New York State Department of Environmental Conservation
Office of Environmental Quality, Region 4
1130 North Westcott Road, Schenectady, New York 12306-2014
Phone: (518) 357-2045 • **Fax:** (518) 357-2398
Website: www.dec.ny.gov

Joe Martens
Commissioner

October 21, 2014

Mr. Andrew Barber
Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany, NY 12205

Re: Spill #1403707, ALCO-Maxon Site - Parcel B
301 Nott Street, Schenectady, NY 12306
Schenectady County

Dear Mr. Barber:

With receipt of the waste manifests for the material removed in the remediation of Spill 1403707 (7/07/2014), the New York State Department of Environmental Conservation (NYSDEC) Region 4 office has closed this spill. A copy of the NYSDEC Spill Report is enclosed.

Please contact me at (518) 357-2390, if you have any questions.

Sincerely,

John R Strang

John R. Strang, P.E.
Environmental Engineer 2
Division of Environmental Remediation
Region 4

Enclosure

ec: D. Buicko, Maxon ALCO Holdings, LLC
S. Porter, Galesi
S. Luciano, Galesi
J. Deming, NYSDOH
A. DeMarco, NYSDOH
R. Ostrov, NYSDEC
J. Quinn, NYSDEC

NYSDEC SPILL REPORT FORM

DEC REGION: 4 **SPILL NUMBER:** 1403707

SPILL NAME: ALCO DEMO SITE **DEC LEAD:** JRSTRANG

CALLER NAME: AUSTIN DISIENA **NOTIFIER'S NAME:** AUSTIN DISIENA

CLR'S AGENCY: RIFENBURG CONSTRUCTION **NOTIFIER'S AGENCY:** RIFENBURG CONSTRUCTION

CALLER'S PHONE: (518) 337-3715 **NOTIFIER'S PHONE:** (518) 337-3715

SPILL DATE: 07/07/2014 **SPILL TIME:** 4:00 pm **DISPATCHER:**

CALL RECEIVED DATE: 07/07/2014 **RECEIVED TIME:** 4:32 pm BAWHITE

SPILL LOCATION

PLACE: ALCO DEMO SITE **COUNTY:** Schenectady

STREET: 301 NOTT ST **TOWN/CITY:** Schenectady (c)

COMMUNITY: SCHENECTADY

CONTACT: AUSTIN DISIENA **CONTACT PHONE:** (518) 337-3715

CONT. FACTOR: Unknown **SPILL REPORTED BY:** Other

FACILITY TYPE: Commercial/Industrial **WATERBODY:**

CALLER REMARKS:

Uncovered a free flowing petroleum area in the ground during excavation job. Spill contained and cleanup is pending.

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
UNKNOWN PETROLEUM	Petroleum			Soil,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
ALCO DEMO SITE	301 NOTT ST SCHENECTADY NY	AUSTIN DISIENA (518) 337-3715

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

ALCO BCP site: Contaminated soil with surface oil (smell of diesel fuel) uncovered as part of waterline investigation by Rifenberg, contractor for BCP Volunteer (Maxon Alco Holdings). DER PM responded on 7/7/14 5:15 PM. (Strang)

7/15/2014 All petroleum stained soil removed from waterline investigation excavation. Pads placed on surface contamination were collected and drummed. Approx. 8 cubic yards removed and stored under plastic in designated stockpile area. (Strang)

Await manifests documenting final volume (by weight) and final location of soil taken from the site.

10/07/2014 Staged soil was trucked from site as non-haz (petroleum contaminated soil) to Town of Colonie Landfill.

10/10/2014 Received the disposal manifests for this material. Spill closed (10/16/2014).

NYSDEC SPILL REPORT FORM

DEC REGION: 4 **SPILL NUMBER:** 1403707

SPILL NAME: ALCO DEMO SITE **DEC LEAD:** JRSTRANG

PIN **T & A** **COST CENTER**

CLASS: C3 **CLOSE DATE:** 10/16/2014 **MEETS STANDARDS:** True

New York State Department of Environmental Conservation
Office of Environmental Quality, Region 4
1130 North Westcott Road, Schenectady, New York 12306-2014
Phone: (518) 357-2045 • **Fax:** (518) 357-2398
Website: www.dec.ny.gov

Joe Martens
Commissioner

January 15, 2015

Mr. Andrew Barber
Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany, NY 12205

Re: Spill #1405262, ALCO-Maxon Site - Parcel B
BCP Site C447043
301 Nott Street, Schenectady, NY 12306
Schenectady County

Dear Mr. Barber:

With receipt of the waste manifests for the material removed in the remediation of Spill 1405262 (reported 8/14/14), the New York State Department of Environmental Conservation (NYSDEC) Region 4 office has closed this spill. A copy of the NYSDEC Spill Report is enclosed.

