202-1207

DATE: March 7, 1991

SUBJECT: Request for stream classifications and state-regulated freshwater wetlands, Van DeWater Property North site, Town of Poughkeepsie, Dutchess County

The following state-protected freshwater wetlands are within 2 miles of the site, and its approximate boundaries highlighted in green on the maps enclosed:

# PK-3 (class II)	# PK-12 (class II)	# PV-2 (class II)
# PK-4 (class I)	# PK-13 (class II)	# PV-65 (class III)
# PK-5 (class II)	# PK-16 (class II)	
# PK-7 (class II)	# PK-18 (class II	

The following streams and their classifications are within 3 miles of the site, and numbered in red on the maps enclosed:

		CLASS
1. Wappinger Creek, #H-101	B, B(T)	
2. Tributaries of Wappinger Creek: #H-101-5a,	D	
3. #H-101-6	C(T), D	
4 #H-101-7	C(T), D, B	
5. #H-101-8	B	
6. #H-101-9	B	
7 Cooper Creek #H-105	D	
8 Tribs. of Cooper Creek #H-105-4	D	
9 " " " #H-105-5	D	
10. " " " #H-105-5a -5b	D	
11. Fallkill Creek, #H-114		C
12. Trib of Fallkill #H-114-2		D
13. Trib. of Hudson River #H-117		D
14. Trib. of Hudson River #H-118		D

(For federal wetlands, please contact the Army Corps of Engineers, New York City office - see attached notice)

Richard Speidel
SIGNATURE

17

URS

AN INTERNATIONAL PROFESSIONAL SERVICES ORGANIZATION

JOB NO. 35231.00.10700 JOB NAME Vonde Water

MEMO OF TELECON

DATE 8 4/3/91 TELEPHONE 1-914-485-3430

PERSON CALLING V. U. Wolfanger PERSON CALLED City of Poughkeepsie

REPRESENTING URS REPRESENTING Water Department

PURPOSE OF TELECON AND/OR EQUIPMENT INVOLVED:

TEXT OF TELECON

Water comes from Hudson River at Marist College and is treated there for distribution. Virtually all city residents use municipal water.

URS

AN INTERNATIONAL PROFESSIONAL SERVICES ORGANIZATIC

JOB NO. 35231.00.10700 JOB NAME NYSDEC Van de Water

MEMO OF TELECON

DATE 4/8/91 TELEPHONE 1-914-471-2300

PERSON CALLING V U Wolfanger PERSON CALLED Richard Novik

REPRESENTING URS REPRESENTING President - WKIP Radio

PURPOSE OF TELECON AND/OR EQUIPMENT INVOLVED:

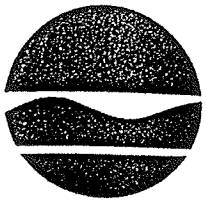
To obtain well information for the property

TEXT OF TELECON

Ms. Novik, president of WKIP, bought the ~~for~~ radio station and property in the name of WKIP in 1986 from Sehresa Broadcasting. He is unaware of the existence of any water well on the property. The people at the station use bottled water. I informed Ms. Novik of the 1984 Phase I report that reported the contamination of the WKIP well, to which he expressed surprise since he did not know of a well at all.

(19)

New York State Department of Environmental Conservation
Wildife Resources Center
Information Services
700 Troy-Schenectady Road
Latham, New York 12110



Thomas C. Jorling
Commissioner

February 27, 1991

Phyllis Rettke
URS Consultants, Inc.
570 Delaware Avenue
Buffalo, New York 14202-1207

Dear Ms. Rettke:

We have reviewed the Significant Habitat Unit and the NY Natural Heritage Program files with respect to your request for biological information concerning the Four Hazardous Waste Cleanup Sites as indicated on your maps, located in Dutchess and Suffolk Counties.

We did not find any rarities or significant habitats on the Long Island sites.

We identified one concern on the Dutchess County site. A threatened species, the Blanding's Turtle (Emydoidea blandingii), was historically found in the vicinity. Though not collected since 1965, this species is probably still present in the area.

Our files are continually growing as new habitats and occurrences of rare species and communities are discovered. In most cases, site-specific or comprehensive surveys for plant and animal occurrences have not been conducted. For these reasons, we can only provide data which have been assembled from our files. We cannot provide a definitive statement on the presence or absence of species, habitats or natural communities. This information should not be substituted for on-site surveys that may be required for environmental assessment.

