NYSEG
PENN YAN - WATER ST.
MARCH 1992

FILE COPY

SLC CONSULTANTS/
CONSTRUCTORS, INC.

SUMMARY REPORT

NEW YORK STATE ELECTRIC & GAS

PENN YAN, NEW YORK

MARCH 1992

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EXECUTIVE SUMMARY

Background - During the fall of 1991 New York State Electric and Gas began a site investigation at the former Manufactured Gas Plant (MFG) located on the Keuka Lake Outlet, Penn Yan, New York. Based on the findings of this investigation a remedial action health and safety plan was developed for the removal of the tank. After review by the New York State Department of Environmental Conservation (NYSDEC) and modification required by the NYSDEC a final plan was issued. This plan is dated January 23, 1992.

Mobilization and set-up began on February 24, 1992, and the project was substantially completed on March 13, 1992. Site grading and seeding was performed in May following the off-site disposal of stored wastes. Vegetative cover along the Keuka Outlet has been established as of this writing. The sand bag dike is still in place pending any possible future actions.

The daily progress reports of the job plus air monitoring and photographs are compiled in this summary report.

All site visitors were required to "sign-in and sign-out". Please refer to the site attendance sheets.

A videotape was made of the various stages of the remediation by New York State Electric & Gas (NYSEG). The contractor provided 35mm photographs of various stages of the operation. These photographs are included in this summary report.

The tank removal and cleaning progressed without incident. The only problem was the amount of foreign material in the tank and the high viscosity of the coal tar. Sticks, stones, bottles, wood, cans and various debris were in the coal tar and required "hand" removal. The vacuum truck was unable to "suck" the coal tar at a reasonable flow rate because of the high viscosity.

All wastes and the tank were disposed of by an independent contractor at approved off site disposal facilities.

No accidents, injuries or spills occurred during the remediation.

Donald J. Kuhn, President
SLC Consultants/Constructors, Inc.
June 24, 1992

DAILY CONSTRUCTION REPORT

DATE 2/24/92

DAY S (M) T W TH F S

PROJECT Penn Yan Tank Removal
JOB NO. 92-09
CLIENT NYSEG
CONTRACTOR SLC
PROJECT MANAGER Don Kuhn

WEATHER: SUN | (CLEAR) | OVERCAST | RAIN | SNOW
TEMP: TO 32 | (32-50) | 50-70 | 70-85 | 85 UP
WIND: STILL | (MODER) | HIGH
HUMIDITY: DRY | (MODER) | HUMID
REPORT NO. 1

AVERAGE FIELD FORCE

NAME OF CONTRACTOR	NON-MANUAL	MANUAL	REMARKS
SLC CONSULTANTS/CONSTRUCTORS, INC. and Empire Soils			

VISTORS

TIME	REPRESENTING	REPRESENTING	REMARKS
See separate sheet for 2/24/92			

EQUIPMENT AT THE SITE

Mack dump truck & 9 ton equipment trailer
E-30 Van - 150 Van, Dodge pu truck
Cat 215 B Excavator
Ford 555 TLB

CONSTRUCTION ACTIVITIES 7:00 am until 10:30 am

Mobilize men and equipment from SLC yard Lkpt. NY to NYSEG.
Water St. Penn Yan, NY

10:30 am to 3:30 PM

Unload vehicles
Establish support zone
Safety orientation meeting w/all personnel including NYSEG & DEC
Begin filling sandbags. 215B Excavator clears sand bag berm area.
All work ceases and building is secured at 3:30 pm - Total 8 hrs. 6 men.
110 bags filled w/S-G mix

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1. PROJ. MGR.
2. FIELD OFFICE
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4. CLIENT

BY [illegible] TITLE [illegible]

DAILY CONSTRUCTION REPORT

DATE 2/25/92

DAY S M (T) W TH F S

PROJECT Penn Yan - Tank Removal
JOB NO. 92-09
CLIENT NYSEG
CONTRACTOR SLC
PROJECT MANAGER Don Kuhn

WEATHER	SUN	CLEAR	(OVERCAST)	RAIN	SNOW
TEMP.	TO 32	(32-50)	50-70	70-85	85 UP
WIND	(STILL)	MODER	HIGH	REPORT NO.	2
HUMIDITY	DRY	MODER	HUMID		

AVERAGE FIELD FORCE

NAME OF CONTRACTOR	NON-MANUAL	MANUAL	REMARKS
SLC CONSULTANTS/CONSTRUCTORS, INC. & Empire Soil			

VISITORS

TIME	REPRESENTING	REPRESENTING	REMARKS
See separate sheet for 2/25/92			

EQUIPMENT AT THE SITE

Mack Truck and 9 ton trailer
Ford Van
Chevy Van
Dodge PU

Cat 215B Excavator
Ford 555 TLB

CONSTRUCTION ACTIVITIES

On site at 6:30 am
Work begins loading sand bags & construction of sandbag berm.
555 TLB is used to haul sand & gravel to bag filling area
215 B Cat Excavator is used to place sand bags on berm
Work areas are now secured by barrier fence
9:30 am Empire technician arrives and begins background sampling
4 additional loads of san-gravel mix arrives through out the work day
625 bags of sand/gravel mix are placed into berm construction
Secured and offsite at 4:30 pm - 10½ hrs. total 6 men

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BY [illegible] TITLE [illegible]

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DAILY CONSTRUCTION REPORT

DATE 2/26/92

DAY S M T (W) TH F S

PROJECT Penn Yan - Tank Removal

JOB NO. 92-09

CLIENT NYSEG

CONTRACTOR SLC

PROJECT MANAGER Don Kunn

WEATHER (SUN) CLEAR OVERCAST RAIN SNOW

TEMP TO 32 (32-50) 50-70 170-85 85 UP

WIND (STILL) MODER HIGH REPORT NO. 3

HUMIDITY DRY MODER HUMID

AVERAGE FIELD FORCE

NAME OF CONTRACTOR	NON-MANUAL	MANUAL	REMARKS
SLC CONSULTANTS/CONSTRUCTORS, INC. (& Empire Soils)			

VISITORS

TIME	REPRESENTING	REPRESENTING	REMARKS
See separate sheet 2/26/92			

EQUIPMENT AT THE SITE

Jack dump truck and 9 ton low boy trailer Ford 555 TLB
Chev E-30 Van
Ford Van
Dodge PU
Cat 215B Excavator

CONSTRUCTION ACTIVITIES On site at 7:00 am

7:00 am to 7:20 am tool box and tailgate safety meeting. Review job site hazardous
Finished filling and stacking sand bag berm at 4:00pm Total count 1,213 bags.
Balance of day spent constructing bulk storage area and drum storage area, and
decon area.
Secured and off site at 6:15 pm

DEC gives verbal ok to start excavation tomorrow 2/27/92
As soon as air monitoring is in place.
Extra lumber for tables and soil storage is picked up and assembled.

Total 11 hrs 6-men

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BY [signature] TITLE Supt.

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DAILY CONSTRUCTION REPORT

DATE 2/27/92

DAY S M T W (TH) F S

PROJECT Penn Yan - Tank Removal

JOB NO. 92-09

CLIENT NYSEG

CONTRACTOR SLC

PROJECT MANAGER Don Kunn

WEATHER (SUN) CLEAR / OVERCAST RAIN SNOW

TEMP (BELOW 32) 32-50 50-70 70-85 85 UP

WIND (STILL) BREEZE HIGH REPORT NO. 4

HUMIDITY DRY (MODER) HUMID

AVERAGE FIELD FORCE

NAME OF CONTRACTOR	NON-MANUAL	MANUAL	REMARKS
SLC CONSULTANTS/CONSTRUCTORS, INC. (& Empire Soils)			

VISITORS

TIME	REPRESENTING	REPRESENTING	REMARKS
see separate visitor sheet			

EQUIPMENT AT THE SITE

Mack Truck & 9 ton lowboy
Chevy Van
Ford Van, Dodge PU
Cat 215 Excavator
Ford 555 TLB

CONSTRUCTION ACTIVITIES

On site at 7:00 am

Final preparation for personnel decon area finished
Scope of work is discussed with NYSEG's Keith Day, the DEC and Empire personnel.
All agree to Decon procedure. air monitoring is in place
Excavation begins at 9:00 am. No response on HNU
Clean Harbors trailer arrives at 9:15 am is told to stand by
Excavation continues until 2:30 pm at which time an attempt is made to pump the water off the top of the cold tar tank. Approximate 500 gallons is removed when the tar water mix stops pumping opr. Decision is made to use Clean Harbors to vac out any flowable material. Excavation continues until 5:00 pm.
Secured and offsite at 5:30 pm 10½ hrs 4 men.

DISTRIBUTION
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3. FILE
4. CLIENT

PAGE 1 OF 1 PAGES

BY [signature] TITLE Supt.

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DAILY CONSTRUCTION REPORT

DATE 2/28/92

DAY S M T W TH (F) S

PROJECT Penn Yan - Tank Removal

JOB NO. 92-09

CLIENT NYSEG

CONTRACTOR SLC

PROJECT MANAGER Don Kunn

WEATHER	SUNNY	CLEAR/OVERCAST	RAIN	SNOW	
TEMP.	TO 32 / 32-50	50-70	70-85	85 UP	
WIND	STILL	MODER	HIGH	REPORT NO.	
HUMIDITY	DRY	MODER	HUMID	#5	

AVERAGE FIELD FORCE

NAME OF CONTRACTOR	NON-MANUAL	MANUAL	REMARKS
SLC CONSULTANTS/CONSTRUCTORS, INC. (& Empire Soils)			

VISITORS

TIME	REPRESENTING	REPRESENTING	REMARKS
See separate	sign in sheet		

EQUIPMENT AT THE SITE

Mack truck & 9 ton lowboy
Chevy cube van
Ford Van
Dodge pu
Cat 215 & Ford 555

CONSTRUCTION ACTIVITIES - Arrive on site 7:00 am
Work continues excavation last section of top of tank.
9:30 am crew from Clean Harbor arrive. They feel material will vacuum up into trailer.
Excavation continues until 11:00 am
11:15 am Clean Harbors spots vac trailer and begins vacuuming coal tar, work goes slowly with many interruptions for blocked hose
Several attempts are made to place strainer over end of vac hose with limited success.
Work ceases at 4:15 pm will continue Mon. 3/2/92
4:15 until 5:00 pm - secure area and poly cover excavate area and spoil pile.
Secured and offsite at 5:05 pm (notified police that SLC will not be in area over the weekend. Also left emergency numbers with them in case of a problem.

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BY [signature] TITLE Supervisor

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DAILY CONSTRUCTION REPORT

DATE 3/2/92

DAY S (M) T W TH F S

PROJECT Penn Yan - Tank Removal

JOB NO. 92-09

CLIENT NYSEG

CONTRACTOR SLC

PROJECT MANAGER Don Kunn

WEATHER SUN (CLOUDY) RAIN SNOW

TEMP (30-40) 50-70 70-85 85 UP

WIND (CALM) MODERATE HIGH REPORT NO. 6

HUMIDITY DRY (MODERATE) HUMID

AVERAGE FIELD FORCE

NAME OF CONTRACTOR	NON-MANUAL	MANUAL	REMARKS
SLC CONSULTANTS/CONSTRUCTORS, INC. (& Empire Soils)			

VISITORS

TIME	REPRESENTING	REPRESENTING	REMARKS
see separate sign in sheet			

EQUIPMENT AT THE SITE

Mack truck and 9 ton trailer
Chevy Van
Ford Van
Dodge PU.
Cat 215 & Ford 555 TLB

CONSTRUCTION ACTIVITIES

Arrived on site at 7:00 am (brief safety meeting)
Work begins cutting top third of tank.
9:30 am Clean Harbor arrives and begins vacuuming coal tar tank.
Work progress is very slow due to cold air temp and heavier sludge in the tar.
11:30 am NYSEG's Keith Day feels we could remove tar faster by going to the bucket and barrel method. 11:45 am Clean Harbors stops vacuum operation. (Kevin Stockburger off at noon with flu.) 12:30 pm SLCsets up for drum operation. First attempt to remove tar with plastic buckets ends in failure. The tar is just to thick and heavy to bail out. Second attempt with 30 gal barrel strapped to Cat 215 bucket is much more practical. Approximate 300 gal coal tar are removed. Inside sump was opened up and 1 drum water and one drum sludge removed. Area covered and secured at 5:00 pm.

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DAILY CONSTRUCTION REPORT

DATE 3/3/92

DAY S M T W TH F S

PROJECT Penn Yan - Tank Removal

JOB NO. 92_09

CLIENT NYSEG

CONTRACTOR SLC

PROJECT MANAGER Don Kunn

WEATHER SUNNY CLEAR/OVERCAST RAIN SNOW

TEMP 20's 30's 50-70 70-85 85 UP

WIND STILL MODER HIGH REPORT NO. 7

HUMIDITY DRY MODER HUMID

AVERAGE FIELD FORCE

NAME OF CONTRACTOR	NON-MANUAL	MANUAL	REMARKS
SLC CONSULTANTS/CONSTRUCTORS, INC. (& Empire Soils)			

VISTORS

TIME	REPRESENTING	REPRESENTING	REMARKS
see separate sign in sheet			

EQUIPMENT AT THE SITE

Mack truck & 9 ton trailer
Chevy Van
Ford Van
Dodge pu truck

CONSTRUCTION ACTIVITIES - arrived on site at7:00 am

Several changes are made in regards to the drum filling area with four heavy planks. The drums are now loaded over the tank eliminating the spillage problem. Also the plastic drum liners are being used to cover the outside of the drums while filling, reducing the time needed to clean drums before storage. Also a small dock was built by the the small door at the same level as the garage floor, for easy drum moving. The Cat 215 has become the lynch pin of the operation, loading 4 or 5 drums at a time and then moving the drums to the drum dock. The DEC & NYSEG have expressed satisfaction of methods used because of keeping the area clean and the drums out of sight. It should be pointed out that at this point extremely heavy tar & sludge are being encountered, everybody wants the operation to move faster. Additional 2x4's & plywood are used to secure and cover the tank along with a poly cover. 26 drums are removed today. Approximately 1300 gal. secured and offsite at 5:30 pm - 9 hrs. 4 men

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DAILY CONSTRUCTION REPORT

DATE 3/4/92

DAY S M T (W) TH F S

PROJECT Penn Yan - Tank Removal

JOB NO. 92-09

CLIENT NYSEG

CONTRACTOR SLC

PROJECT MANAGER Don Kunn

WEATHER (SUN) CLOUDY OVERCAST RAIN SNOW

TEMP 70's (80-90) 60-70 40-50 30's

WIND STILL (BREEZE) HIGH REPORT NO. 8

HUMIDITY DRY (MOSS) HUMID

AVERAGE FIELD FORCE

NAME OF CONTRACTOR	NON-MANUAL	MANUAL	REMARKS
SLC CONSULTANTS/CONSTRUCTORS, INC. (& Empire Soils)			

VISITORS

TIME	REPRESENTING	REPRESENTING	REMARKS
see sign in sheet			

EQUIPMENT AT THE SITE

Mack truck & 9 ton lowboy.	Cat 215 Excavator
Chevy van	Ford 555 TLB
Ford van	
Dodge PU	

CONSTRUCTION ACTIVITIES - arrive on site 7:00 am

Work continues removing tar from tank. At midmorning a change is made from using 30 gal drum to 55 gal drum attached to 215 excavator for bailing out tar. Dirt and debris located in center of tank makes a very difficult job of removal. Bucket of 215 is covered with HDP and duct tape is used to mix in debris and tar. Work proceeds until late afternoon when hand shoveling is started from inside the tank. Several holes are encountered in bottom of tank and ground water is encountered. Plug & dyke & pig putty is used to stop infiltrating ground water. Offsite and secured at 6:30 pm 11 hrs. 4 men

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DAILY CONSTRUCTION REPORT

DATE 3/5/92

DAY S M T W (TH) F S

PROJECT Penn Yan - Tank Removal

JOB NO. 92-09

CLIENT NYSEG

CONTRACTOR SLC

PROJECT MANAGER Don Kunn

WEATHER (SUN) CLOUDY/OVERCAST RAIN SNOW

TEMP 30-35 35-45 45 UP

WIND STILL (BREEZE) HIGH REPORT NO. 9

HUMIDITY (DRY) MOIST HUMID

AVERAGE FIELD FORCE

NAME OF CONTRACTOR	NON-MANUAL	MANUAL	REMARKS
SLC CONSULTANTS/CONSTRUCTORS, INC. (& Empire Soils)			

VISITORS

TIME	REPRESENTING	REPRESENTING	REMARKS
see separate sign in sheet			

EQUIPMENT AT THE SITE

Chevy Van	Cat 215 Excavator
Ford van	Mack truck & 9 ton lowboy
Dodge PU	Ford 555 TLB

CONSTRUCTION ACTIVITIES - Arrive on site 7:00 am

Work continues in preparation for removal of coal tar tank. Infiltration of ground water into tank has not been as bad as expected. Clean Harbors arrives at 7:30 am and begins pumping out accumulated water in tank. SLC preps tank by cutting slots in west end of tank for secure lifting. Doubts of being able to lift tank without further excavation are expressed by DEC, NYSEG, Clean Harbors, etc. Some gentle diplomacy is used and at about 10:30 am the tank is pulled out with very little difficulty. A large valve is found on bottom center of tank. It's removed and tank is secured out of the way on HDPE next to bldg. Cat 215 proceeds to clean up visable contamination within reach. Mack dump truck is used to haul contaminated soil to spoil pile. Spoil pile is enlarged to accommodate extra material.
SLC expresses grave concern about overextending excavation area without starting backfill operations. (see other side)

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BY [illegible] TITLE [illegible]

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3/5/92

It is noted here that after much discussion between NYSEG, DEC, & SLC, the DEC gave the noc to begin backfill operation before proceeding any further with visible contaminated soil removal. The reasons being given were on account of the extreme proximity to the Keuka lake outlet stream and nearly 4' below stream level excavation depth.