Please contact me at (518) 357-2390, if you have any questions.

Sincerely,

John R. Strang, P.E.
Environmental Engineer 2
Division of Environmental Remediation
Region 4

Enclosure

ec: D. Buicko, Maxon ALCO Holdings, LLC
S. Porter, Galesi
S. Luciano, Galesi
J. Deming, NYSDOH
A. DeMarco, NYSDOH
R. Ostrov, NYSDEC
J. Quinn, NYSDEC

NYSDEC SPILL REPORT FORM

DEC REGION: 4 **SPILL NUMBER:** 1405262

SPILL NAME: ALCO SITE NOTT ST IND PK **DEC LEAD:** JRSTRANG

CALLER NAME: AUSTIN DISIENA **NOTIFIER'S NAME:** AUSTIN DISIENA

CLR'S AGENCY: RIFENBURG CONTRACTING **NOTIFIER'S AGENCY:** RIFENBURG CONTRACTING

CALLER'S PHONE: 518 337 3715 **NOTIFIER'S PHONE:** 518 337 3715

SPILL DATE: 08/14/2014 **SPILL TIME:** 10:30 am **DISPATCHER:**

CALL RECEIVED DATE: 08/14/2014 **RECEIVED TIME:** 11:05 am BMDAGG

SPILL LOCATION

PLACE: ALCO SITE NOTT ST IND PK **COUNTY:** Schenectady

STREET: 301 NOTT ST **TOWN/CITY:** Schenectady (c)

SOIL 301 NOTT ST IND PK **COMMUNITY:** SCHENECTADY

CONTACT: AUSTIN DISIENA **CONTACT PHONE:** 518 337 3715

CONT. FACTOR: Other **SPILL REPORTED BY:** Other

FACILITY TYPE: Commercial/Industrial **WATERBODY:**

CALLER REMARKS:

Caller advised removing a foundation and has found some unknown petroleum contamination in the soil. Clean up is contained and pending.

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
UNKNOWN PETROLEUM	Petroleum			Soil,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
GALESI GROUP (ALCO SITE NOTT ST IND PK)	NY	

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

on 8/14/14 1:30 PM - viewed spill, talked with construction contractor (Rifenburg), environmental consultant (Barton&Loguidice) and BCP volunteer (Galesi). Pictures taken. Spill location was recorded with GPS. (Strang)

Allowed spill area to be covered and protected while Rifenburg continued with removal of Building 332 foundation.

on 9/18/14, overburden was removed and liquid (dark green with septic smell) was found ponded within concrete cell with concrete floor. Three and 1/2 trucks (approx 55 cubic yards) of soil was removed and approx. 500 gallons of groundwater was pumped from the cell and put into drums. Excavation was back filled.

Received manifests for disposal of soil (Town of Colonie Landfill) and Schenectady WWTP acceptance of groundwater (green liquid) on 12/9/2014. Spill closed (01/13/2015) (Strang)

NYSDEC SPILL REPORT FORM

DEC REGION: 4 **SPILL NUMBER:** 1405262

SPILL NAME: ALCO SITE NOTT ST IND PK **DEC LEAD:** JRSTRANG

PIN **T & A** **COST CENTER**

CLASS: C3 **CLOSE DATE:** 01/13/2015 **MEETS STANDARDS:** True

New York State Department of Environmental Conservation
Office of Environmental Quality, Region 4
1130 North Westcott Road, Schenectady, New York 12306-2014
Phone: (518) 357-2045 • **Fax:** (518) 357-2398
Website: www.dec.ny.gov

Joe Martens
Commissioner

January 15, 2015

Mr. Andrew Barber
Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany, NY 12205

Re: Spill #1405321, ALCO-Maxon Site - Parcel B
BCP Site C447043
301 Nott Street, Schenectady, NY 12306
Schenectady County

Dear Mr. Barber:

With receipt of the waste manifests for the material removed in the remediation of Spill 1405321 (8/15/14), the New York State Department of Environmental Conservation (NYSDEC) Region 4 office has closed this spill. A copy of the NYSDEC Spill Report is enclosed.

