152128

New York State Department of Environmental Conservation
Division of Hazardous Waste Remediation
Bureau of Hazardous Site Control
Additions/Changes to Registry Summary of Approvals

Site Name AMFAR ASPHALT Corp. DEC I.D. Number 152128

Activity ☐ Add ☐ Reclassify ☑ Delist ☐ Modify _____
D1

Approvals:

Regional Hazardous Waste Engineer Yes ☑ No ☐ _____

NYSDOH Yes ☑ No ☐ _____

DEE Yes ☑ No ☐ _____

BHSC: a. Investigation Section Yes ☑ No ☐ _____

b. Site Control Section Robert Mason Date 1/29/91

c. Director _____ Date 1/30/91

Assistant Director _____ Date 2/6/91

•1990-91•

47-15-26 (9/90)—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
AMFAR Asphalt Corporation	152128	Smithtown	Suffolk

5. REGION	6. CLASSIFICATION	7. ACTIVITY
1	Current 2a /Proposed D1	☐ Add ☐ Reclassify ☒ Delist ☐ Modify

8a. DESCRIBE LOCATION OF SITE (Attach U.S.G.S. Topographic Map showing site location).
Site is a sand & gravel excavation site, located approximately 3 miles south of Long Islands north shore on Town Line Road in Kings Park. It is directly across from the Huntington Landfill, just south of Mike Nastis.

b. Quadrangle Northport & Greenlawn c. Site Latitude 40° 52' 30" Longitude 73° 17" 20" d. Tax Map Number

9a BRIEFLY DESCRIBE THE SITE (Attach site plan showing disposal/sampling locations)
The site consists of two adjoining parcels of 11.9 and 9.42 acres each. The property has been used as a sand and agravel operation which is permitted. It has also been used as an informal, unpermitted dumping area and as a storage area for AMFAR ASPHALT Corp. Smithtown Code Enforcement Bureau has cited seven code violations.

b. Area 21.3 acres c. EPA ID Number Not assigned d. PA/SI ☐ Yes ☐ No N/A

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
The New York State Department of Environmental Conservation funded Phase II investigation did not confirm the presence of 6NYCRR Part 371 hazardous waste on-site.

11a. SUMMARIZED SAMPLING DATA ATTACHED
☐ Air ☒ Groundwater ☐ Surface Water ☒ Soil ☐ Waste ☐ EP Tox ☐ TCLP

b. List contravened parameters and values
1,1,2 - tricholoethane (6ppb) in groundwater
chloroform - (6ppb) in groundwater
trichloroethene - (5ppb) in groundwater
chromium - (84.8ppb) in groundwater

12. SITE IMPACT DATA

a. Nearest surface water: Distance N/A ft. Direction N/A Classification N/A
b. Nearest groundwater: Depth 64 ft. Flow Direction NNE ☒ Sole Source ☐ Primary ☐ Principal
c. Nearest water supply: Distance 5280 ft. Direction NW Active ☒ Yes ☐ No
d. Nearest building: Distance 100 ft. Direction N Use business
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 N/A
m. HRS Score 37.9
n. Significant Threat ☐ Yes ____ ☒ No ☐ Unknown

13. SITE OWNER'S NAME	14. ADDRESS	15. TELEPHONE NUMBER
Gloria Farino, Gloria M. Farino, Anne Amborsio	See Registry or attached	( ) contact lawyers

16. PREPARER

Name	Title and Organization
Michael J. Komoroske	Environmental Engineer

Telephone Number	Date	Signature
(518) 457-0639	11/6/90	Michael J. Komoroske

John D. Swartwout, Chief, Eastern Investigation Section, 11-16-90

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL REPORT

CLASSIFICATION CODE: D1 REGION: 1 SITE CODE: 152128
EPA ID:

NAME OF SITE : AMFAR Asphalt Corp.
STREET ADDRESS: Town Line Road

TOWN/CITY:	COUNTY:	ZIP:
Smithtown	Suffolk	11754

SITE TYPE: Open Dump-X Structure- Lagoon- Landfill- Treatment Pond-
ESTIMATED SIZE: 15 Acres