This response applies only to known occurrences of rare animals, plants and natural communities and/or significant wildlife habitats. You should contact our regional office, Division of Regulatory Affairs, at the address enclosed for information regarding any regulated areas or permits that may be required (e.g., regulated wetlands) under State law.

If this project is still active one year from now we recommend that you contact us again so that we may update this response.

Sincerely,

Burrell Buffington

Burrell Buffington
Significant Habitat Unit

Encs.
cc: Reg. 1, Wildlife Mgr.
Reg. 3, Wildlife Mgr.

New York Heritage Program is supported in part by The Nature Conservancy

URS

AN INTERNATIONAL PROFESSIONAL SERVICES ORGANIZATION

JOB NO. 35231.00.107 JOB NAME Van De Water

MEMO OF TELECON

DATE 2/11/92 TELEPHONE 1-914-485-3638

PERSON CALLING V. L. Wo-Yanger PERSON CALLED Russell King

REPRESENTING URS REPRESENTING Poughkeepsie - asst. Town Engineer

PURPOSE OF TELECON AND/OR EQUIPMENT INVOLVED:

TEXT OF TELECON

Mr. King is not aware of any residents not on town water supply. He does not know of a way to find this information except by calling billing dept. for list of those on town water.

CC:

URS

AN INTERNATIONAL PROFESSIONAL SERVICES ORGANIZATION

24

JOB NO. 35231.00.107 JOB NAME Van de Water

MEMO OF TELECON

DATE 2/12/92 TELEPHONE 1-914-462-6535

PERSON CALLING H. U. Wolfangus PERSON CALLED Fred Andros

REPRESENTING URS REPRESENTING Poughkeepsie water

PURPOSE OF TELECON AND/OR EQUIPMENT INVOLVED:

private well locations

TEXT OF TELECON

Mr. Andros could not help with locating those on private wells. Only those who are billed for water are known. Suggested calling billing department. Knows of no other person who would be familiar with well water use.

cc:

URS
AN INTERNATIONAL PROFESSIONAL SERVICES ORGANIZATIO

JOB NO. 35231.00.10700 JOB NAME Van de Water

MEMO OF TELECON

DATE 2/10/92 TELEPHONE 1-518-457-1708
PERSON CALLING V U Wolfanger PERSON CALLED Tom Gibbons
REPRESENTING URS REPRESENTING NYSDEC - central office Project Mgr. for Schatz sites
PURPOSE OF TELECON AND/OR EQUIPMENT INVOLVED: Groundwater flow patterns

TEXT OF TELECON

Schatz Federal Bearing disposal site on Van Wagner Road - Groundwater flow is pretty nearly South, somewhat to southwest. However, this is probably an anomalous flow pattern because of some unique topography, etc. there. The general GW flow in the area is probably Southwest in the direction of the Hudson.

Will fax pages from the RI/FS.

Schatz may have disposed of wastes at the old Town/City of Poughkeepsie landfill in addition to its own properties

cc:

APPENDIX D

Hazard Ranking System

FACILITY NAME: Van De Water Property

LOCATION: Route 44, Van Wagner Road, Poughkeepsie, NY 12603

EPA REGION: 2

PERSON(S) IN CHARGE OF THE FACILITY: Town of Poughkeepsie

NAME OF REVIEWER: Virginia Ursitti Wolfanger DATE: 4/10/1991

GENERAL DESCRIPTION OF THE FACILTY:

(For example: landfill, surface impoundment, pile, container; types of hazardous substances; location of the facility; contamination route of major concern; types of information needed for rating; agency action;etc.)

The Van De Water site was used as a municipal landfill from the 1940's through the 1970's and as a spring clean-up debris burial site in the 1970's and 1980's by the Town and City of Poughkeepsie. It is located in the Town of Poughkeepsie one mile outside the Poughkeepsie city limits. One company has been identified as depositing tetrachloroethene residue through the 1960's by way of town garbage collection. It is suspected that other industries in the area may have deposited wastes at this site. This is an unlined facility in soils that may be of relatively high permeability, with a classified stream through the area of fill, and where methane gas was detected in 1983 over an embankment of covered refuse. The site is easily accessible as it is developed commercially and is located in a heavily populated area. There is no analytical data available for this site.