The eminent danger of excavation collapse and at that point not being able to control the consequenses of that kind of scenario.

The DEC further suggested that poly be laid against the existing exposed bank to mark limits of backfill and to reduce chance of contaminating back fill material.

This being accomplished back fill and compaction operation was begun in ernest.

The DEC & NYSEG are considering how much further to pursue excavation, will have answer tomorrow am. However, consideration of Friday's weather (tomorrow) will be taken into account. Heavy rains are predicted.

Because of the seriousness of the backfill operation the crew works to 7:00 pm to insure stability of excavation area.

- Offsite and secure at 7:00 pm

DAILY CONSTRUCTION REPORT

DATE 3/6/92

DAY S M T W TH (F) S

PROJECT Penn Yan - Tank Removal

JOB NO. 92-09

CLIENT NYSEG

CONTRACTOR SLC

PROJECT MANAGER Don Kunn

WEATHER SUN (CLEAR) OVERCAST RAIN SNOW

TEMP FREEZE (COOL) WARM HEAT UP

WIND STILL (MODER) HIGH REPORT NO. 10

HUMIDITY DRY (MODER) HUMID

AVERAGE FIELD FORCE

NAME OF CONTRACTOR	NON-MANUAL	MANUAL	REMARKS
SLC CONSULTANTS/CONSTRUCTORS, INC. (& Empire Soils)			

VISITORS

TIME	REPRESENTING	REPRESENTING	REMARKS
see separate sign in sheet			

EQUIPMENT AT THE SITE

Mack dump truck & 9 ton low boy
Chevy van, Ford van
Dodge PU
Cat 215 Excavator
Ford 555 Trl.

CONSTRUCTION ACTIVITIES - Arrive on site 7:00 am

Advised by NYSEG (David Darling) to continue contaminated soil excavation. This neccessitates a 3rd addition to the dump area. Wayne & Kevin proceed to enlarge same with HDP & additional lumber. Concern by all parties over rain at any moment.

At noon NYSEG & DEC agree to stop removing visible tar past the immediate area of the tank. A monitoring well is suggested and agreed to. SLC will furnish well per NYSEG specs. All parties request to be present when well is installed. Backfilling & compacting continues rest of afternoon. Kevin & Wayne work on inside sump, removing sludge and cleaning inside.

At 5:30 pm preparations are made to close and secure site for the weekend. Spoil piles are covered. Coal /tar tank is recovered. barricades are installed and housekeeping is completed by 7:00 pm. 4 men - 11½ hrs.

DISTRIBUTION
1. PROJ. MGR.
2. FIELD OFFICE
3. FILE
4. CLIENT

BY [signature] TITLE [illegible]

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DAILY CONSTRUCTION REPORT

DATE 3/9/92

DAY S (M) T W TH F S

PROJECT Penn Yan - Tank Removal

JOB NO. 92-09

CLIENT NYSEG

CONTRACTOR SLC

PROJECT MANAGER Don Kunn

WEATHER SUN (PT CAS) (OVERCAST) RAIN SNOW

TEMP (TO 32) (32-50) 50-70 (70-85) OVER 85

WIND STILL (MODER) HIGH

HUMIDITY DRY (MODER) (HUMID)

REPORT NO. 11

AVERAGE FIELD FORCE

NAME OF CONTRACTOR	NON-MANUAL	MANUAL	REMARKS
SLC CONSULTANTS/CONSTRUCTORS, INC. (& Empire Soils)			

VISITORS

TIME	REPRESENTING	REPRESENTING	REMARKS
see separate	sign in sheet		

EQUIPMENT AT THE SITE

Mack truck & 9 ton lowboy
Chevy van
Ford van Dodge PU
Cat 215 Ford TLB

CONSTRUCTION ACTIVITIES - Arrive on site 7:00 am Brief safety meeting.
7:15 am Wayne & Kevin begin construction of asbilt monitoring well per NYSEG & DEC specs.
7:15 backfilling up to the monitor well site continues.
8:00 Clean Harbors arrive to pump out coal tar drums.
8:30 am Ron? from Birkett Mills stops by with complaint of damage to lawn and driveway east of worksite. Investigation by Dave Darling NYSEG & Russ Frericns SLC conclude that the Clean Harbors rolloff truck is responsible for the lawn and driveway damage. SLC sends backhoe to smooth out ruts as a temporary solution. 1 hr
Work continues on finishing up inside sump. Outside sump is pumped out of free standing water yield 7½ drums water.
11:00 am monitor well is installed. OK to finish backfill after 12:00 pm per DD NYSEG
12:30 pm to 4:30 pm - inside sump final cleaning and backfill. Secure and offsite at 4:30 pm. 4 men - 9hrs

DISTRIBUTION
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4. CLIENT

BY [signature] TITLE Supt.

DAILY CONSTRUCTION REPORT

DATE 3/10/92

DAY S M (T) W TH F S

PROJECT Penn Yan - Tank Removal

JOB NO. 92-09

CLIENT NYSEG

CONTRACTOR SLC

PROJECT MANAGER Don Kunn

WEATHER SUN (PT CLR) (OVERCAST) RAIN SNOW

TEMP (TO 32) (32-50) (50-70) (70-85) (85 UP)

WIND STILL (MODER) HIGH REPORT NO. 12

HUMIDITY DRY (MODER) HUMID

AVERAGE FIELD FORCE

NAME OF CONTRACTOR	NON-MANUAL	MANUAL	REMARKS
SLC CONSULTANTS/CONSTRUCTORS, INC. (& Empire Soils)			

VISTORS

TIME	REPRESENTING	REPRESENTING	REMARKS
see separate sign in sheet			

EQUIPMENT AT THE SITE

Mack dump truck & 9 ton lowboy trailer
Chev Van — Cat 215 Excavator
Ford Van — Ford 555 TLB
Dodge PU

CONSTRUCTION ACTIVITIES Arrive on site 7:00 am

Work begins with cleaning and cutting up of the coal tar tank - Kevin & Wayne.
Cat 215 and Darryl work on cleaning up debris on stream bank and moving to stockpile area. per Keith Day & David Darling

10:30 am Keith Day & David Darling arrive for on site briefing. They express satisfaction in regards to the over all operation of the Penn Yan project.
NYSEG expresses concern over the stream bank & spoil piles. SLC will straw mulch stream bank and leave a well constructed orange barrier fence around the spoil pile.
Work plan for Wed & Thurs is discussed with NYSEG with demob beginning Fri am.
NYSEG will contact Clean Harbor's for rolloff for tank pieces.

Balance of day continues w/tank cleaning & cutting and site restoration.
Offsite & secured at 6:30 pm 4 men 11 hrs.

DISTRIBUTION
1. PROJ MGR.
2. FIELD OFFICE
3. FILE
4. CLIENT

BY R. Smith TITLE Supt.

DAILY CONSTRUCTION REPORT

DATE 3/11/92

DAY S M T (W) TH F S

PROJECT Penn Yan - Tank Removal

JOB NO. 92-09

CLIENT NYSEG

CONTRACTOR SLC

PROJECT MANAGER Don Kunn

WEATHER (SUN) CLEAR (OVERCAST) RAIN SNOW

TEMP. (TO 32) 32-50 50-70 (70-85) 85 UP

WIND STILL (MODER) HIGH REPORT NO. 13

HUMIDITY DRY (MODER) HUMID

AVERAGE FIELD FORCE

NAME OF CONTRACTOR	NON-MANUAL	MANUAL	REMARKS
SLC CONSULTANTS/CONSTRUCTORS, INC. (& Empire Soils)			

VISITORS

TIME	REPRESENTING	REPRESENTING	REMARKS
see separate sign in sheet			

EQUIPMENT AT THE SITE

Mack truck & 9 ton lowboy

Chevy van Ford 555 TLB

Ford van

Dodge PU

Cat215 excavator

CONSTRUCTION ACTIVITIES Arrive on site 7:00 am In severe snow storm.

Tank cutting & removal to temporary storage area continues

Final dewatering & sludge removal continues from the outside sump area.

8 drums water - 2 drums sludge.

Snow storm continues all day.

Secure & offsite 3:30 pm 8 hrs 4 men

DISTRIBUTION

1. PROJ. MGR.
2. FIELD OFFICE
3. FILE
4. CLIENT

BY [signature] TITLE [illegible]

DAILY CONSTRUCTION REPORT

DATE 3/12/92

DAY S M T W (TH) F S

PROJECT Penn Yan - Tank Removal

JOB NO. 92-09

CLIENT NYSEG

CONTRACTOR SLC

PROJECT MANAGER Don Kunn

WEATHER (SUN) CLEAR (OVERCAST) RAIN SNOW

TEMP (TO 32) 32-50 50-70 70-85 85 UP

WIND CALM (MODER) HIGH REPORT NO. 14

HUMIDITY (DRY) MODER HUMID

AVERAGE FIELD FORCE

NAME OF CONTRACTOR	NON-MANUAL	MANUAL	REMARKS
SLC CONSULTANTS/CONSTRUCTORS, INC. (& Empire Soils)			

VISITORS

TIME	REPRESENTING	REPRESENTING	REMARKS
see separate sign in sheet			

EQUIPMENT AT THE SITE

Mack truck & 9 ton low boy
Chevy van — Cat 215 Excavator
Ford Van — Ford 555 TLB
Dodge PU

CONSTRUCTION ACTIVITIES - Arrive on site 7:00 am
Floor area inside bldg. is prepared for concrete.
Decon of tools and equipment is started.
8:00 am to 11:00 am pour & finish 3 yards of concrete
11:00 am until 2:30 pm move tank to permanent storage area and secure w/poly
Move barricade fence to enclose spoil pile and one roll off.
Secure and off site at 3:30 pm

DISTRIBUTION
1. PROJ. MGR.
2. FIELD OFFICE
3. FILE
4. CLIENT

BY [signature] TITLE [illegible]

DAILY CONSTRUCTION REPORT

DATE 3/13/92

DAY S M T W TH F S

JECT Penn Yan - Tank Removal

NO. 92-09

NYSEG

ACTOR SLC

T MANAGER Don Kunn

WEATHER RAIN CLEAR OVERCAST RAIN SNOW

TEMP. 0-32 32-50 50-70 70-85 85 UP

WIND STILL MODER HIGH

HUMIDITY DRY MODER HUMID

REPORT NO. 15

AGE FIELD FORCE

NAME OF CONTRACTOR	NON-MANUAL	MANUAL	REMARKS
CONSULTANTS/CONSTRUCTORS, INC.			
(& Empire Soils)			

RS

TIME	REPRESENTING	REPRESENTING	REMARKS
See separate sign in sheet			

PMENT AT THE SITE

Mack truck & lowboy
Chevy van Ford 555 TLB
Ford Van
Dodge PU
Cat 215 Excavator

RUCTION ACTIVITIES - arrive on site 7:00 am
Begin demob operation. Loaded and offsite at 9:00 am
Arrive Lockport 12:30 pm Unload vehicles rest of day
Off at 3:30 pm 4 men 8 hrs.

TRIBUTION
1. PROJ. MGR.
2. FIELD OFFICE
3. FILE
4. CLIENT

PAGE 1 OF 1 PAGES

BY [illegible] TITLE [illegible]

SITE ATTENDANCE SHEET PAGE #1

DATE: 2/24/92 Mobilization

PROJECT: NYSEG - 92-09

NAME	ORGANIZATION	PURPOSE	IN	OUT
Russell Frechink	SLC	Surveyor	10:30 AM	3:30
Keith Dow	NYSEG	Site Engr	10:00	3:30
David Dalin	NYSEG	Site Engr	10:00	
Nick Kumpon	Beak Consultants (NYSEG)	Envir. Technician	10:00	
Richard Brown	SLC	Proj Manager	10:00	2:00 PM
Wayne Kess	SLC	Technician	10:30	3:30
Kevin Stoothoff	SLC	Technician	10:30	3:30
Dana Jones	SLC	Technician	10:30	3:30
Hank Bailey	SLC	Laborer	10:30	3:30
B Marchinowski	SLC	Laborer	10:30	3:30

SITE ATTENDANCE SHEET PAGE 1 of 2

DATE: 2/25/97

PROJECT: NYSEG 92-07

NAME	ORGANIZATION	PURPOSE	IN	OUT
Tim Fredricks	SLC	Supvr.	6:30 AM	4:30
W. Less	SLC	Technician	6:30	4:30
Kevin Stoltzfoster	SLC	Tech	6:30 AM	4:30
Dan Tatum	SLC	Oper	6:30 AM	4:30
Jarad Arnold	SLC	Laborer	7:00 AM	4:30
B. Marchionda	SLC	Laborer	7:00 AM	4:30
David Fiala	NYSEG	Site Env.	8:15 AM	3:00 PM
M. Le Attwood	Empire Soil C	Air Monitoring	9:00 AM	3:00 PM
Wm Fahey	PYMUB	Water & Sewer Dept	2:00 PM	2:15
Sheila Sauder	NYSEG	watch	2:00	2:15

SITE ATTENDANCE SHEET PAGE # 3

DATE: 2/26/92

PROJECT: NYSEG PENN 4HN

NAME	ORGANIZATION	PURPOSE	IN	OUT
[illegible]	SLC	[illegible]	4:50	6:30
W. LESS	SLC	TECH	7.00	6'30
KEVIN STOCKBOWER	SLC	TECH	7.00 AM	6'30
P. [illegible]	SLC	SUPVR	7:00 AM	6:30
B. Marchionda	SLC	Laborer	7:00AM	6.00PM
HAROLD BAILEY JR	SLC	LABORER	7:00 AM	1:00 PM
KEITH DAY	NYSEG	ENVIR	8:00 AM	3:30
Rick Kumpon	Beak Consultants, NYSEG	Environmental Tech	9:20 AM	11 AM
Bob Long	NYSDEC	INSP	10:30 AM	12:30 PM