SITE OWNER/OPERATOR INFORMATION:
CURRENT OWNER NAME....: ** Multi - Owner Site **
CURRENT OWNER ADDRESS.: * * * * *
OWNER(S) DURING USE...: AMFAR Asphalt Corp.
OPERATOR DURING USE...: AMFAR- Ambrosio, Farino and Farino
OPERATOR ADDRESS.....: 137 Old Northport Road, Kings Park, NY
PERIOD ASSOCIATED WITH HAZARDOUS WASTE: From 1960 To present

SITE DESCRIPTION:
This site is an informal unpermitted dumping area containing large amounts of waste asphalt and concrete. The site also contains numerous empty and open drums, including an empty new drum labelled perchloroethylene, large empty tanks, abandoned cars and machinery as well as possible additional buried waste. This site is located over the recharge zone of a primary aquifer.
The Town Code Enforcement Officer has issued summons for illegal dumping operating an illegal junkyard.
Phase II investigation has been completed.
The results of the Phase II Investigation could not confirm the disposal or the presence of hazardous waste at this site.

HAZARDOUS WASTE DISPOSED:	Confirmed-	Suspected-
	TYPE	QUANTITY (units)

SITE CODE: 152128

ANALYTICAL DATA AVAILABLE:
Air-X Surface Water- Groundwater-X Soil-X Sediment-

CONTRAVENTION OF STANDARDS:
Groundwater- Drinking Water- Surface Water- Air-

LEGAL ACTION:

TYPE..: State- Federal-
STATUS: Negotiation in Progress- Order Signed-

REMEDIAL ACTION:

Proposed- Under design- In Progress- Completed-
NATURE OF ACTION:

GEOTECHNICAL INFORMATION:
SOIL TYPE: Sand and gravel deposits of 200-300 ft. thick
GROUNDWATER DEPTH: approx. 100-120 ft.

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

None associated with the disposal of hazardous wastes.

ASSESSMENT OF HEALTH PROBLEMS:

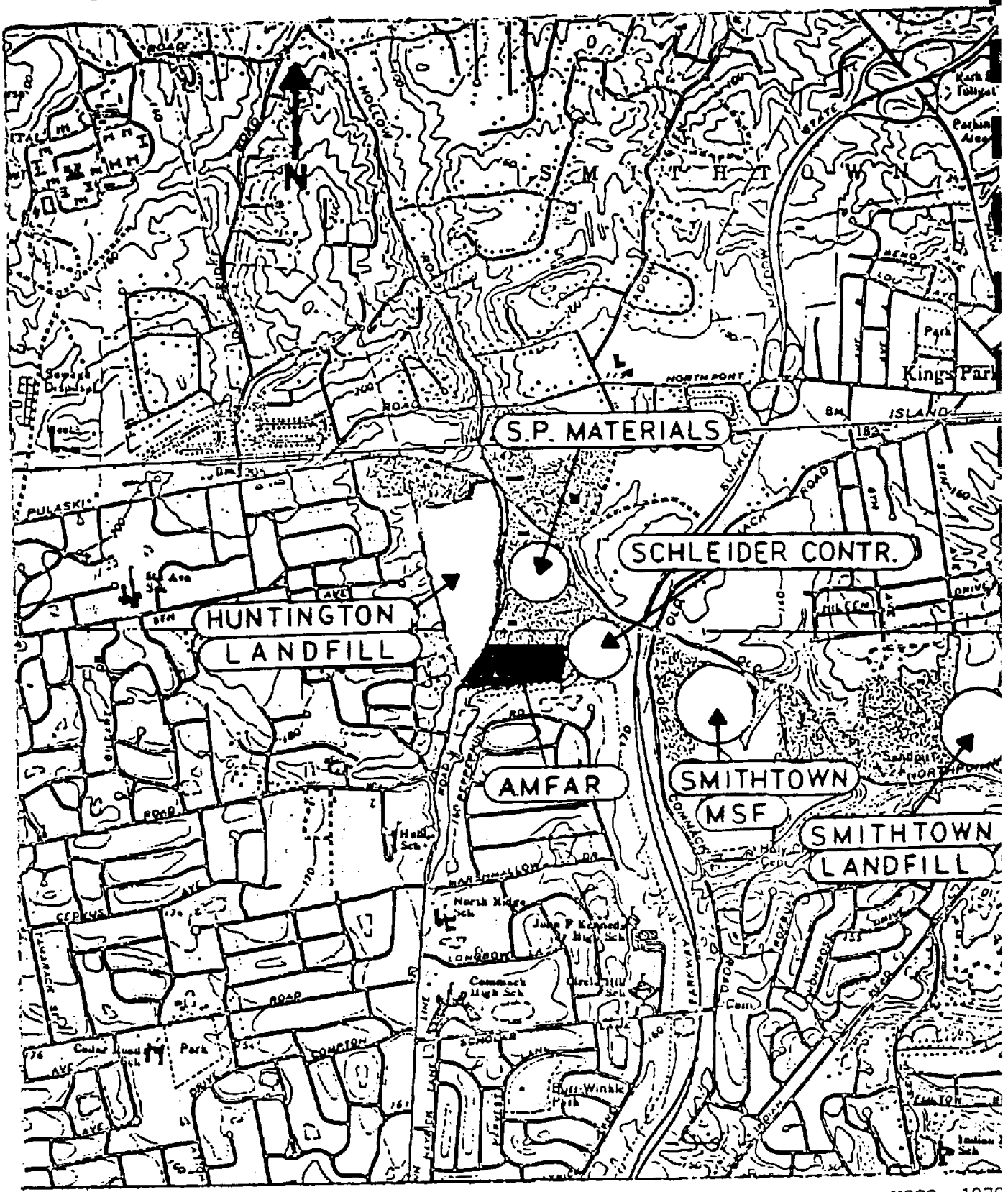
1.0 EXECUTIVE SUMMARY

The Amfar Asphalt Corporation Site is a sand and gravel excavation site, located approximately three miles south of the north shore of Long Island, on 21.3 acres along Town Line Road in Kings Park (Smithtown), Suffolk County, Long Island, New York (Figures 1.1 and 1.2). The site is located in an industrialized area in which there are several other sand and gravel operations.

The Farino family has owned the land since the early 1960's. Deed ownership is now recorded in the names of the Farino Brothers' wives and sister-in-law. The site is divided into two parcels -- a northern parcel of 11.9 acres and a southern parcel of 9.4 acres. The principal uses of the Amfar site property have been: 1) sand and gravel mining and 2) storage for the operations of the Amfar Asphalt Corporation.

Since the early 1960's, sand and gravel excavation has lowered the elevation of the property by approximately 30 feet. The site is now nearly level, at an elevation ranging from 117 feet to 127 feet above mean sea level (MSL). The Farinos use the property as a storage area for Amfar Asphalt Corporation machinery, equipment, and materials. Although site inspections have documented evidence of informal, unpermitted dumping at the Amfar site, the owners state that to their knowledge no dumping of hazardous materials has taken place on site. The site is partially fenced and a locked steel gate blocks vehicular entrance to the site. Presently, the site is moderately active and the sand and gravel mining operation continues in the northeast corner.