SCORES: Sm= 11.35 (Sgw = 11.63 Ssw = 8.50 Sa = 13.33)

Sfe = 0.00

Sdc = 50.00

HRS COVER SHEET

GROUND WATER ROUTE WORK SHEET

RATING FACTOR	ASSIGNED VALUE (CIRCLE ONE)	MULTI-PLIER	SCORE	MAX. SCORE	REF. (SECTION)
1 OBSERVED RELEASE	0 45 [0]	1	0	45	3.1
IF OBSERVED RELEASE IS GIVEN A SCORE OF 45, PROCEED TO LINE 4 IF OBSERVED RELEASE IS GIVEN A SCORE OF 0, PROCEED TO LINE 2					
2 ROUTE CHARACTERISTICS					3.2
DEPTH TO AQUIFER OF CONCERN	0 1 2 3 [3]	2	6	6	
NET PRECIPITATION	0 1 2 3 [2]	1	2	3	
PERMEABILITY OF THE UNSATURATED ZONE	0 1 2 3 [3]	1	3	3	
PHYSICAL STATE	0 1 2 3 [1]	1	1	3	
TOTAL ROUTE CHARACTERISTICS SCORE			12	15	
3 CONTAINMENT	0 1 2 3 [3]	1	3	3	3.3
4 WASTE CHARACTERISTICS					
TOXICITY/PERSISTANCE	0 3 6 9 [18]	1	18	18	3.4
HAZARDOUS WASTE QUANTITY	12 15 18 0 1 2 3 [1] 4 5 6 7 8	1	1	8	
TOTAL WASTE CHARACTERISTICS SCORE			19	26	
5 TARGETS					
GROUND WATER USE	0 1 2 3 [3]	3	9	9	
DISTANCE TO NEAREST WELL /POPULATION SERVED	0 4 6 8 10 12 16 18 [4] 24 30 32 35 40	1	4	40	
TOTAL TARGETS SCORE			13	49	
6 IF LINE 1 IS 45, MULTIPLY 1 X 4 X 5 IF LINE 1 IS 0, MULTIPLY 2 X 3 X 4 X 5			0 8892	57,330	
7 DIVIDE LINE 6 BY 57,330 AND MULTIPLY BY 100		Sgw =	15.51		

GROUND WATER ROUTE WORK SHEET

SURFACE WATER ROUTE WORK SHEET

RATING FACTOR	ASSIGNED VALUE (CIRCLE ONE)	MULTI-PLIER	SCORE	MAX. SCORE	REF. (SECTION)
1 OBSERVED RELEASE	0 45 [0]	1	0	45	4.1
IF OBSERVED RELEASE IS GIVEN A SCORE OF 45, PROCEED TO LINE 4 IF OBSERVED RELEASE IS GIVEN A SCORE OF 0, PROCEED TO LINE 2					
2 ROUTE CHARACTERISTICS					4.2
FACILITIES SLOPE AND INTERVENING TERRAIN	0 1 2 3 [3]	1	3	3	
1-yr 24 HOUR RAINFALL	0 1 2 3 [2]	1	2	3	
DISTANCE TO NEAREST SURFACE WATER	0 1 2 3 [3]	2	6	6	
PHYSICAL STATE	0 1 2 3 [1]	1	1	3	
TOTAL ROUTE CHARACTERISTICS SCORE			12	15	
3 CONTAINMENT	0 1 2 3 [3]	1	3	3	4.3
4 WASTE CHARACTERISTICS					
TOXICITY/PERSISTANCE	0 3 6 9 12 15 [18]	1	18	18	4.4
HAZARDOUS WASTE QUANTITY	1 2 3 4 5 6 7 8 [1]	1	1	8	
TOTAL WASTE CHARACTERISTICS SCORE			19	26	
5 TARGETS					4.5
SURFACE WATER USE	0 1 2 3 [2]	3	6	9	
DISTANCE TO A SENSITIVE ENVIRONMENT	0 1 2 3 [2]	2	4	6	
POPULATION SERVED/DIST TO WATER INTAKE DOWNSTREAM	0 4 6 8 10 12 16 18 20 24 30 32 35 40 [0]	1	0		
TOTAL TARGETS SCORE			10	55	
6 IF LINE 1 IS 45, MULTIPLY 1 X 4 X 5 IF LINE 1 IS 0, MULTIPLY 2 X 3 X 4 X 5			0 6840	64,350	
7 DIVIDE LINE 6 BY 64,350 AND MULTIPLY BY 100			Ssw = 10.63		