SITE ATTENDANCE SHEET PAGE # 1

DATE: 2/27/92

PROJECT: NYSEG 92-09

NAME	ORGANIZATION	PURPOSE	IN	OUT
[illegible]	SLC	OBS-	6:51	5:30 PM
Maine Less	SLC	TECH	6:52	5:30
Kevin Stockbridge	SLC	TECH	6:55	5:30
R. Smith	SLC	SUPVR	6:55	5:30
K. Dal	NYSEG	ENGR	8:00	5:30
Mike Atwood	Empire Soil	Air Monitoring	7:30	5:30
Rick Kumpon	Beak Consultants (NYSEG)	Envir. Tech.	9:30	3:30

JOB ATTENDANCE SHEET PAGE 2

DATE: 2/28/92

PROJECT: NYSEG TRAINING 92-C9

NAME	ORGANIZATION	PURPOSE	IN	OUT
[illegible]	SLC	TECH	6:55	5:00
[illegible]	SLC	TECH.	6:55	5:00
[illegible]	SLC	[illegible]	6:55	5:00
[illegible]	SLC	Surv'r	6:55	5:00
KEITH DAY	NYSEG	ENGR	7:45	3 30
[illegible]	Empire	AIC Monitoring	7:45	4 30
[illegible]	SLC	SLC	9:50	3 30
[illegible]	NYSEG	Obs.	1:05	2:15
Tom O'Meara	NYSEG	OBS.	1:05	2:15
Bob Long	NYSEG	Insp.	1:30	2 30

JOB ATTENDANCE SHEET PAGE # 1

DATE: 5-7-92 Mon

PROJECT: NYSEG Fenner
92-09

NAME	ORGANIZATION	PURPOSE	IN	OUT
B. Fernandez	SLC	Support	6:45	5:00 pm
S. Johnson	SLC	Oper	6:45 am	5:00 pm
L. Stoltzberger	SLC	Tech	6:30 am	5:00 Pm
W. Lees	SLC	Tech	6:15 am	5:00 Pm
K. Day	NYSEG	NYSEG	8:00 Am	1:30 pm
M. Atwood	Empire Soil	Air Monitoring	7:30	3:30. Pm
David Dunlop	NYSEG	Eng. Off.	9:45	3:30 pm
Don ABRAMS	Empire Soil	"	12:35	2:00 pm
Brian Mann	"	"	12:35	2:00 Pm

SIGN ATTENDANCE SHEET PAGE #

DATE: 3-3-92

PROJECT: NYSEG - Penn Yan
92-09

NAME	ORGANIZATION	PURPOSE	IN	OUT
D. [illegible]	SLC	OP..	6:47	5 30
K. STOCKBERGER	SLC	TECH	6:50	5 30
W. LESS	SLC	TECH	6:50	5 30
R. FERRICH	SLC	SUPVR	6:50	5 ~
M. Atwood	Empire	Air Monitor	7:30	9 ~
David F Dunn	NYSEG	Env	8:00	4 ~
[illegible]	NYSEG	Obs	3:00 1:20	3:35 2:00
Scott Fati	NYSDEC	obs.	2:20	2:35

JOB ATTENDANCE SHEET PAGE #

DATE: 3-4-92

PROJECT: 92-09

NAME	ORGANIZATION	PURPOSE	IN	OUT
D. Dalton	SLC	Oper.	6:53	6:30
K Stockbridger	SLC	TECH	6:53	6:30
W. Less	SLC	TECH	6:53	6:30
R. Ferraris	SLC	Supv	6:53	6:30
David F Durkin	NYSEG	Env S	5:00	6:00
Kick Kumpon	Beak (NYSEG)	Envir. Tech	9:30	2.00
Mike Atwell	Empire	Air Monitor	7:20	4:30

SOIL ATTENDANCE SHEET PAGE #

DATE: 3-5-92

PROJECT: 92-09

NAME	ORGANIZATION	PURPOSE	IN	OUT
K. STICKBURGER	SLC	TECH	6:55	7:00
D. Lund	SLC	CDer	6:57	7:00
Wayne Legg	SLC	Tech	6:58	7:00
R. Travers	SLC	SUPER.	6:53	7:00
Seth Foti	NYSDEC	Observ.	7:15 AM	3:50 PM
Donald Daley	NYSES	ENS	7:30	
Mike Atwell	Empire	Air Monitor	7:30	
Mary Hebden	NYSEG	Obs	7:20	9:45
Sheila Snyder	NYSEG	work	7:20	9:45
Sheila Snyder	NYSEG	work	10:45	435
Mary Hebden	NYSEG	obs	10:45	1:20
D Kunz	ELC	VISIT	10 15	3 30
Mary Hebden	NYSEG	obs	2:20	4:35

JOB ATTENDANCE SHEET PAGE 1

DATE: 3-6-92

PROJECT: NYSEG
PENN YAN.
92-09

NAME	ORGANIZATION	PURPOSE	IN	OUT
D. [illegible]	SLC	OPER	6:53	7:00
K. [illegible]	SLC	TECH	6:55	7:00
LAURE LESS	SLC	TECH	6:55	7:00
[illegible]	SLC	Supvr	6:50	3:00
T. Dubin	NYSES	EWE	7:30	5:30
M. Atkinson	Empire	A/C	7:30	4:00
Chris Keeler	NYSEG	"	1:40	4:40
M Button	NYDEC	INSPECTION	1:51	2:45
J Cole	"	"	1:51	2:45
W. Burrow	" Student	"	1:51	2:45
[illegible]	NYSEG	"	4:00	4:15

SIGN IN ATTENDANCE SHEET PAGE #

DATE: 3-9-92

PROJECT: NYSEG
9209

NAME	ORGANIZATION	PURPOSE	IN	OUT
D. Dr[illegible]	SLC	Corr	6:47	5:30
R [illegible]	SLC	Swan	6:45	5:30
M. Howard	Empire	Air Mon. Eq.	7:30	3:30
Kevin ~~Sweeney~~	SLC	TECH	7:00	5:30
Wayne ~~Lent~~	SLC	TECH	7:00	5:30
David FDinky	NYSEG	Env	8:00	3:30

JOB ATTENDANCE SHEET PAGE 1

DATE: 3/10/92

PROJECT: NYSEG
92-09

NAME	ORGANIZATION	PURPOSE	IN	OUT
~~Kurt Stahlman~~	SLC	TECH	6:55	6:30
D. Johnson	SLC	CO-OP	6:55	6:30
Dave Lesc	SLC	TECH	6:55	6:30
Ross Fences	SLC	SUPER	6:55	1:30
M. R. Aud	Empire	Empire	7:30	4:30
K. Day	NYSEG	ENG	10:15 AM	11:30
D Darling	NYSEG	ENG	10:15 AM	11:30 AM

SSL ATTENDANCE SHEET PAGE #

DATE: 3/11/92

PROJECT: NYSEG
92-09

NAME	ORGANIZATION	PURPOSE	IN	OUT
K Trivedi	SLC	SUPVR	6:45	3:30
M Jolin	"	OPR	6:55	3:30
K Stockpatch	"	TECH	6:55	3:30
L LESS	↓	TECH	6:55	3:30

JOB ATTENDANCE SHEET PAGE 2

DATE: 3/12/92

PROJECT: NYSEG 92-9
PENNYAN

NAME	ORGANIZATION	PURPOSE	IN	OUT
[illegible]	SLC	OPER	7:00	3:30
P. FIZENENS	SLC	SURVR	7	3:30
K. STOCKERBERGER	SLC	TECH	7	3:30
W. LESS	SLC	TECH	7	3:30
Rick Kumpon	Beak (NYSEG)	Envir. Tech	10	2:15
DAVID ACTEM	SLC	PICK UP EQUIP.	10	12:00
Dan KLEIN	SLC	VISIT	10:45	3 30
Sean Cole	CHT	Sampl	3.30	4:45

JOB ATTENDANCE SHEET PAGE #

DATE: 3/13/92

PROJECT: NYSEG PENNGYN 92-09

DE-MOB.

NAME	ORGANIZATION	PURPOSE	IN	OUT
R. Fiertens	SLC	Supervisor	7 AM	9 AM
W. Less	SLC	Tech	7 AM	9 AM
D. Johnson	SLC	Op'n	7 AM	9 AM
K. Stoelzberger	SLC	Tech	7 AM	9 AM

Huntingdon
Consulting Engineers & Environmental Scientists

Empire Soils Investigations, Inc., Division
S-5167 South Park Avenue
Box 0913
Hamburg, New York 14075
(716)649-8110
Fax (716)649-8051

June 4, 1992

RECEIVED
JUN 09 1992
SLC

SLC Consultants/Constructors, Inc.
6362 Robinson Road
Lockport, New York 14094

Attention: Mr. Donald Kuhn

Reference: Air Monitoring
During Tank Removal
Penn Yan, New York

Gentlemen:

This letter is in response to Empire Soils Investigations, Inc. (ESI) recent discussions concerning air monitoring procedures completed during excavation and removal of an underground storage tank located at a former New York State Electric and Gas (NYSEG) facility in Penn Yan, New York. It should be noted that based on observations during the tank removal the contains of the tank appeared to be coal tar type sludge.

ESI was contracted by SLC Consultants/Constructors, Inc. (SLC) to complete an air quality monitoring program during the excavation and removal of the underground storage tank. It is understood that the purpose of this air monitoring program was to: (1) protect workers removing the contaminated soil around the tank, removing the sludge material in the tank and removing the tank; and (2) protect workers and/or businesses downwind of the excavation.

Air monitoring was done by collecting air samples with low volume air pumps connected to the appropriate sample collection tubes and filters set up at four (4) air monitoring stations, selected by SLC & NYSEG. Air quality was also monitored using an Organic Vapor Analyzer (OVA) with an Photoionization Detector (PID) as backup. It should be noted that the most critical set of air quality measurements were those taken with the OVA/PID in the immediate work area and breathing zones of the workers. The results of these organic vapor measurements are given by a direct/instantaneous readout. The purpose of this instantaneous readout was to immediately evaluate the health and safety conditions in order to adjust construction procedures to minimize exposure to the workers and surrounding businesses.

The air monitoring using sample collection tubes was completed in accordance with NIOSH Test Methods 5515 & 1501 for polynuclear Aromatic Hydrocarbons and Hydrocarbons/ Aromatics, respectively. According to the NIOSH methods for the Hydrocarbons/Aromatics (benzene, toluene, ethyl benzene and xylene (BTEX)) the maximum volume of air permitted through each tube is approximately 30 liters (l) with a flow rate of about 0.20 l/min. which gives a useful life of about 2.5 hours for each tube. Therefore, ESI turned the pumps on and off depending on site construction activities. The pumps were in operation during critical times of the tank removal (i.e. when the contractor was excavating, moving soil, removing the tank, etc.). It should be noted that at all times the air monitoring with the sample tubes was complemented with OVA/PID measurements that were taken in the immediate work areas and breathing zones of the workers. Generally, air quality monitoring readings taken with the OVA/PID during the tank removal did not exceed the site background levels of about 0.2-0.5 part per million (ppm). However, on occasion OVA/PID measurements in the tank excavation and/or immediately adjacent to the excavation sludge pile and/or contaminated soil pile showed that low levels of organic vapors were generally less than 3 to 5 ppm above background.

It is ESI's opinion that this project was successfully completed as proposed with health and safety concerns addressed in a timely and cost effective manner as the project progressed. If you should have further questions please do not hesitate to call.

Respectfully Submitted,
EMPIRE SOILS INVESTIGATIONS, INC.

Donald B. Abrams
Senior Environmental Geologist

Dr. Mohamed M. Yasin, P.E.
Senior Environmental Engineer

cab

EMPIRE
SOILS INVESTIGATIONS INC. 140 TELEGRAPH RD. • P.O. BOX 297 • MIDDLEPORT, NY 14105 • 716/735-3502 FAX 716/735-9027

AIR MONITORING AND ANALYTICAL TESTING UNDERGROUND TANK REMOVAL PENN YAN, NEW YORK

Prepared For:

SLC Consultants/Constructors, Inc.
6362 Robinson Road
Lockport, New York 14094

Attention: Mr. Ronald Zauner

Prepared By:

Empire Soils Investigations, Inc.
S-5167 South Park Avenue
Hamburg, New York 14075

BTA-92-045
March, 1992

EMPIRE
SOILS INVESTIGATIONS INC. 140 TELEGRAPH RD. • P.O. BOX 297 • MIDDLEPORT, NY 14105 • 716/735-3502 FAX 716/735-9027

March 31, 1992

SLC Consultants/Constructors, Inc.
6362 Robinson Road
Lockport, New York 14094

Attention: Mr. Ronald Zauner

Reference: Air Monitoring and Analytical Testing
Underground Tank Removal
Penn Yan, New York

Gentlemen:

This letter report is a brief summary of air quality monitoring and analytical testing results completed during the removal of an underground coal tar storage tank at a former New York State Electric & Gas (NYSEG) Facility in Penn Yan, New York.

Empire Soils Investigations, Inc. (ESI) collected air samples at four (4) air monitoring stations near the tank excavation. It should be noted that the air monitoring stations were located after discussions with Russell Frericks, representing SLC Consultants/Constructors, Inc. (SLC) and David Darling representing NYSEG. Refer to Drawing No. 1 presented in Attachment A for the location of the four (4) air sample monitoring stations.

At each air sample monitoring station two (2) low volume air pumps were set up with the appropriate sample collection tubes and filters. The sample tube/filters were mounted at each station on a tripod about four (4) feet above ground surface. A sample tube for Poly Nuclear Aromatic Hydrocarbons (PAH) and another sample tube for Benzene, Toluene, Ethyl benzene and Xylene (BTEX) were attached to the appropriate low volume air pump. After the air samples were collected the sample tubes were packaged, preserved and transported to our laboratory (Huntingdon Analytical Services) for analysis. The Poly Nuclear Aromatic Hydrocarbons (PAH) sample collection tubes were analyzed by Test Method NIOSH 5515 and the BTEX sample collection tubes were analyzed by Test Method NIOSH 1501. Chain-of-Custody records were maintained throughout the project.

An ESI environmental engineer was on-site during the underground tank excavation and removal to monitor the air quality for volatile organic compounds with an Organic Vapor Analyzer (OVA). The OVA was calibrated daily during field activities in accordance with manufacturers requirements. Daily field reports are presented in Attachment B of this report.

It should be noted that air samples collected on February 25, 1992 and March 13, 1992 were ambient air background measurements. Air samples were taken on February 27 & 28, 1992 and March 2,3,4,5,6,9 & 10, 1992 during field excavation, tank removal and backfill activities.

Generally, the analytical testing results indicated that Benzene, Toluene, Ethyl benzene and Xylene (BTEX) were not detected in the air samples collected during field activities. However, a minor concentration of benzene (1.7 ug/tube) was detected at monitoring station No. 3 on March 5, 1992. It should be noted that air monitoring station No. 3 is the station nearest the tank excavation. It should also be noted that March 5, 1992 was the day the contractor (SLC) removed the steel underground tank and the surrounding contaminated soil from within the tank excavation (Refer to daily field reports presented in Attachment B for details).

The analytical test results for Poly Nuclear Aromatic Hydrocarbons (PAH) indicate that no PAH compounds were detected in the air samples collected from the four (4) air monitoring stations except on March 2 & 3, 1992 and March 5 & 6, 1992. On March 2 & 3, 1992, Naphthalene was detected at concentrations of 6 ug/sample and 16 ug/sample respectively at station No. 3. On March 5, 1992 Naphthalene was also detected at concentrations of 5.3 ug/sample wand 83 ug/sample at stations No. 2 and No. 3, respectively. Naphthalene was also detected at 9.2 ug/sample at station No. 3 on March 6, 1992. It should again be noted that the majority of the tank excavation, tank removal, and pit excavation/remediation activities were completed on March 2 & 3 and 5 & 6, 1992 (Refer to daily field reports for details).