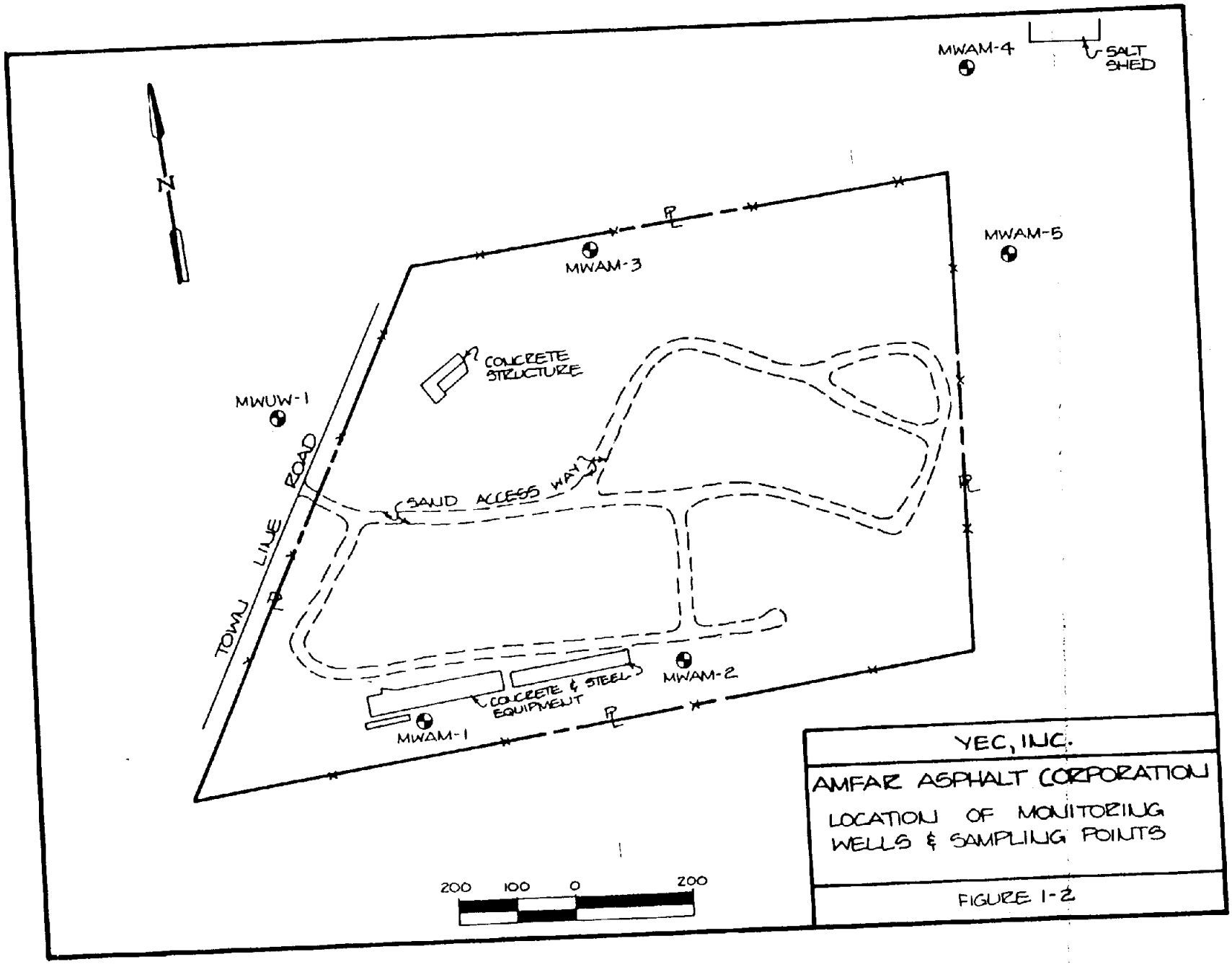
Northport and Greenlawn Quadrangles



Site Coordinates:
Latitude: 40° 52' 30"
Longitude: 73° 17' 20"

