BH-98-08 (19 Ft. bgs.)	CONC.
BTEX	552000
PAHs	3561000

Tar Well (15 ft. bgs.)	CONC.
TCLP Ben.	26000D
BTEX	3230000
PAHs	3818000

BH-97-02 (13.2 ft. bgs.)	CONC.
BTEX	16
PAHs	400
Cyanide	ND

TP-97-26 (5.5 ft. bgs.)	CONC.
BTEX	ND
PAHs	ND
Cyanide	1800
W.A.D. CN	ND

BH-97-01 (10.4 ft. bgs.)	CONC.
BTEX	ND
PAHs	5789000
Cyanide	2000J
W.A.D. CN	ND

TP-99-31 (6.0 ft. bgs.)	CONC.
BTEX	1800
PAHs	664
Cyanide	ND
W.A.D. CN	NA

TP-99-28A (10.0 ft. bgs.)	CONC.
BTEX	57
PAHs	8080
Cyanide	ND
W.A.D. CN	NA

TP-97-12 (7.0 ft. bgs.)	CONC.
BTEX	100000
PAHs	7861000
Cyanide	ND
W.A.D. CN	NA

GP-99-16 (2.0 ft. bgs.)	CONC.
BTEX	8
PAHs	ND
Cyanide	ND
W.A.D. CN	NA

TP-99-28 (7.5 ft. bgs.)	CONC.
BTEX	9
PAHs	10020
Cyanide	ND
W.A.D. CN	NA

GP-99-02 (1.0-1.5 ft. bgs.)	CONC.
BTEX	13000
PAHs	3817900
Cyanide	ND
W.A.D. CN	NA

TP-97-24 (6.5 ft. bgs.)	CONC.
BTEX	ND
PAHs	40480
Cyanide	5400
W.A.D. CN	ND

TP-97-14 (6.0 ft. bgs.)	CONC.
BTEX	244800
PAHs	7426000
Cyanide	1500
W.A.D. CN	ND

TP-97-13F (3.3 ft. bgs.)	CONC.
TCLP Ben.	380
BTEX	217800
PAHs	1961900
Cyanide	ND

TP-97-17 (2.0 ft. bgs.)	CONC.
BTEX	60400
PAHs	9767000
Cyanide	ND

9767

LEGEND

- PROPERTY LINE
- HISTORIC STRUCTURE
- MH MANHOLE
- BH-97-01 1997 TEST BORING LOCATION
- BH-98-06 1998 TEST BORING LOCATION
- MW-97-05D 1997 MONITORING WELL LOCATION
- MW-98-11D 1998 MONITORING WELL LOCATION
- TP-97-21 1997 TEST PIT LOCATION
- TP-99-28 1999 TEST PIT LOCATION
- GP-99-02 1999 GEOPROBE SAMPLE LOCATION
- ANALYTE CONCENTRATIONS EXCEED RSCOs

NOTES:
NA-NO DATA GENERATED
ND-NOT DETECTED
J-ESTIMATED VALUE

120 60 0 120 240
GRAPHIC SCALE IN FEET

GEI Consultants, Inc.

FIGURE 4

ANALYTICAL RESULTS (ppb) FOR SUBSURFACE-SOIL SAMPLES

SARANAC STREET SITE
PLATTSBURGH, NEW YORK

N:\SEG\PLATTS\97334\RI\FIG\PLA-SUBA

STORM DRAINAGE OUTFALL

COFFER DAM

EXISTING RIVERSIDE SLURRY WALL

MUNICIPAL PARKING LOT

EXISTING SANITARY SEWER TO BE TEMPORARILY RELOCATED AND RECONSTRUCTED

SARANAC RIVER

PHASE II SEDIMENT EXCAVATION

BROAD STREET "KENNEDY BRIDGE"

SARANAC RIVER

EXISTING CONCRETE PAD

EXISTING SUBSTATION

PHASE I SEDIMENT EXCAVATION

EXISTING CONTAINMENT CELL WALL

SARANAC STREET

COFFER DAM

SARANAC RIVER

EXISTING SUBSTATION TO BE TEMPORARILY RELOCATED

FORMER GAS HOLDER #3

CONCRETE PAD

WOOD DECK BRIDGE

FORMER GAS TANKS

DIRT ROAD

FORMER TAR STORAGE TANKS

CAROLINE STREET

FORMER MGP PLANT AREA IRM LOCATION COMPLETED FALL 2002

COFFER DAM

LEGEND

- EXCAVATION LIMITS
- COFFER DAM
- PROPERTY LINE
- FORMER BUILDINGS OR STRUCTURES
- MH MANHOLE
- PRECONSTRUCTION FURTHER INVESTIGATION AREA
- CONSTRUCTION DEBRIS