On March 2, 1992, SLC collected a water sample from one sump inside the building and one sump outside the building. A sludge sample was also collected from the sump pit inside the building. Mr. Russell Frericks, representing SLC, requested that the three (3) samples be analyzed for Polychlorinated Biphenyls (PCB's). The test results indicate that only a minor concentration (0.66 ug/l) of PCB-1254 was detected in the sample of the sludge collected from the inside sump pit. Refer to the analytical test results presented in Attachment C.

We trust that this report satisfies your current requirements. Should you have any questions or comments, please do not hesitate to contact our office. We have appreciated the opportunity to work with you on this project.

Sincerely,
EMPIRE SOILS INVESTIGATIONS, INC.

Donald B. Abrams

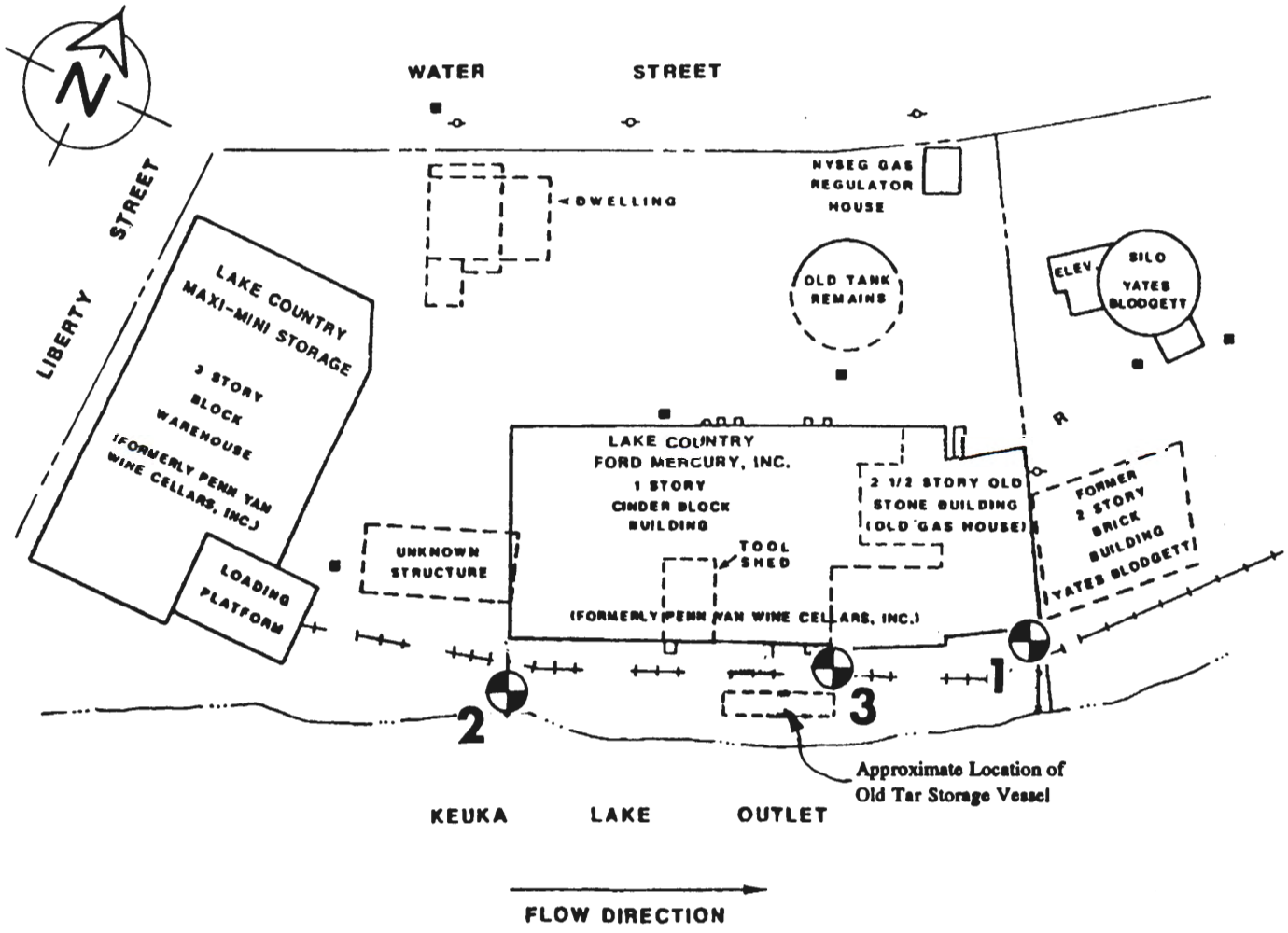
Donald B. Abrams
Senior Environmental Geologist

cab

EMPIRE
SOILS INVESTIGATIONS INC

ATTACHMENT A

R/T FORM R-1



LEGEND

- PROPERTY LINE
- SEWER MANHOLE
- CATCH BASIN
- RAILROAD
- FORMER RAILROAD
- PRESENT STRUCTURES
- APPROXIMATE BOUNDAR OF HISTORICAL STRUCTURES
- FENCE

1 Air Monitoring Point Designation and Location.

NOTES:

- This plan was adapted from a plan prepared by TRC Environmental Consultants, Inc. and provided by SLC Consultants/Constructors, Inc.
- This plan is for illustrative purposes only.

EMPIRE SOILS INVESTIGATIONS INC.

AIR MONITORING POINT LOCATION PLAN

NYSEG FACILITY
150 WATER STREET
PENN YAN, NEW YORK

DRAWN BY: DAW	SCALE: N.T.S.	PROJECT: BTA-92-045
CHECKED BY: DBA	DATE: MARCH 1992	DRAWING NO: 1

EMPIRE
SOILS INVESTIGATIONS INC

ATTACHMENT B

EMPIRE SOILS INVESTIGATIONS, INC.
DAILY SITE REPORT

PROJECT:	**NYSEG Tank Removal**
LOCATION:	**Water Street, Penn Yan, New York**
CLIENT:	**SLC Consultants/Constructors, Inc.**
PROJECT NO:	**BTA-92-045**
DATE:	**February 25, 1992**
WEATHER:	**Cloudy, 40°F**
WIND:	Windy NE 10-20 MPH
INSPECTOR:	**Michael Atwood**

ESI arrived on-site at 7:30 AM. Met SLC on-site representative Russell Frerichs and Keith Day of New York State Electric and Gas (Field Engineer). This was the initial site visit to the subject site. After a brief site meeting and tour of the subject site with the SLC and NYSEG representatives, four locations for air monitoring was determined (see Site Plan for locations). ESI calibrated the air monitoring pumps, and set them up for collection of background air samples taken throughout the day at the four previously determined air monitoring stations.

Contractor's activities included constructing a sand bag cofferdam wall along the Keuka Lake Outfall which is located directly south of the subject site. Several air quality measurements were taken with an organic vapor analyzer (OVA) within the work area. OVA measurements did not indicate organic vapors above site background levels. Air monitoring samples collected from the four monitoring stations were packaged and shipped to our laboratory (Huntingdon Analytical Services) for testing. ESI off-site at 3:15 PM. It should be noted that ESI was instructed by SLC site representatives to return on February 27, 1992.

ENVIRONMENTAL ANALYTICAL REPORT

REPORT NUMBER 92-324

PREPARED FOR:

EMPIRE SOILS INVESTIGATIONS, INC.
S-5167 SOUTH PARK AVENUE
HAMBURG, NEW YORK 14075

RE: PENN YAN, NY (BTA-92-045)

PREPARED BY:

HUNTINGDON ANALYTICAL SERVICES
DIVISION OF EMPIRE SOILS INVESTIGATIONS, INC.
P.O. BOX 250
MIDDLEPORT, NEW YORK 14105

MARCH 3, 1992

HAS

HUNTINGDON ANALYTICAL SERVICES
ELAP #10833
ENVIRONMENTAL REPORT

REPORT NUMBER 92-324

STATEMENT OF WORK PERFORMED

I HEREBY DECLARE THAT THE WORK WAS PERFORMED UNDER MY SUPERVISION ACCORDING TO THE PROCEDURES OUTLINED BY THE FOLLOWING REFERENCES AND THAT THIS REPORT PROVIDES A CORRECT AND FAITHFUL RECORD OF THE RESULTS OBTAINED.

- 40 CFR PART 136, "GUIDELINES ESTABLISHING TEST PROCEDURES FOR THE ANALYSIS OF POLLUTANTS UNDER THE CLEAN WATER ACT", OCTOBER 26, 1984 (FEDERAL REGISTER) U. S. ENVIRONMENTAL PROTECTION AGENCY.

- U.S. ENVIRONMENTAL PROTECTION AGENCY, "TEST METHODS OF EVALUATING SOLID WASTE - PHYSICAL/CHEMICAL METHODS, " OFFICE OF SOLID WASTE AND EMERGENCY RESPONSE, SW-846, 2ND EDITION AND 3RD EDITION.

- NEW YORK STATE DEPARTMENT OF HEALTH, ANALYTICAL TOXICOLOGY LABORATORY HANDBOOK, AUGUST 1982.

Richard J. Ronan

RICHARD J. RONAN, PH.D.
LABORATORY DIRECTOR, ENVIRONMENTAL

REPORT CODE LEGEND:

<DL	= LESS THAN DETECTION LIMIT
ND	= NOT DETECTED
NA	= NOT APPLICABLE
INP	= INFORMATION NOT PROVIDED
MB	= METHOD BLANK

HAS

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

NIOSH METHOD 1501
AROMATIC HYDROCARBONS
BTEX ONLY

SAMPLE IDENTIFICATION :	METHOD BLANK	STA. 1	STA. 2	STA. 3	STA. 4
HAS SAMPLE #92-324	---	001	002	003	004
DATE ANALYZED:	2-27-92	2-27-92	2-27-92	2-27-92	2-27-92
DATE SAMPLED:	NA	2-25-92	2-25-92	2-25-92	2-25-92
COMPOUND	RESULT ug/tube	RESULT ug/tube	RESULT ug/tube	RESULT ug/tube	RESULT ug/tube
BENZENE ----------	<1.0	<1.0	<1.0	<1.0	<1.0
TOLUENE ----------	<1.0	<1.0	<1.0	<1.0	<1.0
ETHYL BENZENE ----------	<1.0	<1.0	<1.0	<1.0	<1.0
TOTAL XYLENES ----------	<2.0	<2.0	<2.0	<2.0	<2.0

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

METHOD: NIOSH 5515
SEMI-VOLATILE ORGANICS
POLYNUCLEAR AROMATIC HYDROCARBONS

SAMPLE IDENTIFICATION :	STA. 1	STA. 2	STA. 3	STA. 4	METHOD BLANK	
HAS SAMPLE #92-324	001	002	003	004	----	
COMPOUNDS	RESULT ug/SAMPLE	RESULT ug/SAMPLE	RESULT ug/SAMPLE	RESULT ug/SAMPLE	RESULT ug/SAMPLE	MDL ug/SAMPLE
ACENAPHTHENE ----------	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
ACENAPHTHYLENE ----------	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
ANTHRACENE ----------	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(a)ANTHRACENE ----------	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(b)FLUORANTHENE ----------	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(k)FLUORANTHENE ----------	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(a)PYRENE ----------	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(g,h,i)PERYLENE ----------	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
CHRYSENE ----------	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
DIBENZ(a,h)ANTHRACENE ----------	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
FLUORANTHENE ----------	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
FLUORENE ----------	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
INDENO(1,2,3-cd)PYRENE ----------	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
NAPHTHALENE ----------	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
PHENANTHRENE ----------	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
PYRENE ----------	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
DATE SAMPLED:	2-25-92	2-25-92	2-25-92	2-25-92	----	
DATE RECEIVED:	2-26-92	2-26-92	2-26-92	2-26-92	----	
DATE EXTRACTED:	2-28-92	2-28-92	2-28-92	2-28-92	2-28-92	
DATE ANALYZED:	2-28-92	2-28-92	2-28-92	2-28-92	2-28-92	

EMPIRE
SOILS INVESTIGATIONS INC.

324

CHAIN OF CUSTODY RECORD

PROJECT NO: BTA-92-045
SITE NAME: Penn Yan, NY
SAMPLERS (SIGNATURE): Michael Atwood

STATION NO	DATE	TIME	COMP	GRAB	STATION LOCATION	NO OF CONTAINERS	REMARKS
Sta. 1	2-25	2:05 pm			001	4 Samples, 2 Filters, 2 Tubes	BTEX GC, PAH GC/MS
Sta. 2	2-25	2:20 pm			002	4 Samples, 2 Filters, 2 Tubes	"
Sta. 3	2-25	2:35			003	4 Samples, 2 Filters, 2 Tubes	"
Sta. 4	2-25	2:55			004	4 Samples, 2 Filters, 2 Tubes	"
							All samples run for 4 hrs, (Background readings)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)
Michael Atwood	2-26	8:20					
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE	TIME	REMARKS	
				2/26/93	9:45		

EMPIRE SOILS INVESTIGATIONS, INC.
DAILY SITE REPORT

PROJECT:	**NYSEG Tank Removal**
LOCATION:	**Water Street, Penn Yan, New York**
CLIENT:	**SLC Consultants/Constructors, Inc.**
PROJECT NO:	**BTA-92-045**
DATE:	**February 27, 1992**
WEATHER:	**Cloudy, 35°F**
WIND:	**Windy NE 15-25 MPH**
INSPECTOR:	**Michael Atwood**

ESI arrived on-site at 7:30 AM. Met SLC on-site representative Russell Frerichs and Keith Day of New York State Electric and Gas (Field Engineer). ESI calibrated air monitoring pumps and set them for air sample collection throughout the day from four previously determined air monitoring stations.

Contractor's activities included excavating around the underground storage tank (UST) located south of the existing cinder block building. The on-site UST appeared to be a tank from an old railroad car. The contractor cut open the top of the tank with a "saw all". The tank contained a water and sludge mixture and was approximately 90% full. A vac truck was used to pump the mixture from the tank (Clean Harbors, Inc.). Approximately 500 to 800 gallons of the water and sludge mixture was removed.

Several OVA measurements were taken within the tank excavation and surrounding work area. The OVA measurements indicated no organic vapors above background levels. All personal working within and/or entering the tank excavation and surrounding area were protected with Level "C" personal protection equipment. All air monitoring samples collected were packaged and shipped to the analytical laboratory for analysis. ESI off-site at 3:45 PM.

HAS

ENVIRONMENTAL ANALYTICAL REPORT

REPORT NUMBER 92-335

PREPARED FOR:

EMPIRE SOILS INVESTIGATIONS, INC.
S-5167 SOUTH PARK AVENUE
HAMBURG, NEW YORK 14075

RE: PEN YAN, NEW YORK (BTA-92-045)

PREPARED BY:

HUNTINGDON ANALYTICAL SERVICES
DIVISION OF EMPIRE SOILS INVESTIGATIONS, INC.
P.O. BOX 250
MIDDLEPORT, NEW YORK 14105

MARCH 5, 1992

HAS

HUNTINGDON ANALYTICAL SERVICES
ELAP #10833
ENVIRONMENTAL REPORT

REPORT NUMBER 92-335

STATEMENT OF WORK PERFORMED

I HEREBY DECLARE THAT THE WORK WAS PERFORMED UNDER MY SUPERVISION ACCORDING TO THE PROCEDURES OUTLINED BY THE FOLLOWING REFERENCES AND THAT THIS REPORT PROVIDES A CORRECT AND FAITHFUL RECORD OF THE RESULTS OBTAINED.

- 40 CFR PART 136, "GUIDELINES ESTABLISHING TEST PROCEDURES FOR THE ANALYSIS OF POLLUTANTS UNDER THE CLEAN WATER ACT", OCTOBER 26, 1984 (FEDERAL REGISTER) U. S. ENVIRONMENTAL PROTECTION AGENCY.

- U.S. ENVIRONMENTAL PROTECTION AGENCY, "TEST METHODS OF EVALUATING SOLID WASTE - PHYSICAL/CHEMICAL METHODS, " OFFICE OF SOLID WASTE AND EMERGENCY RESPONSE, SW-846, 2ND EDITION AND 3RD EDITION.