FIGURE 1.1 - SITE LOCATION MAP
Amfar Asphalt Corporation
Kings Park, New York

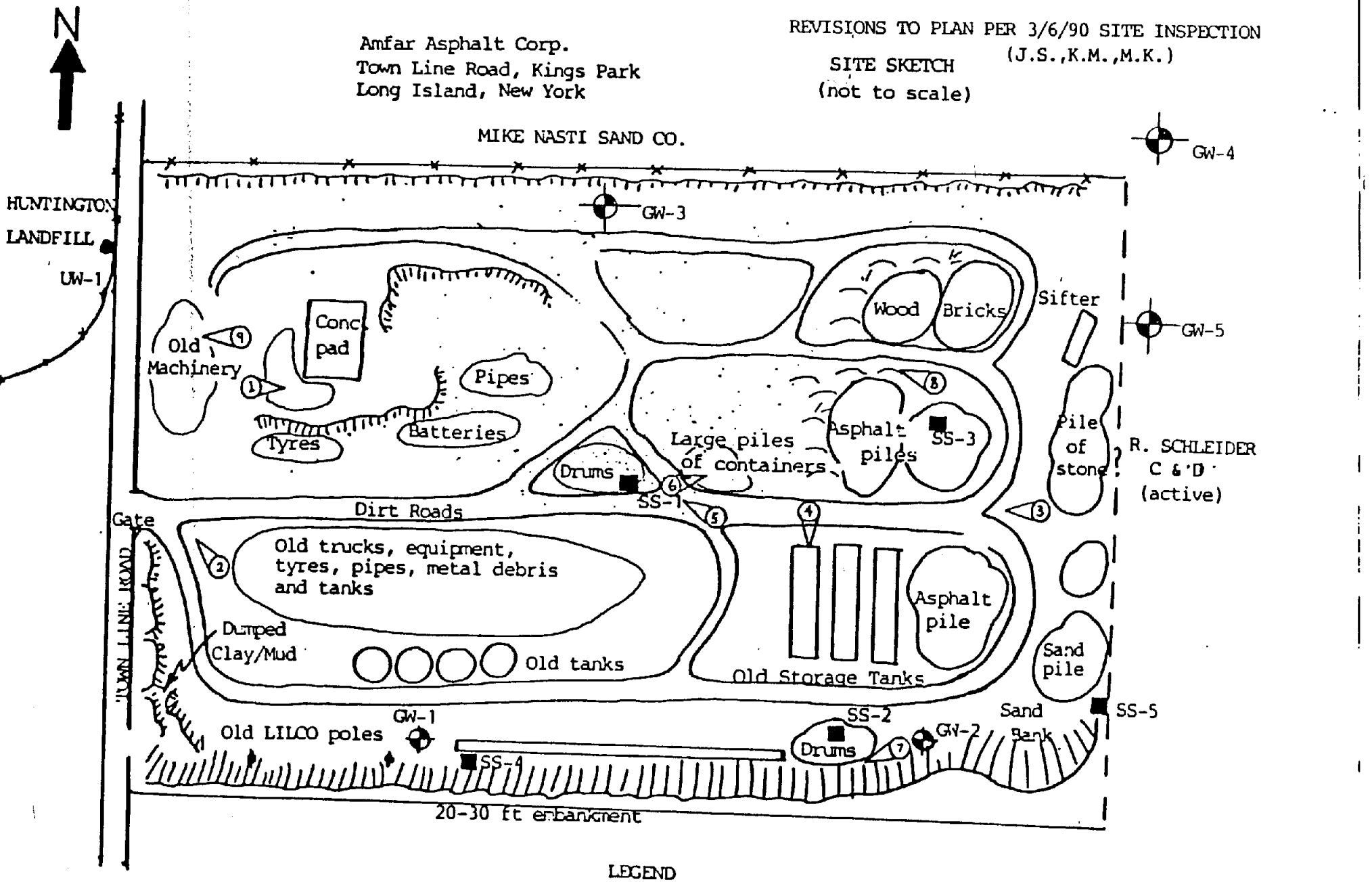
Source: USGS, 1979
Scale: 1"=2,000 ft


MWAM-4
SALT SHED
N
MWAM-3
MWAM-5
CONCRETE STRUCTURE
MWUW-1
TOWN LINE ROAD
SAND ACCESS WAY
MWAM-2
CONCRETE & STEEL EQUIPMENT
MWAM-1
200 100 0 200
YEC, INC.
AMFAR ASPHALT CORPORATION
LOCATION OF MONITORING WELLS & SAMPLING POINTS
FIGURE 1-2

Amfar Asphalt Corp.
Town Line Road, Kings Park
Long Island, New York

REVISIONS TO PLAN PER 3/6/90 SITE INSPECTION (J.S.,K.M.,M.K.)

SITE SKETCH
(not to scale)



LEGEND

- ● Huntington Landfill monitoring well
- ⊕ Phase II monitoring well
- ■ Phase II soil sample
- ⊙ indicates photo location and direction

There are no surface drainage channels on the Amfar site. Virtually all precipitation percolates through the sands and gravels to the deep unconfined aquifer below the site.