AIR ROUTE WORK SHEET

RATING FACTOR	ASSIGNED VALUE (CIRCLE ONE)	MULTI-PLIER	SCORE	MAX. SCORE	REF. (SECTION)
1 OBSERVED RELEAS	0 45 [45]	1	45	45	5.1
DATE AND LOCATIO	4/27/83 over embankment north of Caldor's				
SAMPLING PROTOCO	Century 128 organic vapor analyzer in the gc mode				
IF LINE 1 IS 0, THE Sa =0. ENTER ON LINE 5 IF LINE 1 IS 45. THEN PROCEED TO; LINE 2.					
2 WASTE CHARACTERISTICS					5.2
REACTIVITY AND INCOMPATIBILITY	0 1 2 3 [0]	1	0	3	
TOXICITY	0 1 2 3 [1]	3	3	9	
HAZARDOUS WASTE QUANTITY	3 4 5 6 7 8 [1]	1	1	8	
TOTAL WASTE CHARACTERISTICS SCORE			4	20	
3 TARGETS					5.3
POPULATION WITHIN 4 MILE RADIUS	O 9 12 15 18 21 24 27 21	1	21	30	
DISTANCE TO SENSITIVE ENVIRONMENT	0 1 2 3 [1]	2	2	6	
LAND USE	0 1 2 3 [3]	1	3	3	
TOTAL TARGETS SCORE			26	39	
4 MULTIPLY 1 X 2 X 3			4680	35,100	
5 DIVIDE LINE 4 BY 35,100 AND MULTIPLY BY 100			Sa= 13.33		

	S	S^2
GROUNDWATER ROUTE SCORE (Sgw)	15.51	240.57
SURFACE WATER ROUTE SCORE (Ssw)	10.63	112.98
AIR ROUTE SCORE (Sa)	13.33	177.78
$S^2gw + S^2sw + S^2a$		531.33
square root of($S^2gw + S^2sw + S^2a$)		23.05
square root of ($S^2gw + S^2sw + S^2a$)/1.73 = Sm		13.32

WORKSHEET FOR COMPUTING Sm

FIRE AND EXPLOSION WORK SHEET

RATING FACTOR	ASSIGNED VALUE (CIRCLE ONE)	MULTI-PLIER	SCORE	MAX. SCORE	REF. (SECTION)
1 CONTAINMENT	1 3	1		3	7.1
2 WASTE CHARACTERISTICS					
DIRECT EVIDENCE	0 3	1		3	7.2
IGNITABILITY	0 1 2 3	1		3	
REACTIVITY	0 1 2 3	1		3	
INCOMPATIBILITY	0 1 2 3	1		3	
HAZARDOUS WASTE QUANTITY	1 2 3 4 5 6 7 8	1		3 8	
TOTAL WASTE CHARACTERISTICS SCORE			0	20	
3 TARGETS					7.3
DISTANCE TO NEAREST POPULATION	0 1 2 3 4 5	1			
DISTANCE TO NEAREST BUILDING	0 1 2 3	1			
DISTANCE TO A SENSITIVE ENVIRONMENT	0 1 2 3	1		6	
LAND USE	0 1 2 3	1			
POPULATION WITHIN 2 MILE RADIUS	0 1 2 3 4 5	1			
BUILDINGS WITHIN 2 MILE RADIUS	0 1 2 3 4 5	1			
TOTAL TARGETS SCORE			0	24	
4 MULTIPLY 1 X 2 3			0	1,440	
5 DIVIDE LINE 4 BY 1,440 AND MULTIPLY BY 100					
		Sfe =	0.00		

FIRE AND EXPLOSION WORK SHEET

DIRECT CONTACT WORK SHEET					
RATING FACTOR	ASSIGNED VALUE (CIRCLE ONE)	MULTI-PLIER	SCORE	MAX. SCORE	REF. (SECTION)
1 OBSERVED RELEASE	0 45 [0]	1	0	45	8.1
IF LINE 1 IS 45, PROCEED TO LINE 2 IF LINE 1 IS 0, PROCEED TO LINE 2					
2 ACCESSIBILITY	0 1 2 3 [3]	1	3	3	8.2
3 CONTAINMENT	0 15 [15]	1	15	15	8.3
4 WASTE CHARACTERISTICS TOXICITY	0 1 2 3 [3]	5	15	15	8.4
5 TARGETS					8.5
POPULATION WITHIN 1 MILE RADIUS	0 1 2 3 4 5 [4]	4	16	20	
DISTANCE TO A CRITICAL HABITAT	0 1 2 3 [0]	4	0	12	
TOTAL TARGETS SCORE			16	32	
6 IF LINE 1 IS 45, MULTIPLY 1 X 4 X 5 IF LINE 1 IS 0, MULTIPLY 2 X 3 X 4 X 5			0 10800	21,600	
7 DIVIDE LINE 6 BY 21,600 AND MULTIPLY BY 100			Sdc =	50.00	