- NEW YORK STATE DEPARTMENT OF HEALTH, ANALYTICAL TOXICOLOGY LABORATORY HANDBOOK, AUGUST 1982.

Richard J. Ronan

RICHARD J. RONAN, PH.D.
LABORATORY DIRECTOR, ENVIRONMENTAL

REPORT CODE LEGEND:

<DL	= LESS THAN DETECTION LIMIT
ND	= NOT DETECTED
NA	= NOT APPLICABLE
INP	= INFORMATION NOT PROVIDED
MB	= METHOD BLANK

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

NIOSH METHOD 1501
AROMATIC HYDROCARBONS
BTEX ONLY

SAMPLE IDENTIFICATION :	METHOD BLANK	STA. 1	STA. 2	STA. 3	STA. 4
HAS SAMPLE #92-335-	---	001	002	003	004
DATE ANALYZED:	3-3-92	3-3-92	3-3-92	3-3-92	3-3-92
DATE SAMPLED:	NA	2-27-92	2-27-92	2-27-92	2-27-92
COMPOUND	RESULT ug/tube	RESULT ug/tube	RESULT ug/tube	RESULT ug/tube	RESULT ug/tube
BENZENE ----------	<1.0	<1.0	<1.0	<1.0	<1.0
TOLUENE ----------	<1.0	<1.0	<1.0	<1.0	<1.0
ETHYL BENZENE ----------	<1.0	<1.0	<1.0	<1.0	<1.0
TOTAL XYLENES ----------	<2.0	<2.0	<2.0	<2.0	<2.0

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

METHOD: NIOSH 5515
SEMI-VOLATILE ORGANICS
POLYNUCLEAR AROMATIC HYDROCARBONS

SAMPLE IDENTIFICATION :	STA.1 2-27	STA.2 2-27	STA.3 2-27	STA.4 2-27	METHOD BLANK	
HAS SAMPLE #92-335	001	002	003	004	----	
COMPOUNDS	RESULT ug/SAMPLE	RESULT ug/SAMPLE	RESULT ug/SAMPLE	RESULT ug/SAMPLE	RESULT ug/SAMPLE	MDL ug/SAMPLE
ACENAPHTHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
ACENAPHTHYLENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
ANTHRACENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(a)ANTHRACENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(b)FLUORANTHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(k)FLUORANTHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(a)PYRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(g,h,i)PERYLENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
CHRYSENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
DIBENZ(a,h)ANTHRACENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
FLUORANTHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
FLUORENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
INDENO(1,2,3-cd)PYRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
NAPHTHALENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
PHENANTHRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
PYRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
DATE SAMPLED:	2-27-92	2-27-92	2-27-92	2-27-92	----	
DATE RECEIVED:	2-28-92	2-28-92	2-28-92	2-28-92	----	
DATE EXTRACTED:	3-3-92	3-3-92	3-3-92	3-3-92	3-3-92	
DATE ANALYZED:	3-4-92	3-4-92	3-4-92	3-4-92	3-3-92	

EMPIRE SOILS INVESTIGATIONS INC.

92-335

CHAIN OF CUSTODY RECORD

PROJECT NO	SITE NAME
BTA-92-045	Penn Yan, NY

SAMPLERS (SIGNATURE) Michael Atwood — Air Monitoring

STATION NO	DATE	TIME	COMP	GRAB	STATION LOCATION	NO OF CONTAINERS	REMARKS
Sta. 1	2-27	1:52 Pm		001	2 Tubes, 1 Filter	3	BTEX GC, PAH GC/MS
Sta. 2	2-27	1:50		002	2 Tubes, 1 Filter	3	"
Sta. 3	2-27	1:51		003	2 Tubes, 1 Filter	3	"
Sta. 4	2-27	1:45		004	2 Tubes, 1 Filter	3	"
							All samples run for 2½ Hrs

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)
Michael Atwood	2-27-92	4:00					
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE	TIME	REMARKS	
			L. BELWARD	2-28-92	11:00		

EMPIRE SOILS INVESTIGATIONS, INC.
DAILY SITE REPORT

PROJECT:	**NYSEG Tank Removal**
LOCATION:	**Water Street, Penn Yan, New York**
CLIENT:	**SLC Consultants/Constructors, Inc.**
PROJECT NO:	**BTA-92-045**
DATE:	**February 28, 1992**
WEATHER:	**Cloudy, 35° F**
WIND:	**Windy NE 15-25 MPH**
INSPECTOR:	**Michael Atwood**

ESI arrived on-site at 7:30 AM. Met SLC on-site representative Russell Frerichs and Keith Day of New York State Electric and Gas (Field Engineer). ESI calibrated air sample monitoring pumps, for collection of air samples during the day, at the four air monitoring stations.

Contractor continued to pump the water and sludge mixture from the buried tank into a vac truck. Approximately 750 gallons of additional water and sludge mixture was removed.

Several air quality readings taken with an OVA indicated no organic vapors above background levels. In a addition, several air quality measurements were taken with a photionization detector (PID) within the tank excavation. These measurements ranged from 0.2 to 0.4 parts-per-million (ppm) (Background). All personnel working inside the tank excavation and/or entering the tank excavation were protected with Level "C" personal protection equipment. Daily air samples collected were packaged and shipped to the laboratory for analysis. ESI off-site at 3:30 PM.

HAS

ENVIRONMENTAL ANALYTICAL REPORT

REPORT NUMBER 92-347

PREPARED FOR:

EMPIRE SOILS INVESTIGATIONS, INC.
S-5167 SOUTH PARK AVENUE
HAMBURG, NEW YORK 14075

RE: PEN YAN, NEW YORK (BTA-92-045)

PREPARED BY:

HUNTINGDON ANALYTICAL SERVICES
DIVISION OF EMPIRE SOILS INVESTIGATIONS, INC.
P.O. BOX 250
MIDDLEPORT, NEW YORK 14105

MARCH 5, 1992

HUNTINGDON ANALYTICAL SERVICES
ELAP #10833
ENVIRONMENTAL REPORT

REPORT NUMBER 92-347

STATEMENT OF WORK PERFORMED

I HEREBY DECLARE THAT THE WORK WAS PERFORMED UNDER MY SUPERVISION ACCORDING TO THE PROCEDURES OUTLINED BY THE FOLLOWING REFERENCES AND THAT THIS REPORT PROVIDES A CORRECT AND FAITHFUL RECORD OF THE RESULTS OBTAINED.

- 40 CFR PART 136, "GUIDELINES ESTABLISHING TEST PROCEDURES FOR THE ANALYSIS OF POLLUTANTS UNDER THE CLEAN WATER ACT", OCTOBER 26, 1984 (FEDERAL REGISTER) U. S. ENVIRONMENTAL PROTECTION AGENCY.

- U.S. ENVIRONMENTAL PROTECTION AGENCY, "TEST METHODS OF EVALUATING SOLID WASTE - PHYSICAL/CHEMICAL METHODS, " OFFICE OF SOLID WASTE AND EMERGENCY RESPONSE, SW-846, 2ND EDITION AND 3RD EDITION.

- NEW YORK STATE DEPARTMENT OF HEALTH, ANALYTICAL TOXICOLOGY LABORATORY HANDBOOK, AUGUST 1982.

Richard J. Ronan

RICHARD J. RONAN, PH.D.
LABORATORY DIRECTOR, ENVIRONMENTAL

REPORT CODE LEGEND:

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ND	= NOT DETECTED
NA	= NOT APPLICABLE
INP	= INFORMATION NOT PROVIDED
MB	= METHOD BLANK

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

NIOSH METHOD 1501
AROMATIC HYDROCARBONS
BTEX ONLY

SAMPLE IDENTIFICATION :	METHOD BLANK	STA. 1	STA. 2	STA. 3	STA. 4
HAS SAMPLE #92-347-	---	001	002	003	004
DATE ANALYZED:	3-3-92	3-3-92	3-3-92	3-3-92	3-3-92
DATE SAMPLED:	NA	2-28-92	2-28-92	2-28-92	2-28-92
COMPOUND	RESULT ug/tube	RESULT ug/tube	RESULT ug/tube	RESULT ug/tube	RESULT ug/tube
BENZENE ----------	<1.0	<1.0	<1.0	<1.0	<1.0
TOLUENE ----------	<1.0	<1.0	<1.0	<1.0	<1.0
ETHYL BENZENE ----------	<1.0	<1.0	<1.0	<1.0	<1.0
TOTAL XYLENES ----------	<2.0	<2.0	<2.0	<2.0	<2.0

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

METHOD: NIOSH 5515
SEMI-VOLATILE ORGANICS
POLYNUCLEAR AROMATIC HYDROCARBONS

SAMPLE IDENTIFICATION :	STA.1 2-28	STA.2 2-28	STA.3 2-28	STA.4 2-28	METHOD BLANK	
HAS SAMPLE #92-347	001	002	003	004	----	
COMPOUNDS	RESULT ug/SAMPLE	RESULT ug/SAMPLE	RESULT ug/SAMPLE	RESULT ug/SAMPLE	RESULT ug/SAMPLE	MDL ug/SAMPLE
ACENAPHTHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
ACENAPHTHYLENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
ANTHRACENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(a)ANTHRACENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(b)FLUORANTHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(k)FLUORANTHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(a)PYRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(g,h,i)PERYLENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
CHRYSENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
DIBENZ(a,h)ANTHRACENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
FLUORANTHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
FLUORENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
INDENO(1,2,3-cd)PYRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
NAPHTHALENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
PHENANTHRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
PYRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
DATE SAMPLED:	2-28-92	2-28-92	2-28-92	2-28-92	----	
DATE RECEIVED:	3-2-92	3-2-92	3-2-92	3-2-92	----	
DATE EXTRACTED:	3-3-92	3-3-92	3-3-92	3-3-92	3-3-92	
DATE ANALYZED:	3-4-92	3-4-92	3-4-92	3-4-92	3-3-92	

EMPIRE SOILS INVESTIGATIONS INC.

347

CHAIN OF CUSTODY RECORD

PROJECT NO	SITE NAME
BTA-92-045	Penn Yan, NY

SAMPLERS (SIGNATURE): Michael Atwood

STATION NO	DATE	TIME	COMP	GRAB	STATION LOCATION	NO OF CONTAINERS	REMARKS
Sta. 1	2-28	1:20			2 Tubes, 1 Filter 001		BTEX GC, PAH GC/MS
Sta. 2	2-28	1:30			2 Tubes, 1 Filter 002		"
Sta. 3	2-28	1:21			2 Tubes, 1 Filter 003		"
Sta. 4	2-28	1:15			2 Tubes, 1 Filter 004		"

RELINQUISHED BY (SIGNATURE)	DATE TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE TIME	RECEIVED BY (SIGNATURE)
Michael Atwood	3-2-92 1:00	[illegible]			
RELINQUISHED BY (SIGNATURE)	DATE TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)	DATE TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE TIME	REMARKS	

EMPIRE SOILS INVESTIGATIONS, INC.
DAILY SITE REPORT

PROJECT:	**NYSEG Tank Removal**
LOCATION:	**Water Street, Penn Yan, New York**
CLIENT:	**SLC Consultants/Constructors, Inc.**
PROJECT NO:	**BTA-92-045**
DATE:	**March 2, 1992**
WEATHER:	**Cloudy, 25°F**
WIND:	**Calm**
INSPECTOR:	**Michael Atwood**

ESI arrived on-site at 7:30 AM. Met SLC on-site representative Russell Frerichs and Keith Day of New York State Electric and Gas (Field Engineer).

The contractor's daily activities included pumping coal tar sludge from the on-site buried tank into a tanker truck (Clean Harbor, Inc.). The sludge became very thick, which caused the contractor to stop pumping and begin scooping of the thick coal tar sludge into barrels. A backhoe with a barrel scoop attached was used to excavate the thick coal tar sludge from the UST tank into 55-gallon drums. The 55-gallon drums were filled, covered and temporarily stored inside the existing onsite cinder block building. A total of five 55-gallon drums were filled with coal tar sludge and stored on-site.

ESI calibrated air sampling pumps for collection of air samples at the four air monitoring stations. Several organic vapor measurments were taken with an OVA within the tank excavation area and surrounding work area. The OVA readings indicated organic vapors measurements of 2-3 parts-per million (ppm) above background levels. All personnel working inside the tank excavation and/or entering the tank excavation were protected with Level "C" personal protection equipment. Daily air samples collected were packaged and shipped to the laboratory for analyses. ESI off-site at 3:45 PM.

ENVIRONMENTAL ANALYTICAL REPORT

REPORT NUMBER 92-382, 92-383

PREPARED FOR:

EMPIRE SOILS INVESTIGATIONS, INC.
S-5167 S. PARK AVENUE
HAMBURG, NEW YORK 14075

RE: BTA-92-045, PENN YAN

PREPARED BY:

HUNTINGDON ANALYTICAL SERVICES
DIVISION OF EMPIRE SOILS INVESTIGATIONS, INC.
P.O. BOX 250
MIDDLEPORT, NEW YORK 14105

MARCH 13, 1992

HAS

HUNTINGDON ANALYTICAL SERVICES
ELAP #10833
ENVIRONMENTAL REPORT

REPORT NUMBER 92-382, 92-383

STATEMENT OF WORK PERFORMED

I HEREBY DECLARE THAT THE WORK WAS PERFORMED UNDER MY SUPERVISION ACCORDING TO THE PROCEDURES OUTLINED BY THE FOLLOWING REFERENCES AND THAT THIS REPORT PROVIDES A CORRECT AND FAITHFUL RECORD OF THE RESULTS OBTAINED.

- 40 CFR PART 136, "GUIDELINES ESTABLISHING TEST PROCEDURES FOR THE ANALYSIS OF POLLUTANTS UNDER THE CLEAN WATER ACT", OCTOBER 26, 1984 (FEDERAL REGISTER) U. S. ENVIRONMENTAL PROTECTION AGENCY.

- U.S. ENVIRONMENTAL PROTECTION AGENCY, "TEST METHODS OF EVALUATING SOLID WASTE - PHYSICAL/CHEMICAL METHODS," OFFICE OF SOLID WASTE AND EMERGENCY RESPONSE, SW-846, 2ND EDITION AND 3RD EDITION.

- NEW YORK STATE DEPARTMENT OF HEALTH, ANALYTICAL TOXICOLOGY LABORATORY HANDBOOK., AUGUST 1982.

Richard J. Ronan 3/13/92

RICHARD J. RONAN, PH.D. MARCH 13, 1992
LABORATORY DIRECTOR, ENVIRONMENTAL

REPORT CODE LEGEND:

<DL.	= LESS THAN DETECTION LIMIT
ND	= NOT DETECTED
NA	= NOT APPLICABLE
INP	= INFORMATION NOT PROVIDED
MB	= METHOD BLANK

HAS

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

NIOSH METHOD 1501
AROMATIC HYDROCARBONS

SAMPLE IDENTIFICATION :	METHOD BLANK	STA.1	STA.2	STA.3	STA.4
HAS SAMPLE #92-383	---	001	002	003	004
DATE SAMPLED:	---	3-2-92	3-2 92	3-2-92	3-2-92
COMPOUND	RESULT ug/tube	RESULT ug/tube	RESULT ug/tube	RESULT ug/tube	RESULT ug/tube
BENZENE ----------	<1.0	<1.0	<1.0	<1.0	<1.0
TOLUENE ----------	<1.0	<1.0	<1.0	<1.0	<1.0
ETHYL BENZENE ----------	<1.0	<1.0	<1.0	<1.0	<1.0
TOTAL XYLENES ----------	<2.0	<2.0	<2.0	<2.0	<2.0

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

METHOD: NIOSH 5515
SEMI-VOLATILE ORGANICS
POLYNUCLEAR AROMATIC HYDROCARBONS

SAMPLE IDENTIFICATION :	STA.1 3-2	STA.2 3-2	STA.3 3-2	STA.4 3-2	METHOD BLANK	
HAS SAMPLE #92-383	001	002	003	004	----	
COMPOUNDS	RESULT ug/SAMPLE	RESULT ug/SAMPLE	RESULT ug/SAMPLE	RESULT ug/SAMPLE	RESULT ug/SAMPLE	MDL ug/SAMPLE
ACENAPHTHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
ACENAPHTHYLENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
ANTHRACENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(a)ANTHRACENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(b)FLUORANTHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(k)FLUORANTHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(a)PYRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(g,h,i)PERYLENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
CHRYSENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
DIBENZ(a,h)ANTHRACENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
FLUORANTHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
FLUORENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
INDENO(1,2,3-cd)PYRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
NAPHTHALENE	<5.0	<5.0	6.0	<5.0	<5.0	<5.0
PHENANTHRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
PYRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
DATE SAMPLED:	3-2-92	3-2-92	3-2-92	3-2-92	----	
DATE RECEIVED:	3-5-92	3-5-92	3-5-92	3-5-92	----	
DATE EXTRACTED:	3-11-92	3-11-92	3-11-92	3-11-92	3-11-92	
DATE ANALYZED:	3-11-92	3-11-92	3-12-92	3-12-92	3-11-92	

EMPIRE
SOILS INVESTIGATIONS INC.