SOIL CONTAINING:

- TAR-SATURATED OR OIL IN ANY FORM,
- SHEEN PRESENT, TOTAL PAHS > 1,000 ppm,
- MGP-ODOR PRESENT, TOTAL PAHS > 1,000 ppm,
- PURIFIER WASTES PRESENT, REACTIVE CYANIDE > 500 ppm, OR
- PURIFIER WASTES PRESENT, REACTIVE SULFIDE > 250 ppm

SEDIMENTS CONTAINING:

- TAR OR OIL PRESENT IN ANY FORM, OR
- CAPABLE OF GENERATING SHEEN WHEN DISTURBED

NOTES:

1. PHYSICAL DESCRIPTIONS OF IMPACTS IN AREAS BETWEEN INVESTIGATION POINTS WAS INTERPOLATED BASED ON CONSTRUCTABILITY ISSUES AND GEI'S EXPERIENCE OF LIKELY CONTAMINANT DISTRIBUTION.

120 60 0 120 240

GRAPHIC SCALE IN FEET

GEI Consultants, Inc.

Figure 5
REMEDIAL ALTERNATIVE 2 - EXCAVATE TO TAGM LEVELS

SARANAC STREET
PLATTSBURGH, NEW YORK

NYSEGPLATTS\973340\1005\IFS\IFS-0503PLATT REM-ALT

STORM DRAINAGE OUTFALL

COFFER DAM

EXISTING RIVERSIDE SLURRY WALL

MUNICIPAL PARKING LOT

EXISTING SANITARY SEWER TO BE TEMPORARILY RELOCATED AND RECONSTRUCTED

SARANAC RIVER

PHASE II SEDIMENT EXCAVATION

BROAD STREET "KENNEDY BRIDGE"

SARANAC RIVER

EXISTING CONCRETE PAD

EXISTING SUBSTATION

PHASE I SEDIMENT EXCAVATION

EXISTING CONTAINMENT CELL WALL

SARANAC STREET

COFFER DAM

SARANAC RIVER

MH

EXISTING SUBSTATION TO BE TEMPORARILY RELOCATED

FORMER GAS HOLDER #3

CONCRETE PAD

WOOD DECK BRIDGE

FORMER GAS TANKS

DIRT ROAD

FORMER TAR STORAGE TANKS

CAROLINE STREET

FORMER MGP PLANT AREA IRM LOCATION COMPLETED FALL 2002

COFFER DAM

LEGEND

- SURFACE CAP
- EXCAVATION LIMITS
- COFFER DAM
- PROPERTY LINE
- FORMER BUILDINGS OR STRUCTURES
- MH MANHOLE
- PRECONSTRUCTION FURTHER INVESTIGATION AREA
- CONSTRUCTION DEBRIS

SOIL CONTAINING:

- TAR-SATURATED OR OIL IN ANY FORM,
- SHEEN PRESENT, TOTAL PAHS > 1,000 ppm,
- MGP-ODOR PRESENT, TOTAL PAHS > 1,000 ppm,
- PURIFIER WASTES PRESENT, REACTIVE CYANIDE > 500 ppm, OR
- PURIFIER WASTES PRESENT, REACTIVE SULFIDE > 250 ppm

SEDIMENTS CONTAINING:

- TAR OR OIL PRESENT IN ANY FORM, OR
- CAPABLE OF GENERATING SHEEN WHEN DISTURBED

NOTES:

1. PHYSICAL DESCRIPTIONS OF IMPACTS IN AREAS BETWEEN INVESTIGATION POINTS WAS INTERPOLATED BASED ON CONSTRUCTABILITY ISSUES AND GEI'S EXPERIENCE OF LIKELY CONTAMINANT DISTRIBUTION.

120 60 0 120 240

GRAPHIC SCALE IN FEET

GEI Consultants, Inc.

FIGURE 6
REMEDIAL ALTERNATIVE 3A - EXCAVATE SOURCE MATERIAL

SARANAC STREET
PLATTSBURGH, NEW YORK

NYSEG\PLATTS\973340\1005\FS\FS-0503PLATT REM-ALT