Please contact me at (518) 357-2390, if you have any questions.

Sincerely,

John R. Strang, P.E.
Environmental Engineer 2
Division of Environmental Remediation
Region 4

Enclosure

ec: D. Buicko, Maxon ALCO Holdings, LLC
S. Porter, Galesi
S. Luciano, Galesi
J. Deming, NYSDOH
A. DeMarco, NYSDOH
R. Ostrov, NYSDEC
J. Quinn, NYSDEC

NYSDEC SPILL REPORT FORM

DEC REGION: 4 **SPILL NUMBER:** 1405321

SPILL NAME: ALCO SITE NOTT ST IND PK (BLDG 332) **DEC LEAD:** JRSTRANG

CALLER NAME: AUSTIN DISIENA **NOTIFIER'S NAME:** AUSTIN DISIENA

CLR'S AGENCY: RIFENBURG CONTRACTING **NOTIFIER'S AGENCY:** RIFENBURG CONTRACTING

CALLER'S PHONE: 5183373715 **NOTIFIER'S PHONE:** 5183373715

SPILL DATE: 08/15/2014 **SPILL TIME:** 12:30 pm **DISPATCHER:**

CALL RECEIVED DATE: 08/15/2014 **RECEIVED TIME:** 1:27 pm jwmaher

SPILL LOCATION

PLACE: ALCO SITE NOTT ST IND PK (BLDG 332) **COUNTY:** Schenectady

STREET: 301 NOTT ST **TOWN/CITY:** Schenectady (c)

ALCO SITE 301 NOTT ST IND PK **COMMUNITY:** SCHENECTADY

CONTACT: AUSTIN DISIENA **CONTACT PHONE:** 5183373715

CONT. FACTOR: Unknown **SPILL REPORTED BY:** Other

FACILITY TYPE: Commercial/Industrial **WATERBODY:**

CALLER REMARKS:

Another pocket of contaminated soil discovered while excavating.

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
UNKNOWN PETROLEUM	Petroleum			Soil,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
UNKNOWN AT THIS TIME @ ALCO SITE (NOTT ST IND PK)	301 NOTT ST SCHENECTADY NY	AUSTIN BISIENA 5183373715

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

8/18/2014 - Inspected spill location. Found during the breaking up of ALCO Building 332 building foundation. (Strang)

8/25/2014 A second area a short distance (50') was located with product. Will be remediated under this spill number. Allowed both spill locations to be covered and protected while Rifenburg continued with removal of Building 332 foundation. Locations both recorded with GPS.(Strang)

On 9/22/14, overburden was removed and petroleum saturated soil was excavated from both locations. Visual and PID readings used in determination that contaminated soil was removed. Pictures in DecDocs. Only soil was removed, no free oil needed to be absorb with pads or groundwater needed to be pumped. (Strang)

Closed spill upon receipt of manifests (12/09/14) Soil went to Town of Colonie Landfill. (Strang)

NYSDEC SPILL REPORT FORM

DEC REGION: 4 **SPILL NUMBER:** 1405321

SPILL NAME: ALCO SITE NOTT ST IND PK (BLDG 332) **DEC LEAD:** JRSTRANG

PIN **T & A** **COST CENTER**

CLASS: C3 **CLOSE DATE:** 01/13/2015 **MEETS STANDARDS:** True

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Office of Environmental Quality, Region 4
1130 North Westcott Road, Schenectady, NY 12306-2014
P: (518) 357-2045 | F: (518) 357-2398
www.dec.ny.gov

December 12, 2016

Maxon ALCO Holdings, LLC
Attn: Mr. David Buicko
695 Rotterdam Industrial Park
Schenectady, NY 12306

Re: ALCO-Maxon Site – Parcel B, BCP Site No. C447043, Schenectady
Parcel B IRM Spill No. 1407234 Construction Completion Report

Dear Mr. Buicko:

The New York State Department of Environmental Conservation (Department) did receive the certified Construction Completion Report (dated 11/10/16) for Spill 1407234. Spill 1407234 was closed 11/10/16. Include this letter in the Final Engineering Report for ALCO-Maxon Site – Parcel B.

I may be reached at (518) 357-2390 or by email at john.strang@dec.ny.gov with any questions.