CHAIN OF CUSTODY RECORD

PROJECT NO: BTA-92-045
SITE NAME: Penn Yan, NY
SAMPLERS (SIGNATURE): Michael Stewart 383

STATION NO	DATE	TIME	COMP	GRAB	STATION LOCATION	NO OF CONTAINERS	REMARKS
Sta. 1	3-2	2:10 pm			2 Tubes, 1 Filter 001	3	BTEX GC; PAH GC/MS
Sta. 2	3-2	2:12 pm			2 Tubes, 1 Filter 002	3	"
Sta. 3	3-2	2:11 pm			2 Tubes, 1 Filter 003	3	"
Sta. 4	3-2	2:00 pm			2 Tubes, 1 Filter 004	3	"
							All samples ran for 24 HRS

RELINQUISHED BY (SIGNATURE)	DATE TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE TIME	RECEIVED BY (SIGNATURE)
Michael Stewart	3-4-92 10:00am				
RELINQUISHED BY (SIGNATURE)	DATE TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)	DATE TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE TIME	REMARKS	
			3/5/92 10:15		

EMPIRE SOILS INVESTIGATIONS, INC.
DAILY SITE REPORT

PROJECT:	**NYSEG Tank Removal**
LOCATION:	**Water Street, Penn Yan, New York**
CLIENT:	**SLC Consultants/Constructors, Inc.**
PROJECT NO:	**BTA-92-045**
DATE:	**March 3, 1992**
WEATHER:	**Cloudy, 35°F**
WIND:	**Calm**
INSPECTOR:	**Michael Atwood**

ESI arrived on-site at 7:30 AM. Met SLC on-site representative Russell Frerichs and David Darling of New York State Electric and Gas (Field Engineer). Contractor continued scooping thick coal tar sludge from the previously uncovered underground storage tank and placing the sludge into 55-gallon drums. A backhoe with a barrel scoop attached was used to excavate the coal tar sludge from the tank. After the 55-gallon drums were filled, they were covered and stored inside the existing onsite cinder block building.

ESI calibrated the air sampling pumps, for collection of air samples during the day from the four air monitoring stations. Several organic vapor measurements were taken with an OVA within the tank excavation area and surrounding work area. The OVA measurements taken were not above background levels. In addition, several organic vapor measurements were taken with a photionization detector (PID) within the tank excavation. These readings ranged from 0 to 5 parts-per-million (ppm). All personnel working inside the tank excavation and/or entering the tank excavation were protected by wearing Level "C" personal protection equipment. All air samples collected were packaged and shipped to the laboratory for analysis. ESI off-site at 3:45 PM.

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

NIOSH METHOD 1501
AROMATIC HYDROCARBONS

SAMPLE IDENTIFICATION :	METHOD BLANK	STA.1	STA.2	STA.3	STA.4
HAS SAMPLE #92-382	---	001	002	003	004
DATE SAMPLED:	---	3-3-92	3-3-92	3-3-92	3-3-92
COMPOUND	RESULT ug/tube	RESULT ug/tube	RESULT ug/tube	RESULT ug/tube	RESULT ug/tube
BENZENE ----------	<1.0	<1.0	<1.0	<1.0	<1.0
TOLUENE ----------	<1.0	<1.0	<1.0	<1.0	<1.0
ETHYL BENZENE ----------	<1.0	<1.0	<1.0	<1.0	<1.0
TOTAL XYLENES ----------	<2.0	<2.0	<2.0	<2.0	<2.0

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

METHOD: NIOSH 5515
SEMI-VOLATILE ORGANICS
POLYNUCLEAR AROMATIC HYDROCARBONS

SAMPLE IDENTIFICATION :	STA.1 3-3	STA.2 3-3	STA.3 3-3	STA.4 3-3	METHOD BLANK	
HAS SAMPLE #92-382	001	002	003	004	----	
COMPOUNDS	RESULT ug/SAMPLE	RESULT ug/SAMPLE	RESULT ug/SAMPLE	RESULT ug/SAMPLE	RESULT ug/SAMPLE	MDL ug/SAMPLE
ACENAPHTHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
ACENAPHTHYLENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
ANTHRACENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(a)ANTHRACENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(b)FLUORANTHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(k)FLUORANTHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(a)PYRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(g,h,i)PERYLENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
CHRYSENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
DIBENZ(a,h)ANTHRACENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
FLUORANTHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
FLUORENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
INDENO(1,2,3-cd)PYRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
NAPHTHALENE	<5.0	<5.0	16	<5.0	<5.0	<5.0
PHENANTHRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
PYRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
DATE SAMPLED:	3-3-92	3-3-92	3-3-92	3-3-92	----	
DATE RECEIVED:	3-5-92	3-5-92	3-5-92	3-5-92	----	
DATE EXTRACTED:	3-11-92	3-11-92	3-11-92	3-11-92	3-11-92	
DATE ANALYZED:	3-11-92	3-11-92	3-11-92	3-11-92	3-11-92	

EMPIRE
SOILS INVESTIGATIONS INC.

CHAIN OF CUSTODY RECORD

PROJECT NO: BTA-92-045
SITE NAME: Penn Yan, NY
SAMPLERS (SIGNATURE): Michael Atwood 382

STATION NO	DATE	TIME	COMP	GRAB	STATION LOCATION	NO OF CONTAINERS	REMARKS
Sta. 1	3-3	1:00 pm			2 Tubes, 1 Filter 001	3	BTEX GC PAH GC/MS
Sta. 2	3-3	1:05 pm			2 Tubes, 1 Filter 002	3	"
Sta. 3	3-3	1:01 pm			2 Tubes, 1 Filter 003	3	"
Sta. 4	3-3	1:10 pm			2 Tubes, 1 Filter 004	3	"
							All Samples rush for a 2½ HRS

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)
Michael Atwood	3-4-92	10 am					
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE	TIME	REMARKS	
				3/5/92	10:15		

EMPIRE SOILS INVESTIGATIONS, INC.
DAILY SITE REPORT

PROJECT:	**NYSEG Tank Removal**
LOCATION:	**Water Street, Penn Yan, New York**
CLIENT:	**SLC Consultants/Constructors, Inc.**
PROJECT NO:	**BTA-92-045**
DATE:	**March 4, 1992**
WEATHER:	**Sunny, 35°F**
WIND:	**Calm**
INSPECTOR:	**Michael Atwood**

ESI arrived on-site at 7:30 AM. Met SLC on-site representative Russell Frerichs and Keith Day of New York State Electric and Gas (Field Engineer). Contractor continued scooping the thick coal tar sludge from the previously uncovered underground tank and placing into 55-gallon drums. A backhoe with a barrel scoop attached was used to excavate the coal tar sludge from the tank. The 55-gallon drums were filled, covered and stored inside the existing on-site cinder block building. To date a total of twenty two (22) 55-gallon drums were filled with coal tar and stored on-site.

ESI calibrated air sampling pumps, for collection of air samples during the day from the four air monitoring stations. Several organic vapor measurements were taken with an OVA within the tank area and surrounding work area. The OVA measurements indicated there were no organic vapor measurements above background levels. In addition, several organic vapor measurements were taken with a photoionization detector (PID) within the tank excavation. These measurements ranged from 0 to 5 parts-per-million (ppm). All personnel working inside the tank excavation and/or entering the tank excavation were protected by wearing Level "C" personal protection equipment. All air samples collected were packaged and shipped to the laboratory for analysis. ESI off-site at 3:45 PM.

ENVIRONMENTAL ANALYTICAL REPORT

REPORT NUMBERS 92-408, 409

PREPARED FOR:

EMPIRE SOILS INVESTIGATIONS, INC.
S-5167 SOUTH PARK AVENUE
HAMBURG, NEW YORK 14075

RE: PENN YAN/BTA-92-045

PREPARED BY:

HUNTINGDON ANALYTICAL SERVICES
DIVISION OF EMPIRE SOILS INVESTIGATIONS, INC.
P.O. BOX 250
MIDDLEPORT, NEW YORK 14105

MARCH 16, 1992

HAS

HUNTINGDON ANALYTICAL SERVICES
ELAP #10833
ENVIRONMENTAL REPORT

REPORT NUMBERS 92-408, 409

STATEMENT OF WORK PERFORMED

I HEREBY DECLARE THAT THE WORK WAS PERFORMED UNDER MY SUPERVISION ACCORDING TO THE PROCEDURES OUTLINED BY THE FOLLOWING REFERENCES AND THAT THIS REPORT PROVIDES A CORRECT AND FAITHFUL RECORD OF THE RESULTS OBTAINED.

- 40 CFR PART 136, "GUIDELINES ESTABLISHING TEST PROCEDURES FOR THE ANALYSIS OF POLLUTANTS UNDER THE CLEAN WATER ACT", OCTOBER 26, 1984 (FEDERAL REGISTER) U. S. ENVIRONMENTAL PROTECTION AGENCY.

- U.S. ENVIRONMENTAL PROTECTION AGENCY, "TEST METHODS OF EVALUATING SOLID WASTE - PHYSICAL/CHEMICAL METHODS, " OFFICE OF SOLID WASTE AND EMERGENCY RESPONSE, SW-846, 2ND EDITION AND 3RD EDITION.

- NEW YORK STATE DEPARTMENT OF HEALTH, ANALYTICAL TOXICOLOGY LABORATORY HANDBOOK, AUGUST 1982.

Richard J. Roman

RICHARD J. ROMAN, PH.D. MARCH 16, 1992
LABORATORY DIRECTOR, ENVIRONMENTAL

REPORT CODE LEGEND:

<DL	= LESS THAN DETECTION LIMIT
ND	= NOT DETECTED
NA	= NOT APPLICABLE
INP	= INFORMATION NOT PROVIDED
MB	= METHOD BLANK

HAS

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

NIOSH METHOD 1501
AROMATIC HYDROCARBONS

SAMPLE IDENTIFICATION :	METHOD BLANK	STA.1	STA.2	STA.3	STA.4
HAS SAMPLE #92-408-	---	001	002	003	004
DATE SAMPLED:	---	3-4-92	3-4-92	3-4-92	3-4-92
COMPOUND	RESULT ug/tube	RESULT ug/tube	RESULT ug/tube	RESULT ug/tube	RESULT ug/tube
BENZENE ----------	<1.0	<1.0	<1.0	<1.0	<1.0
TOLUENE ----------	<1.0	<1.0	<1.0	<1.0	<1.0
ETHYL BENZENE ----------	<1.0	<1.0	<1.0	<1.0	<1.0
TOTAL XYLENES ----------	<2.0	<2.0	<2.0	<2.0	<2.0

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

METHOD: NIOSH 5515
SEMI-VOLATILE ORGANICS
POLYNUCLEAR AROMATIC HYDROCARBONS

SAMPLE IDENTIFICATION :	STA.1 3-4	STA.2 3-4	STA.3 3-4	STA.4 3-4	METHOD BLANK	
HAS SAMPLE #92-408	001	002	003	004	----	
COMPOUNDS	RESULT ug/SAMPLE	RESULT ug/SAMPLE	RESULT ug/SAMPLE	RESULT ug/SAMPLE	RESULT ug/SAMPLE	MDL ug/SAMPLE
ACENAPHTHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
ACENAPHTHYLENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
ANTHRACENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(a)ANTHRACENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(b)FLUORANTHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(k)FLUORANTHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(a)PYRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(g,h,i)PERYLENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
CHRYSENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
DIBENZ(a,h)ANTHRACENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
FLUORANTHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
FLUORENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
INDENO(1,2,3-cd)PYRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
NAPHTHALENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
PHENANTHRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
PYRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
DATE SAMPLED:	3-4-92	3-4-92	3-4-92	3-4-92	----	
DATE RECEIVED:	3-9-92	3-9-92	3-9-92	3-9-92	----	
DATE EXTRACTED:	3-11-92	3-11-92	3-11-92	3-11-92	3-11-92	
DATE ANALYZED:	3-12-92	3-12-92	3-12-92	3-12-92	3-11-92	

Rec'd 3/10/92

EMPIRE SOILS INVESTIGATIONS INC.

2/08

CHAIN OF CUSTODY RECORD

PROJECT NO: BTA-92-045

SITE NAME: Penn Yan, NY

SAMPLERS (SIGNATURE): Michael Atwood

STATION NO	DATE	TIME	COMP	GRAB	STATION LOCATION	NO OF CONTAINERS	REMARKS
Sta 1	3-4	1:30			2 Tubes 1 Filter 001	3	BTEX GC, P.A.H. GC/MS
Sta. 2	3-4	1:22			2 Tubes 1 Filter 002	3	"
Sta. 3	3-4	1:31			2 Tubes 1 Filter 003	3	"
Sta. 4	3-4	1:15			2 Tubes 1 Filter 004	3	"
							ALL samples preserved with HCl

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)
Michael Atwood	3-8-92	9:00am					
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE	TIME	REMARKS	
			Christine Mann	3/9/92	8:00		

EMPIRE SOILS INVESTIGATIONS, INC.
DAILY SITE REPORT

PROJECT:	**NYSEG Tank Removal**
LOCATION:	**Water Street, Penn Yan, New York**
CLIENT:	**SLC Consultants/Constructors, Inc.**
PROJECT NO:	**BTA-92-045**
DATE:	**March 5, 1992**
WEATHER:	**Sunny, 45°F**
WIND:	**Calm**
INSPECTOR:	**Michael Atwood**

ESI arrived on-site at 7:30 AM. Met SLC on-site representative Russell Frerichs and Keith Day of New York State Electric and Gas (Field Engineer). The contractor's activities included removing the steel underground tank and surrounding contaminated soil from within the tank excavation. Contaminated groundwater was observed within the tank excavation. A vac truck was used to remove the standing contaminated groundwater. It appeared that the underground tank had holes along the bottom and that contaminated material leaked through these holes. The extent of the contaminated area encountered within the tank excavation was beyond what was anticipated. Therefore, excavation of the contaminated material was terminated at the request of the NYSEG representative (Ms. Chris Hebdon). In addition, the NYSEG representative request that personnel from ESI take three soil samples from the bottom of the tank excavation. These samples were submitted to the NYSEG representative.

ESI calibrated air sampling pumps for collection of air samples during the day from the four air monitoring locations. Several organic vapor measurements were taken with an OVA within the tank excavation and surrounding work area. The OVA readings were about 2-3 parts-per-million above background levels. In addition, several organic vapor measurements were taken with a photoionization detector (PID) within the tank excavation. These readings ranged from 0 to 5 parts-per-million (ppm). All personnel working inside the tank excavation and/or entering the tank excavation were protected by wearing Level "C" personal protection equipment. Air samples collected during the day were packaged and shipped to the laboratory for analysis testing. ESI off-site at 4:00 PM.