The site is bounded by Town Line Road to the west, by the Mike Nasti Sand Company to the north, by the Schleider Contracting Corporation (also known as Lerta Materials) to the east, and by a LILCO right of way and residential land to the south. The Huntington Town Landfill, also known as the East Northport Landfill, occupies about 50 acres, and is situated to the northwest diagonally across Town Line Road from the Amfar Site. The Huntington Town Landfill, in operation since the late 1930's, presently dominates the local environmental setting. Previous reports suggest that a leachate plume from the landfill moves in a northeastern direction. Additional land uses which may influence the environment in the vicinity of the Amfar Site include a salt storage facility on the Schleider property, S.P. Materials, Inc. -- a sand and gravel operation to the north, the Smithtown Landfill -- located off Old Northport Road, and the Smithtown Sanitary Landfill, also located off Old Northport Road.

A records search indicated that no previous sampling had been conducted at the Amfar Asphalt Corporation Site. There is no previous conclusive documentation of hazardous waste disposal at the site. Two site inspections conducted by YEC, Inc., on March 2, 1989 and March 6, 1990, did not produce conclusive evidence of hazardous waste disposal on site.

On December 5, 1989, the Smithtown Code Enforcement Bureau cited seven code violations at the Amfar Asphalt Corporation property at Townline Road. Anthony Farino, Gloria Farino, Jack Farino, and Gloria M. Farino were each served with a summons for the seven code violations. Each code violation is related to the use of the site as a junkyard. The case is still pending in court (as of 9/24/90).

The Phase II Investigation activities included:

- o Record Search
- o Air Monitoring
- o Subsurface Investigation
- o Monitoring Well Investigation
- o Sampling and Analysis
- o Site Surveying
- o HRS Scoring
- o Report Preparation.

Results of this study indicate that some heavy metals (cadmium, chromium, and lead) are present in unfiltered groundwater from monitoring wells located on the site (in MWAM-2) and downgradient of the site (MWAM-4 and MWAM-5). However, the unfiltered groundwater samples were very turbid. Heavy metals such as cadmium, chromium, and lead are strongly associated with suspended solids in turbid groundwater, and the concentration ranges of these heavy metals were only marginally outside the state standards (cadmium at 6.3 to 25.6 ppb, chromium at 25.2 to 84.8 ppb, and lead at 4.2 to

54.3 ppb). The concentrations of the heavy metals cadmium, chromium, and lead were negligible in the filtered groundwater samples.

Volatile organic analysis of the groundwater samples showed low concentrations of chloroform (6 ppb), trichloroethene (5 ppb), and 1,1,2-trichloroethane (6 ppb) for the downgradient sample MWAM-3. The chloroform concentration of 6 ppb slightly exceeded the state drinking water standard of 5 ppb. The trichloroethene concentration of 5 ppb was equal to the state drinking water standard (also 5 ppb). For 1,1,2-trichloroethane there is no state drinking water standard, but the class GA groundwater guidance value is 0.6 ppb. The reported concentrations of these three volatile organic compounds were only slightly higher than their Contract Required Quantitation Limit (CRQL) of 5 ppb.

Target Compound List semivolatile organics and pesticides/PCBs were not detected in any of the groundwater samples.

Chemical laboratory analysis of two split spoon soil samples showed presence of some inorganics, but none of the inorganics exceeded the typical ranges for native soils. Target Compound List semivolatile organics and pesticides/PCBs were not detected in the split spoon samples.

The Hazard Ranking System (HRS) scores were as follows. The overall migration score (S_M) was 37.93, with a groundwater route score (S_{GW}) of 65.62, a surface water route score (S_{SW}) of 0.00, and an air route score (S_A) of 0.00. The fire and explosion score (S_{FE}) was not scored because the Amfar Asphalt site was not declared as a hazard

for fire or explosion by the fire marshal. The direct contact score (S_{DC}) was 0.00. The Hazard Ranking System (HRS) score was scored conservatively, using MWAM-1 as representative of the upgradient groundwater conditions.

Although the Amfar Asphalt Corporation site received a relatively high Hazard Ranking System (HRS) groundwater route migration score ($S_{GW} = 65.62$), the groundwater contaminant scored for, chromium, may not be in solution in the groundwater.

The regional hydrogeological conditions are such that contaminants may migrate across relatively long distances in a relatively short amount of time. Since the aquifers underlying the Amfar site are regional groundwater systems of high permeability, it is difficult to pinpoint potential upgradient sources of any contaminants detected.