Sincerely,

John R. Strang, PE.
Environmental Engineer 2
Division of Environmental Remediation
Region 4

ec: T. Owens, Galesi
D. Sommer, Young Sommer
S. Luciano, Galesi
A. Barber, Barton & Loguidice
R. Ostrov, NYSDEC
R. Mustico, NYSDEC RHWRE

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Office of Environmental Quality, Region 4
1130 North Westcott Road, Schenectady, NY 12306-2014
P: (518) 357-2045 | F: (518) 357-2398
www.dec.ny.gov

November 8, 2016

Maxon ALCO Holdings, LLC
Attn: Mr. David Buicko
695 Rotterdam Industrial Park
Schenectady, NY 12306

Re: ALCO-Maxon Site – Parcel B, BCP Site No. C447043, Schenectady
Parcel B IRM Spill No. 1407234 Construction Completion Report

Dear Mr. Buicko:

The New York State Department of Environmental Conservation (Department) and the New York State Department of Health have reviewed the Interim Remedial Measures (IRM) Construction Completion Report (CCR), received on 08/31/16 for Spill No. 1407234 located within ALCO-Maxon Site – Parcel B. The IRM proposed in-situ remediation of saturated soil and groundwater by injection of a chemical oxidant to degrade the source area. This CCR submittal satisfactorily summarized the remedial work completed and details the marked improvement in the level of diesel range organics from the baseline soil results (06/15) to the confirmatory soil results (04/16). The Department has no further comments on the report.

The Department has received the waste manifests and disposal receipts for both the diesel oil collected and the soil that was excavated, therefore, we request resubmission of the Parcel B IRM Spill No. 1407234 CCR with signed certification.

Upon the receipt of a certified CCR, the Department will send an approval letter that will include the closure of Spill No. 1407243. I may be reached at (518) 357-2390 or by email at john.strang@dec.ny.gov with any questions.

Sincerely,

John R. Strang, PE.
Environmental Engineer 2
Division of Environmental Remediation
Region 4

ec: T. Owens, Galesi
D. Sommer, Young, Sommer
S. Luciano, Galesi
P. Fallati, Galesi
A. Barber, Barton & Loguidice
J. Deming, NYSDOH
R. Swider, CDR-DOH
J. Frame, SC-DOH
R. Cozzy, NYSDEC
R. Quail, NYSDEC - FWMR
C. Gosier, NYSDEC - FWMR
R. Ostrov, NYSDEC Reg. 4
R. Mustico, NYSDEC RHWRE

NYSDEC SPILL REPORT FORM

DEC REGION: 4 **SPILL NUMBER:** 1408544

SPILL NAME: 450 FEET FROM ERIE BLVD **DEC LEAD:** JRSTRANG

CALLER NAME: JAMIE KENT **NOTIFIER'S NAME:** JAMIE KENT

CLR'S AGENCY: RIFENBURG **NOTIFIER'S AGENCY:** RIFENBURG

CALLER'S PHONE: (315) 296-5327 **NOTIFIER'S PHONE:** (315) 296-5327

SPILL DATE: 11/18/2014 **SPILL TIME:** 4:30 pm **DISPATCHER:**

CALL RECEIVED DATE: 11/19/2014 **RECEIVED TIME:** 12:44 pm JRSTEVEN

SPILL LOCATION

PLACE: 450 FEET FROM ERIE BLVD **COUNTY:** Schenectady

STREET: 301 NOTT ST **TOWN/CITY:** Schenectady (c)

COMMUNITY: SCHENECTADY

CONTACT: AUSTIN DISIENIA **CONTACT PHONE:** (518) 337-3715

CONT. FACTOR: Equipment Failure **SPILL REPORTED BY:** Other

FACILITY TYPE: Commercial/Industrial **WATERBODY:**

CALLER REMARKS:

During an excavation an underground tank and contaminated soil was found. Clean up is pending DEC direction.

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
Diesel	Petroleum			Soil, GW,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
MAXON ALCO HOLDINGS	301 NOTT ST SCHENECTADY NY	

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

11/18/14 Located vertical tank (half of a once larger tank - upper half missing, therefore filled with soil) while continuing to remove foundations at ALCO-Maxon site - Parcel B. Oil sheen on surface water. DEC told contractor (Rifenburg) to report to Spill Hotline. (Strang)

12/8/14 Vertical tank was excavated. Groundwater in bottom of hole looked questionable - pads placed on water. Pads did not absorb any oil (black water/emulsification from coal possibly). Soil in open tank was excavated out and stockpiled. Approximately 600 gallons of standing water in the bottom of the excavation was pumped out of the hole (placed in frak tank). Four side wall soil samples collected. Soil removal from this Spill is complete. Excavation filled in with DEC approval. (Strang)