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

NIOSH METHOD 1501
AROMATIC HYDROCARBONS

SAMPLE IDENTIFICATION :	METHOD BLANK	STA.1	STA.2	STA.3	STA.4
HAS SAMPLE #92-409-	---	001	002	003	004
DATE SAMPLED:	---	3-5-92	3-5-92	3-5-92	3-5-92
COMPOUND	RESULT ug/tube	RESULT ug/tube	RESULT ug/tube	RESULT ug/tube	RESULT ug/tube
BENZENE ----------	<1.0	<1.0	<1.0	1.7	<1.0
TOLUENE ----------	<1.0	<1.0	<1.0	<1.0	<1.0
ETHYL BENZENE ----------	<1.0	<1.0	<1.0	<1.0	<1.0
TOTAL XYLENES ----------	<2.0	<2.0	<2.0	<2.0	<2.0

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

METHOD: NIOSH 5515
SEMI-VOLATILE ORGANICS
POLYNUCLEAR AROMATIC HYDROCARBONS

SAMPLE IDENTIFICATION :	STA.1 3-5	STA.2 3-5	STA.3 3-5	STA.4 3-5	METHOD BLANK	
HAS SAMPLE #92-409	001	002	003	004	----	
COMPOUNDS	RESULT ug/SAMPLE	RESULT ug/SAMPLE	RESULT ug/SAMPLE	RESULT ug/SAMPLE	RESULT ug/SAMPLE	MDL ug/SAMPLE
ACENAPHTHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
ACENAPHTHYLENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
ANTHRACENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(a)ANTHRACENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(b)FLUORANTHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(k)FLUORANTHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(a)PYRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(g,h,i)PERYLENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
CHRYSENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
DIBENZ(a,h)ANTHRACENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
FLUORANTHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
FLUORENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
INDENO(1,2,3-cd)PYRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
NAPHTHALENE	<5.0	5.3	83	<5.0	<5.0	<5.0
PHENANTHRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
PYRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
DATE SAMPLED:	3-5-92	3-5-92	3-5-92	3-5-92	----	
DATE RECEIVED:	3-9-92	3-9-92	3-9-92	3-9-92	----	
DATE EXTRACTED:	3-11-92	3-11-92	3-11-92	3-11-92	3-11-92	
DATE ANALYZED:	3-12-92	3-12-92	3-12-92	3-12-92	3-11-92	

2 of 3 1.0.2

EMPIRE
SOILS INVESTIGATIONS INC.

409

CHAIN OF CUSTODY RECORD

PROJECT NO: BTA-92-045
SITE NAME: Penn Yan, NY
SAMPLERS (SIGNATURE): Michael Atwood

STATION NO	DATE	TIME	COMP	GRAB	STATION LOCATION	NO OF CONTAINERS	REMARKS
Sta. 1	3-5	1:15			2 Tubes, 1 Filter 001	3	BTEX GC, PAH GC/MS
Sta. 2	3-5	1:10			2 Tubes, 1 Filter 002	3	"
Sta. 3	3-5	1:16			2 Tubes, 1 Filter 003	3	"
Sta. 4	3-5	1:00			2 Tubes, 1 Filter 004	3	"
							All Samples Run 2½ Hrs Except Sta. 1 which was run for 2¼ Hrs

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)
Michael Atwood	3-8-92	7:00 am					
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE	TIME	REMARKS	
			Regina Moran	3/9/92	5:00 pm		

EMPIRE SOILS INVESTIGATIONS, INC.
DAILY SITE REPORT

PROJECT:	**NYSEG Tank Removal**
LOCATION:	**Water Street, Penn Yan, New York**
CLIENT:	**SLC Consultants/Constructors, Inc.**
PROJECT NO:	**BTA-92-045**
DATE:	**March 6, 1992**
WEATHER:	**Cloudy, 45°F**
WIND:	**Calm**
INSPECTOR:	**Michael Atwood**

ESI arrived on-site at 7:30 AM. Met SLC on-site representative Russell Frerichs and Keith Day of New York State Electric and Gas (Field Engineer). ESI calibrated the air sampling pumps, for collection of air samples during the day from the four air monitoring stations. Several organic vapor measurements were taken with an OVA within the tank excavation and surrounding work area. In addition, several OVA measurements were taken within the pit area located inside the on-site cinder block building. The OVA measurements indicated no organic vapors above background levels. All personnel working inside the tank excavation and/or entering the tank excavation were protected by Level "C" personal protection equipment. All personnel working within the pit area inside the building were protected with Level "D" personal protection equipment. Air samples collected during the day were packaged and shipped to the laboratory for analytical testing.

The contractor continued to remove the contaminated soil from within the tank excavation and surrounding area. Sludge type soil, wood planks, and coal tar sludge were removed from the interior pit area inside the building an placed in 55-gallon drums. It appeared that the majority of the material within the interior pit area was removed. ESI off-site at 3:15 PM.

ENVIRONMENTAL ANALYTICAL REPORT

REPORT NUMBERS 92-410, 428, 429

PREPARED FOR:

EMPIRE SOILS INVESTIGATIONS, INC.
S-5167 SOUTH PARK AVENUE
HAMBURG, NEW YORK 14075

RE: PENN YAN/BTA-92-045

PREPARED BY:

HUNTINGDON ANALYTICAL SERVICES
DIVISION OF EMPIRE SOILS INVESTIGATIONS, INC.
P.O. BOX 250
MIDDLEPORT, NEW YORK 14105

MARCH 16, 1992

HAS

HUNTINGDON ANALYTICAL SERVICES
ELAP #10833
ENVIRONMENTAL REPORT

REPORT NUMBERS 92-410, 428, 429

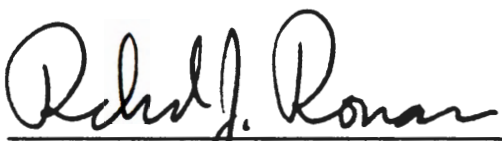
STATEMENT OF WORK PERFORMED

I HEREBY DECLARE THAT THE WORK WAS PERFORMED UNDER MY SUPERVISION ACCORDING TO THE PROCEDURES OUTLINED BY THE FOLLOWING REFERENCES AND THAT THIS REPORT PROVIDES A CORRECT AND FAITHFUL RECORD OF THE RESULTS OBTAINED.

- 40 CFR PART 136, "GUIDELINES ESTABLISHING TEST PROCEDURES FOR THE ANALYSIS OF POLLUTANTS UNDER THE CLEAN WATER ACT", OCTOBER 26, 1984 (FEDERAL REGISTER) U. S. ENVIRONMENTAL PROTECTION AGENCY.

- U.S. ENVIRONMENTAL PROTECTION AGENCY, "TEST METHODS OF EVALUATING SOLID WASTE - PHYSICAL/CHEMICAL METHODS, " OFFICE OF SOLID WASTE AND EMERGENCY RESPONSE, SW-846, 2ND EDITION AND 3RD EDITION.

- NEW YORK STATE DEPARTMENT OF HEALTH, ANALYTICAL TOXICOLOGY LABORATORY HANDBOOK, AUGUST 1982.



RICHARD J. RONAN, PH.D. MARCH 16, 1992
LABORATORY DIRECTOR, ENVIRONMENTAL

REPORT CODE LEGEND:

<DL	= LESS THAN DETECTION LIMIT
ND	= NOT DETECTED
NA	= NOT APPLICABLE
INP	= INFORMATION NOT PROVIDED
MB	= METHOD BLANK

HAS

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

NIOSH METHOD 1501
AROMATIC HYDROCARBONS

SAMPLE IDENTIFICATION :	METHOD BLANK	STA.1	STA.2	STA.3	STA.4
HAS SAMPLE #92-410-	---	001	002	003	004
DATE SAMPLED:	---	3-6-92	3-6-92	3-6-92	3-6-92
COMPOUND	RESULT ug/tube	RESULT ug/tube	RESULT ug/tube	RESULT ug/tube	RESULT ug/tube
BENZENE ----------	<1.0	<1.0	<1.0	<1.0	<1.0
TOLUENE ----------	<1.0	<1.0	<1.0	<1.0	<1.0
ETHYL BENZENE ----------	<1.0	<1.0	<1.0	<1.0	<1.0
TOTAL XYLENES ----------	<2.0	<2.0	<2.0	<2.0	<2.0

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

METHOD: NIOSH 5515
SEMI-VOLATILE ORGANICS
POLYNUCLEAR AROMATIC HYDROCARBONS

SAMPLE IDENTIFICATION :	STA.1 3-6	STA.2 3-6	STA.3 3-6	STA.4 3-6	METHOD BLANK	
HAS SAMPLE #92-410	001	002	003	004	----	
COMPOUNDS	RESULT ug/SAMPLE	RESULT ug/SAMPLE	RESULT ug/SAMPLE	RESULT ug/SAMPLE	RESULT ug/SAMPLE	MDL ug/SAMPLE
ACENAPHTHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
ACENAPHTHYLENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
ANTHRACENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(a)ANTHRACENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(b)FLUORANTHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(k)FLUORANTHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(a)PYRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(g,h,i)PERYLENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
CHRYSENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
DIBENZ(a,h)ANTHRACENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
FLUORANTHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
FLUORENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
INDENO(1,2,3-cd)PYRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
NAPHTHALENE	<5.0	<5.0	9.2	<5.0	<5.0	<5.0
PHENANTHRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
PYRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
DATE SAMPLED:	3-6-92	3-6-92	3-6-92	3-6-92	----	
DATE RECEIVED:	3-9-92	3-9-92	3-9-92	3-9-92	----	
DATE EXTRACTED:	3-11-92	3-11-92	3-11-92	3-11-92	3-11-92	
DATE ANALYZED:	3-12-92	3-12-92	3-12-92	3-12-92	3-11-92	

Rec'd 3/10/92

2410

EMPIRE
SOILS INVESTIGATIONS INC.

CHAIN OF CUSTODY RECORD

PROJECT NO: 8TA-92-045
SITE NAME: Penn Yan, NY
SAMPLERS (SIGNATURE): Michael Atwood

STATION NO	DATE	TIME	COMP	GRAB	STATION LOCATION	NO OF CONTAINERS	REMARKS
Sta. 1	3-6	12:00			2 Tubes 1 Filter 001	3	BTEX GC, P.A.H. GC/MS
Sta. 2	3-6	12:02			2 Tubes 1 Filter 002	3	"
Sta. 3	3-6	12:01			2 Tubes 1 Filter 003	3	"
Sta. 4	3-6	11:49			2 Tubes 1 Filter 004	3	"
							ACC samples ran for 2½ hrs

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)
Michael Atwood	3-8-92	7:00am					
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE	TIME	REMARKS	
			Peggy Mann	3/9/92	5:00pm		

EMPIRE SOILS INVESTIGATIONS, INC.
DAILY SITE REPORT

PROJECT:	**NYSEG Tank Removal**
LOCATION:	**Water Street, Penn Yan, New York**
CLIENT:	**SLC Consultants/Constructors, Inc.**
PROJECT NO:	**BTA-92-045**
DATE:	**March 9, 1992**
WEATHER:	**Cloudy, 45°F**
WIND:	**Calm**
INSPECTOR:	**Michael Atwood**

ESI arrived on-site at 7:30 AM. Met SLC on-site representative Russell Frerichs and Keith Day of New York State Electric and Gas (Field Engineer). ESI calibrated the air sampling pumps, for collection of air samples during the day from the four air monitoring stations.

The contractor's activities included installing a sump system within the underground tank excavation. In addition, water and sludge was removed from the outside sump pit area located south of the existing cinder block building. The water and sludge was pumped into 55-gallon drums.

Several organic vapor measurements were taken with an OVA within the underground tank sump system excavation and surrounding work area. Several OVA measurements were also taken within the outside sump pit area. The OVA measurements indicated no organic vapors background levels. All personnel working inside the tank sump system excavation were protected Level "D" personal protection equipment. All personnel working within the surrounding outside sump pit area were also protected with Level "D" personal protection equipment. Air samples collected were packaged and shipped to the laboratory for analytical testing. ESI off-site at 2:00 PM.

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

NIOSH METHOD 1501
AROMATIC HYDROCARBONS

SAMPLE IDENTIFICATION :	METHOD BLANK	STA.1	STA.2	STA.3	STA.4
HAS SAMPLE #92-428-	---	001	002	003	004
DATE SAMPLED:	---	3-9-92	3-9-92	3-9-92	3-9-92
COMPOUND	RESULT ug/tube	RESULT ug/tube	RESULT ug/tube	RESULT ug/tube	RESULT ug/tube
BENZENE ----------	<1.0	2.0 *	<1.0	<1.0	<1.0
TOLUENE ----------	<1.0	<1.0	<1.0	<1.0	<1.0
ETHYL BENZENE ----------	<1.0	<1.0	<1.0	<1.0	<1.0
TOTAL XYLENES ----------	<2.0	<2.0	<2.0	<2.0	<2.0

* PRESENT IN REAR SECTION OF TUBE ONLY. <1.0 UG IN FRONT SECTION.
SUSPECTED REVERSAL OF TUBE DURING SAMPLING.

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

METHOD: NIOSH 5515
SEMI-VOLATILE ORGANICS
POLYNUCLEAR AROMATIC HYDROCARBONS

SAMPLE IDENTIFICATION :	STA.1 3-9	STA.2 3-9	STA.3 3-9	STA.4 3-9	METHOD BLANK	
HAS SAMPLE #92-428	001	002	003	004	----	
COMPOUNDS	RESULT ug/SAMPLE	RESULT ug/SAMPLE	RESULT ug/SAMPLE	RESULT ug/SAMPLE	RESULT ug/SAMPLE	MDL ug/SAMPLE
ACENAPHTHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
ACENAPHTHYLENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
ANTHRACENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(a)ANTHRACENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(b)FLUORANTHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(k)FLUORANTHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(a)PYRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(g,h,i)PERYLENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
CHRYSENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
DIBENZ(a,h)ANTHRACENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
FLUORANTHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
FLUORENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
INDENO(1,2,3-cd)PYRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
NAPHTHALENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
PHENANTHRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
PYRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
DATE SAMPLED:	3-9-92	3-9-92	3-9-92	3-9-92	----	
DATE RECEIVED:	3-11-92	3-11-92	3-11-92	3-11-92	----	
DATE EXTRACTED:	3-11-92	3-11-92	3-11-92	3-11-92	3-11-92	
DATE ANALYZED:	3-12-92	3-12-92	3-12-92	3-12-92	3-11-92	

EMPIRE SOILS INVESTIGATIONS INC.

428

CHAIN OF CUSTODY RECORD

PROJECT NO	SITE NAME
BTA-92-045	Penn Yan, NY

SAMPLERS (SIGNATURE): Michael Alvord

STATION NO	DATE	TIME	COMP	GRAB	STATION LOCATION	NO OF CONTAINERS	REMARKS
Sta. 1	3-9	12:40			2 Tubes, 1 Filter 001	3	BTEX GC, PAH GC/MS
							"
Sta. 2	3-9	12:42			2 Tubes, 1 Filter 002	3	"
							"
Sta. 3	3-9	12:41			2 Tubes, 1 Filter 003	3	
							"
Sta. 4	3-9	12:35			2 Tubes, 1 Filter 004	3	"
							All samples ran for 2½ hrs

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)
Michael Alvord	3-11	4:00					
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE	TIME	REMARKS	
				3/11/92	7:00 am		

EMPIRE SOILS INVESTIGATIONS, INC.
DAILY SITE REPORT

PROJECT:	**NYSEG Tank Removal**
LOCATION:	**Water Street, Penn Yan, New York**
CLIENT:	**SLC Consultants/Constructors, Inc.**
PROJECT NO:	**BTA-92-045**
DATE:	**March 10, 1992**
WEATHER:	**Cloudy, 40°F**
WIND:	**NE 10-20 MPH**
INSPECTOR:	**Michael Atwood**

ESI arrived on-site at 7:30 AM. Met SLC on-site representative Russell Frerichs and Keith Day of New York State Electric and Gas (Field Engineer). ESI calibrated the air sampling pumps, for collection of air samples during the day from the four air monitoring stations.