Based on the findings of this Phase II Investigation, we recommend the following:

1) Since there is no previous conclusive documentation of hazardous waste disposal on the site, and there is no conclusive evidence of hazardous waste disposal related problems at the Amfar Asphalt Corporation Site, the site should be delisted.

2) A regional hydrogeological investigation should be conducted because several NYSDEC Superfund listed sites exist in the vicinity of the Amfar Asphalt Corporation Phase II site. Any of these Superfund listed sites may be affecting

groundwater conditions in the region. A regional investigation would be helpful to provide an overall picture of the sources of contamination and to assess the hydrogeological relationships between the Amfar Asphalt site, the Schleider Contracting Corporation site, the Huntington Landfill site, and several other Superfund listed sites in the general vicinity. Also, a regional study could examine the possibility of contaminant sources upgradient (to the southwest) of the Amfar Asphalt Corporation site. The following sites could be included in a regional investigation:

The Amfar Asphalt Corporation Site;

The Schleider Contracting Corporation Site;

The Huntington Landfill Site;

The Smithtown Landfill Site;

The Smithtown Sanitary Landfill Site; and

The S.P. Materials Site.

TABLE 4.4
SUMMARY OF INORGANIC ANALYSIS OF UNFILTERED GROUNDWATER SAMPLES
AMFAR ASPHALT CORPORATION SITE
(ug/l)

Parameter	MWAM-1	MWAM-2	MWAM-3	MWAM-4	MWAM-5	NYSDEC Groundwater Standards	NYSDOH Drinking Water Standards	Typical Natural Concentrations in Groundwater*
Aluminum	4,800	42,600	945	21,500	61,700	NS	NS	<5.0-1000
Antimony	U	U	U	U	U	NS	NS	NS
Arsenic	5.1 BN	10.5 N	U	9.6 BN	17.6 SN	25	50	<1.0-30
Barium	U	305	U	226	375	1,000	1,000	10-500
Beryllium	U	6.7	U	5.0	7.7	3 G	NS	<10
Cadmium	6.3	25.6	U	7.3	23.7	10	10	<1.0
Calcium	16,600	12,300	8,220	32,600	81,900	NS	NS	1,000-150,000 H
Chromium	U	60.0	U	25.2	84.8	NS	50	<1.0-5.0
Cobalt	U	105	U	U	69.2	NS	NS	<10
Copper	U	112	U	57.9	110	1,000	1,000	<1.0-30
Iron	17,300	116,000	2,440	56,500	146,000	300	300	10-10,000
Lead	11.2 SN	44.7 SN	4.2 B	50.2 SN	54.3 SN	25	50	<15
Magnesium	U	14,500	U	11,000	29,300	35,000 G	NS	1,000-50,000 H
Manganese	621	7,190	378	3,470	8,990	300	300	<1.0-1,000
Mercury	0.21	0.64 ND	U	NU	U	2	2	<1.0
Nickel	U	99.1	U	U	63.1	NS	NS	<10-50
Potassium	U	7,800	U	5,310	15,300	NS	NS	1,000-10,000
Selenium	U	U	U	U	U	20	10	<1.0-10
Silver	U	U	U	U	U	50	50	<5.0
Sodium	U	5,330	U	40,200	55,900	NS	NS	500-120,000 H
Thallium	U	U	U	U	U	4 G	NS	NS
Vanadium	U	123	U	56.9	164	NS	NS	<1.0-10
Zinc	41.8	233	26.4	134	224	5,000	5,000	<10-2000
Cyanide	U	U	U	U	U	200	NS	NS

U - Indicates compound was analyzed for but not detected.
B - Concentration is less than the contract required detection limit but greater than the instrument detection limit.
N - Spiked sample recovery not within control limits.
S - Reported value was determined by the Method of Standard Additions (MSA).
D - Duplicate analysis not within control limits.
NU - Not Usable.

Heavy metal concentrations greater than state standards have been underlined.

NS - Not specified.
G - Guidance value.
H - Typical natural concentrations in relatively humid regions.

* From Dragun, 1988. The Soil Chemistry of Hazardous Materials.