DIRECT CONTACT WORK SHEET

GROUNDWATER ROUTE

1 OBSERVED RELEASE

o CONTAMINANTS DETECTED (5 MAXIMUM):

No analytical data.

o RATIONALE FOR ATTRIBUTING THE CONTAMINANTS TO THE FACILITY:

SCORE 0

***

2. ROUTE CHARACTERISTICS

DEPTH TO AQUIFER OF CONCERN

o NAME/DESCRIPTION OF AQUIFER(S) OF CONCERN:

Austin Glen Shale

o DEPTH(S) FROM THE GROUND SURFACE TO THE HIGHEST SEASONAL LEVEL OF THE SATURATED ZONE [WATER TABLE(S)] OF THE AQUIFER OF CONCERN:

1-3 feet (Dutchess County Soil Survey.)

8 feet (Groundwater Resources of Dutchess County)

Groundwater filled trenches 10-15 feet deep - 4/2/76 (DCHD).

o DEPTH FROM THE GROUND SURFACE TO THE LOWEST POINT OF WASTE DISPOSAL/STORAGE:

>4 feet, probably much deeper (Dutchess County Health Department Fein memo 4/8/71) south portion

10-15 feet - Ruff memo 4/2/76 (DCHD).

SCORE 3

***

NET PRECIPITATION

- MEAN ANNUAL OR SEASONAL PRECIPITATION(LIST MONTHS FOR SEASONAL):

  42 in. (HRS manual).

- MEAN ANNUAL OR SEASONAL EVAPORATION (LIST MONTHS FOR SEASONAL):

  29 in. (HRS manual).

- NET PRECIPITATION (SUBTRACT THE ABOVE FIGURES):

  13 in.

SCORE 2

PERMEABILITY OF UNSATURATED ZONE

- SOIL TYPE IN UNSATURATED ZONE:

  Udorthents, wet substratum (Dutchess County Soil Survey) - dominantly loamy, deeper is gravelly loam.

  Sand and gravel - principally stratified deposits laid down in glacial melt waters (Groundwater Resources of Dutchess County).

  Glacial till - unstratified glacial deposits consisting of clay, sand, gravel

- PERMEABILITY ASSOCIATED WITH SOIL TYPE:

  .02-6.0 in/hr x 7×10^{-4} = 1.4×10^{-5} - 4.2×10^{-3} cm/sec (Dutchess County Soil Survey) from 4-72 inches deep in Udorthents.

  Sand and gravel $>10^{-3}$ cm/sec (HRS manual).

  Clay, compact till $<10^{-7}$ cm/sed

SCORE 3

PHYSICAL STATE

- PHYSICAL STATE OF SUBSTANCES AT TIME OF DISPOSAL (OR AT PRESENT TIME FOR GENERATED GASES):

  Solid, unconsolidated (powder)

SCORE 1

***

3. CONTAINMENT

CONTAINMENT

o METHOD(S) OF WASTE OF LEACHATE CONTAINMENT EVALUATED:

No liner.

No run-on control.

o METHOD WITH THE HIGHEST SCORE:

SCORE 3

***

4. WASTE CHARACTERISTICS

TOXICITY AND PERSISTENCE

o COMPOUND(S) EVALUATED:

Compound Evaluated	Toxicity	Persistence	Score
Tetracholorethene Residue	3	3	18

o COMPOUND WITH THE HIGHEST SCORE:

tetrachloroethene

SCORE 18

HAZARDOUS WASTE QUANTITY

o TOTAL QUANTITY OF HAZARDOUS SUBSTANCES AT THE FACILITY, EXCLUDING THOSE WITH A CONTAINMENT SCORE OF 0(GIVE A REASONABLE ESTIMATE EVEN IF QUANTITY IS ABOVE MAXIMUM):

50 lb/yr from 1963 to 1971 (site closed) = 450 lbs.