01/13/15 Closure report (minus receipt of waste manifests) received, accepted and filed.(Strang)

Received waste manifests (02/20/15) Soil went to Town of Colonie Landfill.
Spill Closed. (Strang)

NYSDEC SPILL REPORT FORM

DEC REGION: 4 **SPILL NUMBER:** 1408544

SPILL NAME: 450 FEET FROM ERIE BLVD **DEC LEAD:** JRSTRANG

PIN **T & A** **COST CENTER**

CLASS: C3 **CLOSE DATE:** 03/31/2015 **MEETS STANDARDS:** True

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Office of Environmental Quality, Region 4
1130 North Westcott Road, Schenectady, NY 12306-2014
P: (518) 357-2045 I F: (518) 357-2398
www.dec.ny.gov

April 1, 2015

Mr. Andrew Barber
Barton & Loguidice, Inc.
10 Airline Drive, Suite 200
Albany, NY 12205

Re: Spill #1408544, ALCO-Maxon Site - Parcel B
BCP Site No. C447043
301 Nott Street, Schenectady, NY 12306
Schenectady County

Dear Mr. Barber:

With receipt of the waste manifests for the material removed in the remediation of Spill 1408544 (reported 11/18/14), the New York State Department of Environmental Conservation (NYSDEC) Region 4 office has closed this spill. A copy of the NYSDEC Spill Report is enclosed.

Please contact me at (518) 357-2390, if you have any questions.

Sincerely,

John R Strang

John R. Strang, P.E.
Environmental Engineer 2
Division of Environmental Remediation
Region 4

Enclosure

ec: D. Buicko, Maxon ALCO Holdings, LLC
S. Porter, Galesi
S. Luciano, Galesi
J. Deming, NYSDOH
A. DeMarco, NYSDOH
R. Ostrov, NYSDEC
J. Quinn, NYSDEC

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Office of Environmental Quality, Region 4
1130 North Westcott Road, Schenectady, NY 12306-2014
P: (518) 357-2045 | F: (518) 357-2398
www.dec.ny.gov

April 1, 2015

Mr. Andrew Barber
Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany, NY 12205

Re: Spill #1408926, ALCO-Maxon Site - Parcel B
BCP Site No. C447043
301 Nott Street, Schenectady, NY 12306
Schenectady County

Dear Mr. Barber:

With receipt of the waste manifests on 2/20/15 for the material removed in the remediation of Spill 1408926 (reported 12/03/14), the New York State Department of Environmental Conservation (NYSDEC) Region 4 office has closed this spill. A copy of the NYSDEC Spill Report is enclosed.

Please contact me at (518) 357-2390, if you have any questions.

Sincerely,

John R Strang

John R. Strang, P.E.
Environmental Engineer 2
Division of Environmental Remediation
Region 4

Enclosure

ec: D. Buicko, Maxon ALCO Holdings, LLC
S. Porter, Galesi
S. Luciano, Galesi
J. Deming, NYSDOH
A. DeMarco, NYSDOH
R. Ostrov, NYSDEC
J. Quinn, NYSDEC

NYSDEC SPILL REPORT FORM

DEC REGION: 4 **SPILL NUMBER:** 1408926

SPILL NAME: CONSTRUCTION SITE **DEC LEAD:** JRSTRANG

CALLER NAME: JAMIE KENT **NOTIFIER'S NAME:** JAMIE KENT

CLR'S AGENCY: RISENBURG CONSTRUCTION **NOTIFIER'S AGENCY:** MAXON HOLDINGS LLC

CALLER'S PHONE: (315) 926-5327 **NOTIFIER'S PHONE:** (315) 926-5327

SPILL DATE: 12/03/2014 **SPILL TIME:** 10:00 am **DISPATCHER:**

CALL RECEIVED DATE: 12/03/2014 **RECEIVED TIME:** 10:16 am JMCOYNE

SPILL LOCATION

PLACE: CONSTRUCTION SITE **COUNTY:** Schenectady

STREET: 301 NOTT STREET **TOWN/CITY:** Schenectady (c)

COMMUNITY: SCHENECTADY

CONTACT: JAMIE KENT **CONTACT PHONE:** (315) 926-5327

CONT. FACTOR: Unknown **SPILL REPORTED BY:** Other

FACILITY TYPE: Unknown **WATERBODY:**

CALLER REMARKS:

caller reporting historical spill at location. unknown ammount spilled, unknown contact for Maxon. 3 tanks will be removed tank number #001. clean up is on going