The contractor's activities included cutting the previously removed underground tank into smaller sections for removal and disposal off-site.

Several organic vapor measurements were taken with an OVA within the tank and surrounding work area. In addition, several OVA measurements taken within the pit area located inside the cinder block building. The OVA measurements indicated no organic vapors were detected above background levels. All personnel working inside the tank were protected Level "C" personal protection equipment. All personnel working within the interior pit area and surrounding outside tank area were protected with a Level "D" personal protection equipment. Air samples collected were packaged and shipped to the laboratory for analysis. ESI off-site at 1:45 PM.

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

NIOSH METHOD 1501
AROMATIC HYDROCARBONS

SAMPLE IDENTIFICATION :	METHOD BLANK	STA.1	STA.2	STA.3	STA.4
HAS SAMPLE #92-429-	---	001	002	003	004
DATE SAMPLED:	---	3-10-92	3-10-92	3-10-92	3-10-92
COMPOUND	RESULT ug/tube	RESULT ug/tube	RESULT ug/tube	RESULT ug/tube	RESULT ug/tube
BENZENE ----------	<1.0	<1.0	<1.0	<1.0	<1.0
TOLUENE ----------	<1.0	<1.0	<1.0	<1.0	<1.0
ETHYL BENZENE ----------	<1.0	<1.0	<1.0	<1.0	<1.0
TOTAL XYLENES ----------	<2.0	<2.0	<2.0	<2.0	<2.0

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

METHOD: NIOSH 5515
SEMI-VOLATILE ORGANICS
POLYNUCLEAR AROMATIC HYDROCARBONS

SAMPLE IDENTIFICATION :	STA.1 3-10	STA.2 3-10	STA.3 3-10	STA.4 3-10	METHOD BLANK	
HAS SAMPLE #92-429	001	002	003	004	----	
COMPOUNDS	RESULT ug/SAMPLE	RESULT ug/SAMPLE	RESULT ug/SAMPLE	RESULT ug/SAMPLE	RESULT ug/SAMPLE	MDL ug/SAMPLE
ACENAPHTHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
ACENAPHTHYLENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
ANTHRACENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(a)ANTHRACENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(b)FLUORANTHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(k)FLUORANTHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(a)PYRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(g,h,i)PERYLENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
CHRYSENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
DIBENZ(a,h)ANTHRACENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
FLUORANTHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
FLUORENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
INDENO(1,2,3-cd)PYRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
NAPHTHALENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
PHENANTHRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
PYRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
DATE SAMPLED:	3-10-92	3-10-92	3-10-92	3-10-92	----	
DATE RECEIVED:	3-11-92	3-11-92	3-11-92	3-11-92	----	
DATE EXTRACTED:	3-11-92	3-11-92	3-11-92	3-11-92	3-11-92	
DATE ANALYZED:	3-12-92	3-13-92	3-13-92	3-13-92	3-11-92	

EMPIRE SOILS INVESTIGATIONS INC.

429

CHAIN OF CUSTODY RECORD

PROJECT NO	SITE NAME	NO OF CONTAINERS	REMARKS
BTA-92-045	Penn Yan, NY		

SAMPLERS (SIGNATURE) Michael Attwood

STATION NO	DATE	TIME	COMP	GRAB	STATION LOCATION	NO OF CONTAINERS	REMARKS
Sta. 1	3-10				2 Tubes, 1 Filter 001	3	BTEX GC, P.A.H. GC/MS
Sta. 2	3-10				2 Tubes, 1 Filter 002	3	"
Sta. 3	3-10				2 Tubes, 1 Filter 003	3	"
Sta. 4	3-10				2 Tubes, 1 Filter 004	3	"

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)
Michael Attwood	3/11	4:00					
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE	TIME	REMARKS	
				3/11/92	2100	DM	

EMPIRE SOILS INVESTIGATIONS, INC.
DAILY SITE REPORT

PROJECT:	**NYSEG Tank Removal**
LOCATION:	**Water Street, Penn Yan, New York**
CLIENT:	**SLC Consultants/Constructors, Inc.**
PROJECT NO:	**BTA-92-045**
DATE:	**March 13, 1992**
WEATHER:	**Cloudy, Cold**
WIND:	**NE 10-20 MPH**
INSPECTOR:	**Michael Atwood**

ESI arrived on-site at 8:00 AM to take background air samples at the request of SLC and NYSEG. ESI calibrated the air sampling pumps and set up the air sampling equipment at the four air monitoring stations. Although the job was complete (i.e. tank removed and excavation backfill) additional ambient air background measurements were taken. The air sampling pumps were in operation approximately six (6) hours. In addition to the air sampling at the four (4) monitoring stations organic vapor measurements were taken with an OVA in the area of the pit excavation. The OVA measurements indicated no organic vapor were detected above background levels. Air samples collected were packaged and shipped to the laboratory for analysis. It should be noted that this was the last day that SLC requested that ESI to collect air samples at the above referenced site. ESI off-site at 2:30 PM.

ENVIRONMENTAL ANALYTICAL REPORT

REPORT NUMBER 92-447

PREPARED FOR:

EMPIRE SOILS INVESTIGATIONS, INC.
535 SUMMIT POINT DRIVE
ROCHESTER, NEW YORK 14467

PREPARED BY:

HUNTINGDON ANALYTICAL SERVICES
DIVISION OF EMPIRE SOILS INVESTIGATIONS, INC.
P.O. BOX 250
MIDDLEPORT, NEW YORK 14105

MARCH 27, 1992

HAS

HUNTINGDON ANALYTICAL SERVICES
ELAP #10833
ENVIRONMENTAL REPORT

REPORT NUMBER 92-447

STATEMENT OF WORK PERFORMED

I HEREBY DECLARE THAT THE WORK WAS PERFORMED UNDER MY SUPERVISION ACCORDING TO THE PROCEDURES OUTLINED BY THE FOLLOWING REFERENCES AND THAT THIS REPORT PROVIDES A CORRECT AND FAITHFUL RECORD OF THE RESULTS OBTAINED.

- 40 CFR PART 136, "GUIDELINES ESTABLISHING TEST PROCEDURES FOR THE ANALYSIS OF POLLUTANTS UNDER THE CLEAN WATER ACT", OCTOBER 26, 1984 (FEDERAL REGISTER) U. S. ENVIRONMENTAL PROTECTION AGENCY.

- U.S. ENVIRONMENTAL PROTECTION AGENCY, "TEST METHODS OF EVALUATING SOLID WASTE - PHYSICAL/CHEMICAL METHODS", OFFICE OF SOLID WASTE AND EMERGENCY RESPONSE, SW-846, 2ND EDITION AND 3RD EDITION.

- NEW YORK STATE DEPARTMENT OF HEALTH, ANALYTICAL TOXICOLOGY LABORATORY HANDBOOK, AUGUST 1982.

Douglas J. Hilland Jr Ph

RICHARD J. RONAN, PH.D. MARCH 27, 1992
LABORATORY DIRECTOR, ENVIRONMENTAL

REPORT CODE LEGEND:

<DL.	= LESS THAN DETECTION LIMIT
ND	= NOT DETECTED
NA	= NOT APPLICABLE
INP	= INFORMATION NOT PROVIDED
MB	= METHOD BLANK

HAS

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

NIOSH METHOD 1501
AROMATIC HYDROCARBONS

SAMPLE IDENTIFICATION :	METHOD BLANK	sta.1	sta.2	sta.3	sta.4
HAS SAMPLE #92-447-	---	001	002	003	004
DATE SAMPLED:	3-13-92	3-13-92	3-13-92	3-13-92	3-13-92
COMPOUND	RESULT ug/tube	RESULT ug/tube	RESULT ug/tube	RESULT ug/tube	RESULT ug/tube
BENZENE ----------	<1.0	<1.0	<1.0	<1.0	<1.0
TOLUENE ----------	<1.0	<1.0	<1.0	<1.0	<1.0
ETHYL BENZENE ----------	<1.0	<1.0	<1.0	<1.0	<1.0
TOTAL XYLENES ----------	<2.0	<2.0	<2.0	<2.0	<2.0

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

METHOD: NIOSH 5515
SEMI-VOLATILE ORGANICS
POLYNUCLEAR AROMATIC HYDROCARBONS

SAMPLE IDENTIFICATION :	STD 1	STD 2	STD 3	STD 4	METHOD BLANK	
HAS SAMPLE #92-447	001	002	003	004	—	
COMPOUNDS	RESULT ug/SAMPLE	RESULT ug/SAMPLE	RESULT ug/SAMPLE	RESULT ug/SAMPLE	RESULT ug/SAMPLE	MDL ug/SAMPLE
ACENAPHTHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
ACENAPHTHYLENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
ANTHRACENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(a)ANTHRACENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(b)FLUORANTHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(k)FLUORANTHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(a)PYRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
BENZO(g,h,i)PERYLENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
CHRYSENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
DIBENZ(a,h)ANTHRACENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
FLUORANTHENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
FLUORENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
INDENO(1,2,3-cd)PYRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
NAPHTHALENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
PHENANTHRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
PYRENE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
DATE SAMPLED:	INP	INP	INP	INP	—	
DATE RECEIVED:	3-13-92	3-13-92	3-13-92	3-13-92	—	
DATE EXTRACTED:	3-20-92	3-20-92	3-20-92	3-20-92	3-20-92	
DATE ANALYZED:	3-21-92	3-21-92	3-21-92	3-21-92	3-21-92	

HUNTINGDON ANALYTICAL SERVICES - CHAIN-OF-CUSTODY RECORD AND ANALYTICAL REQUEST FORM Page ___ of ___

Client Name: ESI - Rock | Client Contact: ___ | HAS Quote #: ___

Address: ___ | Phone: ___ | P.O. #: ___

Project No.: BTA-92-45 | Project/Site Name: PANH / PAN | HAS Ref. #: 2147

Samplers (Signature): ___

Sample Id.	Date	Time	Comp.	Grab	Sample Location	HAS Seq. #	MATRIX	# of Containers	Container Size & Type: Tubes	Filters	Analysis Requested/ Remarks
Std 1	3/13					001		3	2	1	BTEX GC PAH GC/M
Std 2						002		3	2	1	
Std 3						003		3	2	1	
Std 4						004		3	2	1	

Relinquished by:	Date/ Time:	Received by:	Relinquished by:	Date/ Time:	Received By:
Relinquished by:	Date/ Time:	Received by:	Relinquished by:	Date/ Time:	Received By:
Relinquished by:	Date/ Time:	Received for Lab by:	Date/ Time:	Remarks:	

EMPIRE
SOILS INVESTIGATIONS INC

ATTACHMENT C

ENVIRONMENTAL ANALYTICAL REPORT

REPORT NUMBER 92-346

PREPARED FOR:

EMPIRE SOILS INVESTIGATIONS, INC.
S-5167 S. PARK AVENUE
HAMBURG, NEW YORK 14075

RE: BTA-902-045, PENN YAN, NY

PREPARED BY:

HUNTINGDON ANALYTICAL SERVICES
DIVISION OF EMPIRE SOILS INVESTIGATIONS, INC.
P.O. BOX 250
MIDDLEPORT, NEW YORK 14105

MARCH 20, 1992

HAS

HUNTINGDON ANALYTICAL SERVICES
ELAP #10833
ENVIRONMENTAL REPORT

REPORT NUMBER 92-346

STATEMENT OF WORK PERFORMED

I HEREBY DECLARE THAT THE WORK WAS PERFORMED UNDER MY SUPERVISION ACCORDING TO THE PROCEDURES OUTLINED BY THE FOLLOWING REFERENCES AND THAT THIS REPORT PROVIDES A CORRECT AND FAITHFUL RECORD OF THE RESULTS OBTAINED.

- 40 CFR PART 136, "GUIDELINES ESTABLISHING TEST PROCEDURES FOR THE ANALYSIS OF POLLUTANTS UNDER THE CLEAN WATER ACT", OCTOBER 26, 1984 (FEDERAL REGISTER) U. S. ENVIRONMENTAL PROTECTION AGENCY.

- U.S. ENVIRONMENTAL PROTECTION AGENCY, "TEST METHODS OF EVALUATING SOLID WASTE - PHYSICAL/CHEMICAL METHODS, " OFFICE OF SOLID WASTE AND EMERGENCY RESPONSE, SW-846, 2ND EDITION AND 3RD EDITION.

- NEW YORK STATE DEPARTMENT OF HEALTH, ANALYTICAL TOXICOLOGY LABORATORY HANDBOOK, AUGUST 1982.

Richard J. Ronan

RICHARD J. RONAN, PH.D. MARCH 20, 1992
LABORATORY DIRECTOR, ENVIRONMENTAL

REPORT CODE LEGEND:

<DL	= LESS THAN DETECTION LIMIT
ND	= NOT DETECTED
NA	= NOT APPLICABLE
INP	= INFORMATION NOT PROVIDED
MB	= METHOD BLANK

HAS

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

METHOD 608
POLYCHLORINATED BIPHENYLS

SAMPLE IDENTIFICATION :	METHOD BLANK	001	002
HAS SAMPLE #92-346-	---	001	002
DATE ANALYZED:	3-9-92	3-9-92	3-9-92
COMPOUND	RESULT ug/L	RESULT ug/L	RESULT ug/L
PCB-1016 ----------	<0.50	<0.50	<0.50
PCB-1221 ----------	<0.50	<0.50	<0.50
PCB-1232 ----------	<0.50	<0.50	<0.50
PCB-1242 ----------	<0.50	<0.50	<0.50
PCB-1248 ----------	<0.50	<0.50	<0.50
PCB-1254 ----------	<1.0	<1.0	<1.0
PCB-1260 ----------	<1.0	<1.0	<1.0

HUNTINGDON ANALYTICAL SERVICES
ENVIRONMENTAL

METHOD 8080
POLYCHLORINATED BIPHENYLS

SAMPLE IDENTIFICATION :	METHOD BLANK	003
HAS SAMPLE #92-346-	---	003
DATE ANALYZED:	3-9-92	3-9-92
COMPOUND	RESULT ug/g	RESULT ug/g
PCB-1016 ----------	<0.20	<0.20
PCB-1221 ----------	<0.20	<0.20
PCB-1232 ----------	<0.20	<0.20
PCB-1242 ----------	<0.20	<0.20
PCB-1248 ----------	<0.20	<0.20
PCB-1254 ----------	<0.20	0.66
PCB-1260 ----------	<0.20	<0.20

EMPIRE
SOILS INVESTIGATIONS INC.

346

CHAIN OF CUSTODY RECORD

PROJECT NO: BTH - 92-045

SITE NAME: Penn Yann

SAMPLERS (SIGNATURE): Ronald W Frenck Sic

STATION NO	DATE	TIME	COMP	GRAB	STATION LOCATION	NO OF CONTAINERS	1 Quart Glass	REMARKS
#1	3/2/92		✓		Inside Sump	1	1	PCB 001
#2	3/2/92		✓		Outside Sump	1	1	PCB 002
#3	3/2/92		✓		Inside Sludge	1	1	PCB 003

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)
Ronald W Frenck CSIC	3/2/92	1730					
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE	TIME	REMARKS	

Disposition (Dispatched to/Stored in/Returned to)

SAND BAGS DIKE WITH
POLY COVER

HIGH DENSITY POLYETHYLENE
LINED HOLDING AREA

HAUL ROAD

AIR SAMPLING

EXCAVATION

TANK CLEANING

OPENED TANK

MONITORING WELL WITH COVER AT RESTORED AREA

INSIDE STORAGE AREA