Calcium and sodium were found in the filtrate samples MWAM-2F (8,650 ppb calcium and 4,150 ppb sodium), MWAM-4F (29,500 ppb calcium and 41,600 ppb sodium), and MWAM-5F (77,000 ppb calcium and 54,200 ppb sodium) in concentrations only slightly lower than the respective concentrations detected in the unfiltered samples. Aluminum, iron, magnesium, and manganese were detected in lower concentrations in the filtrates than in the respective unfiltered samples.

Volatile Organic Analysis

Volatile organic analysis showed low concentrations of chloroform (6 ppb), trichloroethene (5 ppb), and 1,1,2-trichloroethane (6 ppb) in groundwater sample MWAM-3. For chloroform, the 6 ppb concentration was slightly above the state drinking water standard of 5 ppb. Chloroform, also known as trichloromethane, is used in fluorocarbon plastics, solvents, analytical chemistry fumigants, and insecticides (Appendix A, Ref. 25). The concentration of trichloroethene (5 ppb) in sample MWAM-3 was equal to the state drinking water standard of 5 ppb. Trichloroethene, also known as trichloroethylene, is used in metal degreasing, solvent extraction for oils, fats, and waxes, solvent dyeing, dry cleaning, refrigerant and heat exchanging, fumigation, cleaning and drying electronic parts, diluent in paints and adhesives, textile processing, and in aerospace operations (Appendix A, Ref. 25). The 6 ppb concentration of 1,1,2-trichloroethane is only slightly higher than the state drinking water standard of 5 ppb.

1,1,2-trichloroethane is used as a solvent for fats, oils, waxes, resins, and other products (Appendix A, Ref. 25). The CRQL is 5 ppb for each of the three volatile organics found in groundwater sample MWAM-3.

4.5.3 SOIL ANALYTICAL RESULTS

Chemical Analysis of Soil Samples

Split spoon soil samples for chemical laboratory analysis were collected during drilling of borings MWAM-2 and MWAM-3. The sample taken from MWAM-2 for volatile organic analysis was taken at a depth of 64 to 66 feet. The sample taken from MWAM-2 for inorganic, semivolatile organic, and pesticides/PCBs analyses was taken at a depth of 66 to 68 feet. The sample taken from MWAM-3 for inorganic, volatile organic, semivolatile organic, and pesticide/PCBs analyses was taken at a depth of 54 to 56 feet. Volatile organic, semivolatile organic, and pesticide/PCBs analyses of these soil samples showed no presence of target compounds above contract detection limits. Complete analytical results for the soil samples can be found in Appendix D.

Inorganic analysis of the soil samples is summarized in Table 4.6. The split spoon samples that were chemically analyzed are referred to as SSAM-2 and SSAM-3. Samples SSAM-2 and SSAM-3 exhibited concentrations of aluminum (1,060 mg/kg and 940 mg/kg, respectively), chromium (4.8 mg/kg and 5.3 mg/kg, respectively), iron (2,750 mg/kg and 3,190 mg/kg, respectively), lead (0.92 mg/kg and 0.87 mg/kg, respectively), and manganese (108 mg/kg and 36.2 mg/kg respectively) above the contract detection limits,

EPA

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER

II. CURRENT OWNER(S)

01 NAME	02 D+B NUMBER
Gloria Farino	

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

05 CITY	06 STATE	07 ZIP CODE
Kings Park	NY	11754

01 NAME	02 D+B NUMBER
Gloria M. Farino	

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

05 CITY	06 STATE	07 ZIP CODE
Kings Park	NY	11754

01 NAME	02 D+B NUMBER
Anne Ambrosio	

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

05 CITY	06 STATE	07 ZIP CODE
Kings Park	NY	11754

01 NAME	02 D+B NUMBER

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

05 CITY	06 STATE	07 ZIP CODE

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
Anthony Farino	

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

05 CITY	06 STATE	07 ZIP CODE
Kings Park	NY	11754

01 NAME	02 D+B NUMBER
Jack Farino	

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

05 CITY	06 STATE	07 ZIP CODE
Kings Park	NY	11754

01 NAME	02 D+B NUMBER

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

05 CITY	06 STATE	07 ZIP CODE

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)

Anthony Farino