SCORE 1

o BASIS OF ESTIMATING AND/OR COMPUTING WASTE QUANTITY:

RTK Hazardous Waste Disposal Questionnaire Scheer & Gold.

***

5. TARGETS

GROUNDWATER USE

o USE(S) OF AQUIFER(S) OF CONCERN WITHIN A 3-MILE RADIUS OF THE FACILITY:

Drinking water with no alternate unthreatened sources available.

SCORE 3

DISTANCE OF NEAREST WELL

o LOCATION OF NEAREST WELL DRAWING FROM AQUIFER OF CONCERN OR OCCUPIED BUILDING NOT SERVED BY A PUBLIC WATER SUPPLY:

Unknown.

o DISTANCE TO ABOVE WELL OR BUILDING:

Contact with local officials was made in an attempt to locate private wells, which was not successful.

POPULATION SERVED BY GROUNDWATER WELL WITHIN A 3-MILE RADIUS

o IDENTIFIED WATER-SUPPLY WELL(S) DRAWING FROM AQUIFER(S) OF CONCERN WITHIN A 3-MILE RADIUS AND POPULATIONS SERVED BY EACH:

Town of Poughkeepsie units 12,802 x 15.1% on individual water supply = 1933 units on wells x 3.8 pers/unit = 7,346 persons on well water (1980 Census).

Town of LaGrange units 600 within 3 mile radius x 82.6% on individual water supply = 495 units on wells x 3.8 pers/unit = 1,883 persons on well water (1980 Census).

o COMPUTATION OF LAND AREA IRRIGATED BY SUPPLY WELL(S) DRAWING FROM AQUIFER(S) OF CONCERN WITHIN A 3-MILE RADIUS, AND CONVERSION TO POPULATION(1.5 PEOPLE PER ACRE):

Site is located within a metropolitan area.

o TOTAL POPULATION SERVED BY GROUNDWATER WITHIN A 3-MILE RADIUS:

7346 Poughkeepsie (T)
1883 LaGrange (T)
9229

SCORE 4

***

SURFACE WATER ROUTE

1. OBSERVED RELEASE

o CONTAMINANTS DETECTED IN SURFACE WATER AT THE FACILITY OR DOWNHILL FROM IT (5 MAXIMUM):

No analytical data.

o RATIONALE FOR ATTRIBUTING THE CONTAMINANTS TO THE FACILITY:

SCORE 0

***

2. ROUTE CHARACTERISTICS

FACILITY SLOPE AND INTERVENING TERRAIN

o AVERAGE SLOPE OF THE FACILITY IN PERCENT:

0-3% (NYSDOT topographic maps 1989).

o NAME/DESCRIPTION OF THE NEAREST DOWNSLOPE SURFACE WATER:

Casper Creek.

o AVERAGE SLOPE OF TERRAIN BETWEEN FACILITY AND ABOVE-CITED SURFACE WATER IN PERCENT:

0-3%.

o IS THE FACILITY LOCATED EITHER TOTALLY OR PARTIALLY IN SURFACE WATER?:

Yes.

SCORE 3

o IS THE FACILITY COMPLETELY SURROUNDED BY AREAS OF HIGHER ELEVATION?

No.

1-YEAR 24 HOUR RAINFALL IN INCHES

2.5 in. (HRS Manual).

SCORE 2

DISTANCE TO NEAREST DOWNSLOPE SURFACE WATER

Adjacent.

SCORE 3

PHYSICAL STATE OF WASTE

Solid unconsolidated.

SCORE 1

***

3. CONTAINMENT

CONTAINMENT

o METHOD(S) OF WASTE OR LEACHATE CONTAINMENT EVALUATED:

No diversion system present.

Adequately covered.

o METHOD WITH THE HIGHEST SCORE:

No diversion system present.

SCORE 3

***

4. WASTE CHARACTERISTICS

TOXICITY AND PERSISTENCE

o COMPOUND(S) EVALUATED

Compound Evaluated	Toxicity	Persistence	Score
Tetracholorethene Residue	3	3	18

o COMPOUND WITH THE HIGHEST SCORE:

SCORE 18

HAZARDOUS WASTE QUANTITY

o TOTAL QUANTITY OF HAZARDOUS SUBSTANCES AT THE FACILITY EXCLUDING THOSE WITH A CONTAINMENT SCORE OF 0 (GIVE A REASONABLE ESTIMATE EVEN IF QUANTITY IS ABOVE MAXIMUM):

50 lb/yr from 1963 to 1971 = 450 lbs.