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
UNKNOWN PETROLEUM	Petroleum			Soil,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
MAXON HOLDINGS	301 NOTT STREET SCHENECTADY NY	JAMIE KENT (315) 926-5327

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

12/03/14 Upon removal of two underground storage tanks,(PBS Number 4-601508 tanks 001 and 002), found to be filled with flowable fill, soil stained with petroleum contamination was uncovered. Spill called in by site contractor, Rifenburg. (Strang)

12/04/14 Impacted soils (evidenced by staining, odors and elevated PID readings were removed and properly stockpiled. Approximately 300 tons of soil was removed. Absorbent pads were used to collect the non-aqueous phase liquid (NAPL) noted on the surface of the water within the excavation. Approximately 565 gallons of water was also removed and later discharged to sanitary sewer in accordance with the Site's City of Schenectady Discharge Permit. Confirmation soil sampling of the side walls (grab sample) and floor of the excavation (composite sample) was done. Soil removal from this Spill is complete. Excavation filled in with DEC approval. (Strang)

Closure report, dated 01/13/15,(minus receipt of waste manifests) was received, accepted and filed on 02/12/15. (Strang)

Received waste manifests on 02/20/15. Soil was taken to Town of Colonie LF.

NYSDEC SPILL REPORT FORM

DEC REGION: 4 **SPILL NUMBER:** 1408926

SPILL NAME: CONSTRUCTION SITE **DEC LEAD:** JRSTRANG

Spill closed on 03/31/15. (Strang)

PIN **T & A** **COST CENTER**

CLASS: C3 **CLOSE DATE:** 03/31/2015 **MEETS STANDARDS:** True

NYSDEC SPILL REPORT FORM

DEC REGION: 4 **SPILL NUMBER:** 1408926

SPILL NAME: CONSTRUCTION SITE **DEC LEAD:** JRSTRANG

CALLER NAME: JAMIE KENT **NOTIFIER'S NAME:** JAMIE KENT

CLR'S AGENCY: RISENBURG CONSTRUCTION **NOTIFIER'S AGENCY:** MAXON HOLDINGS LLC

CALLER'S PHONE: (315) 926-5327 **NOTIFIER'S PHONE:** (315) 926-5327

SPILL DATE: 12/03/2014 **SPILL TIME:** 10:00 am **DISPATCHER:**

CALL RECEIVED DATE: 12/03/2014 **RECEIVED TIME:** 10:16 am JMCOYNE

SPILL LOCATION

PLACE: CONSTRUCTION SITE **COUNTY:** Schenectady

STREET: 301 NOTT STREET **TOWN/CITY:** Schenectady (c)

COMMUNITY: SCHENECTADY

CONTACT: JAMIE KENT **CONTACT PHONE:** (315) 926-5327

CONT. FACTOR: Unknown **SPILL REPORTED BY:** Other

FACILITY TYPE: Unknown **WATERBODY:**

CALLER REMARKS:

caller reporting historical spill at location. unknown ammount spilled, unknown contact for Maxon. 3 tanks will be removed tank number #001. clean up is on going

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
UNKNOWN PETROLEUM	Petroleum			Soil,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
MAXON HOLDINGS	301 NOTT STREET SCHENECTADY NY	JAMIE KENT (315) 926-5327

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

12/03/14 Upon removal of two underground storage tanks,(PBS Number 4-601508 tanks 001 and 002), found to be filled with flowable fill, soil stained with petroleum contamination was uncovered. Spill called in by site contractor, Rifenburg. (Strang)

12/04/14 Impacted soils (evidenced by staining, odors and elevated PID readings were removed and properly stockpiled. Approximately 300 tons of soil was removed. Absorbent pads were used to collect the non-aqueous phase liquid (NAPL) noted on the surface of the water within the excavation. Approximately 565 gallons of water was also removed and later discharged to sanitary sewer in accordance with the Site's City of Schenectady Discharge Permit. Confirmation soil sampling of the side walls (grab sample) and floor of the excavation (composite sample) was done. Soil removal from this Spill is complete. Excavation filled in with DEC approval. (Strang)

Closure report, dated 01/13/15,(minus receipt of waste manifests) was received, accepted and filed on 02/12/15. (Strang)

Received waste manifests on 02/20/15. Soil was taken to Town of Colonie LF.