SCORE 1

o BASIS OF ESTIMATING AND/OR COMPUTING WASTE QUANTITY:

RTK Hazardous Waste Disposal Questionnaire Scheer & Gold.

***

5. TARGETS

SURFACE WATER USE

o USE(S) OF SURFACE WATER WITHIN 3 MILES DOWNSTREAM OF THE HAZARDOUS SUBSTANCE:

Class D Stream - suitable for recreational fishing.

Score 2

- IS THERE TIDAL INFLUENCE?

  No

DISTANCE TO A SENSITIVE ENVIRONMENT

- DISTANCE TO A 5-ACRE(MINIMUM) COASTAL WETLAND, IF 2 MILES OR LESS:

  NA

- DISTANCE TO A 5 ACRE (MINIMUM) FRESH-WATER WETLAND, IF 1 MILE OR LESS:

  500 feet to NYSDEC regulated wetland PK-5.

- DISTANCE TO CRITICAL HABITAT OF AN ENDANGERED SPECIES OR NATIONAL WILDLIFE REFUGE, IF 1 MILE OR LESS:

  NYS threatened species, Blanding's turtle, historically found in the vicinity.

SCORE 2

POPULATION SERVED BY SURFACE WATER

- LOCATION(S) OF WATER-SUPPLY INTAKE(S) WITHIN 3 MILES(FREE-FLOWING BODIES) OR 1 MILE (STATIC WATER BODIES) DOWNSTREAM OF THE HAZARDOUS SUBSTANCE AND POPULATION SERVED BY EACH INTAKE:

  Water supply intakes for the City and Town of Poughkeepsie are located 3 miles west of the site in the Hudson River.

- COMPUTATION OF LAND AREA IRRIGATED BY ABOVE-CITED INTAKE(S) AND CONVERSION TO POPULATION (1.5 PEOPLE PER ACRE):

  NA

- TOTAL POPULATION SERVED

  NA

- NAME/DESCRIPTION OF NEAREST ABOVE-CITED WATER BODIES:

  NA

- DISTANCE TO ABOVE-CITED INTAKES, MEASURED IN STREAM MILES:

  NA

SCORE 0

***

AIR ROUTE

1. OBSERVED RELEASE

o CONTAMINANTS DETECTED:

Methane gas at 600 ppm.

o DATE AND LOCATION OF DETECTION OF CONTAMINANTS:

4/27/83 over the embankment north of Caldor's.

o METHODS USED TO DETECT THE CONTAMINANTS:

Century 128 organic vapor analyzer in the gas chromatograph mode.

o RATIONALE FOR ATTRIBUTING THE CONTAMINANTS TO THE SITE:

Localized occurrence in area of solid waste disposal.

SCORE 45

***

2. WASTE CHARACTERISTICS

REACTIVITY AND INCOMPATIBILITY

o MOST REACTIVE COMPOUND

Methane.

o MOST INCOMPATIBLE PAIR OF COMPOUNDS

NA

SCORE 0

TOXICITY

o MOST TOXIC COMPOUND

Methane.

SCORE 1

HAZARDOUS WASTE QUANTITY

o TOTAL QUANTITY OF HAZARDOUS WASTE:

450 lbs of tetrachloroethene residue.

SCORE 1

o BASIS OF ESTIMATING AND/OR COMPUTING WASTE QUANTITY:

RTK Hazardous Waste Disposal Questionnaire.

***

3 TARGETS

POPULATION WITHIN 4-MILE RADIUS

o UNDERLINE RADIUS USED, GIVE POPULATION AND INDICATE HOW DETERMINED:

0 TO 4 MI 0 TO 1 MI 0 TO 0.5 MI 0 TO 0.25 MI

8,418 (NYSDOT 7.5 minute series topographic map.)

SCORE 21

DISTANCE TO A SENSITIVE ENVIRONMENT

o DISTANCE TO 5 ACRE (MINIMUM) COASTAL WETLAND, IF 2 MILES OR LESS:

NA

- DISTANCE TO 5 ACRE (MINIMUM) FRESH WATER WETLAND, IF 1 MILE OR LESS:

  2,000 ft. to NYSDEC regulated wetland PK-5.

- DISTANCE TO CRITICAL HABITAT OF AN ENDANGERED SPECIES, IF 1 MILE OR LESS:

  NA

SCORE 1

LAND USE

- DISTANCE TO COMMERCIAL/INDUSTRIAL AREA , IF 1 MILE OR LESS:

  On site.

- DISTANCE TO NATIONAL OR STATE PARK, FOREST, OR WILDLIFE RESERVE, IF 2 MILES OR LESS:

  NA

- DISTANCE TO RESIDENTIAL AREA, IF 2 MILES OR LESS:

  400 feet.

- DISTANCE TO AGRICULTURAL LAND IN PRODUCTION WITHIN THE LAST 5 YEARS, IF 1 MILE OR LESS:

  NA

- DISTANCE TO PRIME AGRICULTURAL LAND IN PRODUCTION WITHIN PAST YEARS, IF 2 MILES OR LESS:

  NA

- IS A HISTORICAL OR LANDMARK SITE(NATIONAL REGISTER OR HISTORIC PLACES AND NATIONAL NATURAL LANDMARKS) WITHIN VIEW OF THE SITE?

  No

SCORE 3

***

FIRE AND EXPLOSION

1. CONTAINMENT

o HAZARDOUS SUBSTANCES PRESENT:

No threat of fire or explosion.

o TYPE OF CONTAINMENT, IF APPLICABLE:

NA

SCORE

***

2. WASTE CHARACTERISTICS

DIRECT EVIDENCE

o TYPE OF INSTRUMENT AND MEASUREMENTS:

NA

SCORE

IGNITABILITY

o COMPOUND USED

NA

SCORE

REACTIVITY

o MOST REACTIVE COMPOUND:

NA

SCORE

INCOMPATIBILITY

o MOST INCOMPATIBLE PAIR OF COMPOUNDS:

NA

SCORE

HAZARDOUS WASTE QUANTITY

o TOTAL QUANTITY OF HAZARDOUS SUBSTANCES AT THE FACILITY:

NA

SCORE

o BASIS OF ESTIMATING AND/OR COMPUTING WASTE QUANTITY:

NA

3 TARGETS

DISTANCE TO NEAREST POPULATION

NA

SCORE

DISTANCE TO NEAREST BUILDING

NA

SCORE

DISTANCE TO SENSITIVE ENVIRONMENT

o DISTANCE TO WETLANDS

NA

o DISTANCE TO CRITICAL HABITAT:

NA

SCORE

LAND USE

- DISTANCE TO COMMERCIAL/INDUSTRIAL AREA

  NA

- DISTANCE TO NATIONAL OR STATE PARK, FOREST OF WILDLIFE RESERVE, IF 2 MILES OR LESS:

  NA

- DISTANCE TO RESIDENTIAL AREA, IF 2 MILES OR LESS:

  NA

- DISTANCE TO AGRICULTURAL LAND IN PRODUCTION WITHIN PAST 5 YEARS, IF 1 MILE OR LESS:

  NA

- DISTANCE TO PRIME AGRICULTURAL LAND IN PRODUCTION WITHIN PAST 5 YEARS, IF 2 MILES OR LESS:

  NA

- IF A HISTORIC OR LANDMARK SITE (NATIONAL REGISTER OF HISTORIC PLACES AND NATIONAL NATURAL LANDMARKS) WITHIN VIEW OF THE SITE?

  NA

SCORE

POPULATION WITHIN 2 MILE RADIUS

NA

SCORE

BUILDINGS WITHIN A 2 MILE RADIUS

NA

SCORE

***

DIRECT CONTACT

1. OBSERVED INCIDENT

o DATE, LOCATION AND PERTINENT DETAILS OF INCIDENT:

None.

SCORE 0

***

2. ACCESSIBILITY

o DESCRIBE TYPE OF BARRIER(S):

None - portions of the site are open to the public.

SCORE 3

***

3. CONTAINMENT

o TYPE OF CONTAINMENT, IF APPLICABLE:

Landfill adequately covered and vegetated, except in northern portion of site.

Leachate in open ditches.

SCORE 15

***

4. WASTE CHARACTERISTICS

TOXICITY

o COMPOUNDS EVALUATED

Tetrachloroethene residue.

o COMPOUND WITH HIGHEST SCORE:

Toxicity: 3

SCORE 3

***

5 TARGETS

POPULATION WITHIN 1 MILE RADIUS

8,418 (NYSDOT topo maps 1989, aerial revisions, 1988).

SCORE 4

DISTANCE TO CRITICAL HABITAT (OF ENDANGERED SPECIES)

NA

SCORE 0

***