NYSDEC SPILL REPORT FORM

DEC REGION: 4 **SPILL NUMBER:** 1408926

SPILL NAME: CONSTRUCTION SITE **DEC LEAD:** JRSTRANG

Spill closed on 03/31/15. (Strang)

PIN **T & A** **COST CENTER**

CLASS: C3 **CLOSE DATE:** 03/31/2015 **MEETS STANDARDS:** True

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Office of Environmental Quality, Region 4
1130 North Westcott Road, Schenectady, NY 12306-2014
P: (518) 357-2045 | F: (518) 357-2398
www.dec.ny.gov

September 1, 2016

Mr. Andrew Barber
Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany, NY 12205

Re: Spill #1500252, ALCO-Maxon Site - Parcel B
BCP Site C447043
301 Nott Street, Schenectady, NY 12306
Schenectady County

Dear Mr. Barber:

With receipt of the waste manifests (dated 5/29/15 and received 8/31/16) for the material removed in the remediation of Spill 1500252, the New York State Department of Environmental Conservation (NYSDEC) Region 4 office has closed this spill on 8/31/16. A copy of the NYSDEC Spill Report is enclosed.

Please contact me at (518) 357-2390, if you have any questions.

Sincerely,

John R Strang

John R. Strang, P.E.
Environmental Engineer 2
Division of Environmental Remediation
Region 4

Enclosure
ec: D. Buicko, Maxon ALCO Holdings, LLC
T. Owens, Galesi
S. Luciano, Galesi
J. Deming, NYSDOH
A. DeMarco, NYSDOH
R. Ostrov, NYSDEC
K. Goertz, NYSDEC
R. Leone, NYSDEC

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NYSDEC SPILL REPORT FORM

DEC REGION: 4 **SPILL NUMBER:** 1500252

SPILL NAME: MAXON ALCO BROWNFIELD NOTT ST IND **DEC LEAD:** JRSTRANG

CALLER NAME: JAMIE KENT **NOTIFIER'S NAME:** JAMIE KENT

CLR'S AGENCY: RIFENBURG **NOTIFIER'S AGENCY:** RIFENBURG

CALLER'S PHONE: (315) 296-5327 **NOTIFIER'S PHONE:** (315) 296-5327

SPILL DATE: 04/09/2015 **SPILL TIME:** 7:30 am **DISPATCHER:**

CALL RECEIVED DATE: 04/09/2015 **RECEIVED TIME:** 8:42 am BMDAGG

SPILL LOCATION

PLACE: MAXON ALCO BROWNFIELD NOTT ST IND F **COUNTY:** Schenectady

STREET: 301 NOTT ST **TOWN/CITY:** Schenectady (c)

ALCO TEST PIT EXCAVATION 301 NOTT ST **COMMUNITY:** SCHENECTADY

CONTACT: JAMIE KENT **CONTACT PHONE:** (315) 296-5327

CONT. FACTOR: Other **SPILL REPORTED BY:** Other

FACILITY TYPE: Commercial/Industrial **WATERBODY:**

CALLER REMARKS:

Caller advised found historical spill at the property while doing reclamation. Clean up is pending.

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
unknown petroleum	Petroleum			Soil,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
MAXON HOLDINGS ALCO NOTT ST IND PK	NY	

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

4/08/2015 Test pit excavation by Rifenburg for Whitestone Associates (for geophysical information) located in ALCO-Maxon Site - Parcel B. Material removed at groundwater level had some of the diesel contaminated soil characteristics but no oil sheen on the water. Kept excavation open over night. (Strang)

4/09/15 Oil appeared on water surface - pads became saturated. Spill called in by Rifenburg.
Adjacent test pit that was excavated also had oil sheen on water. Both pits will be remediated under this spill number. Allowed both pits to be covered and protected while Rifenburg has crusher completes brick crushing. Soil with diesel contamination was stockpiled in contructed containment area and not put back into closed up excavations. (Strang)

4/16/15 Both excavations reopened. Soil removed and added to stockpile. Pads placed in both open holes. Re-visit spill site next day.

4/17/15 Pads removed. Groundwater in first excavation was clear of oil. Frak tank delivered to site (9:40) and groundwater

NYSDEC SPILL REPORT FORM

DEC REGION: 4 **SPILL NUMBER:** 1500252

SPILL NAME: MAXON ALCO BROWNFIELD NOTT ST IND **DEC LEAD:** JRSTRANG

pumped from both holes to the frak tenk. Gave okay to fill first hole. Once second hole had groundwater pumped out, B&L took confirmatory side wall and bottom (composite) samples of soil for analytical. Second hole backfilled. (Strang)

CLosure of spill required soil data and diposal manifests. (Strang) 4-24-15

5/15/15 Spill report with confirmatory soil results received and accepted.

8/31/16 Soil receipts (dated 5/29/15) received. Spill closed on 8-31-16. (Strang)

PIN **T & A** **COST CENTER**

CLASS: C3 **CLOSE DATE:** 08/31/2016 **MEETS STANDARDS:** False

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Office of Environmental Quality, Region 4
1130 North Westcott Road, Schenectady, NY 12306-2014
P: (518) 357-2045 | F: (518) 357-2398
www.dec.ny.gov

December 14, 2016

Mr. Andrew Barber
Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany, NY 12205

Re: Spill #1504824, ALCO-Maxon Site - Parcel B
BCP Site C447043
301 Nott Street, Schenectady, NY 12306
Schenectady County

Dear Mr. Barber:

With receipt of the waste manifests (dated 9/22/15) for the material removed from Underground storage tanks 8 and 9 in the remediation of Spill 1504824, the New York State Department of Environmental Conservation (NYSDEC) Region 4 office has closed this spill as of 2/26/16.

Please contact me at (518) 357-2390, if you have any questions.

Sincerely,

John R. Strang, P.E.
Environmental Engineer 2
Division of Environmental Remediation
Region 4

ec: D. Buicko, Maxon ALCO Holdings, LLC
T. Owens, Galesi
S. Luciano, Galesi
J. Deming, NYSDOH
R. Ostrov, NYSDEC
R. Mustico, NYSDEC

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Office of Environmental Quality, Region 4
1130 North Westcott Road, Schenectady, NY 12306-2014
P: (518) 357-2045 | F: (518) 357-2398
www.dec.ny.gov

December 15, 2016

Mr. Andrew Barber
Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany, NY 12205

Re: Spill #1505689 (08/27/2015)
ALCO-Maxon Site - Parcel A, BCP Site C447042
ALCO-Maxon Site – Parcel B, BCP Site C447043
301 Nott Street, Schenectady, NY 12306
Schenectady County

Dear Mr. Barber:

The impacted material encountered during the excavation of soil for the Mohawk Harbor was reported as spill 1505689 on 8/27/2015. The spill was closed administratively on 10/15/2015 as the handling and disposal of the material will be completed under the requirements of the revised Excavation Work Plan, approved by the New York State Department of Environmental Conservation in October 2015.

Please contact me at (518) 357-2390, if you have any questions.

Sincerely,

John R. Strang, P.E.
Environmental Engineer 2
Division of Environmental Remediation
Region 4

ec: D. Buicko, Maxon ALCO Holdings, LLC
T. Owens, Galesi
S. Luciano, Galesi
J. Deming, NYSDOH
R. Ostrov, NYSDEC
R. Mustico, NYSDEC

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Office of Environmental Quality, Region 4
1130 North Westcott Road, Schenectady, NY 12306-2014
P: (518) 357-2045 | F: (518) 357-2398
www.dec.ny.gov

December 5, 2016

Mr. Andrew Barber
Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany, NY 12205

Re: Spill #1605725, ALCO-Maxon Site - Parcel B
BCP Site C447043
301 Nott Street, Schenectady, NY, Schenectady County

Dear Mr. Barber:

The New York State Department of Environmental Conservation (Department) approves the in-situ injection work stated in the enclosed Parcel B Spill 1605725 Work Plan (09/22/16) now that the Department has received the UIC Injection notification (11/29/16) sent to the United States Environmental Protection Agency. The injection work may now commence.

The Department has closed Spill 1605725 and will track the monitoring work under Spill 1501720 (05/15/15) active at this location.

Please contact me at (518) 357-2390, if you have any questions.

Sincerely,

John R. Strang, P.E.
Environmental Engineer 2
Division of Environmental Remediation
Region 4

Enclosure

ec: D. Buicko, Maxon ALCO Holdings, LLC
T. Owens, Galesi
S. Luciano, Galesi
J. Deming, NYSDOH
R. Ostrov, NYSDEC
R. Mustico, NYSDEC

Former ALCO-Maxon Site – Parcel B
Brownfield Cleanup Project

City of Schenectady
Schenectady County, New York

Parcel B
Spill 1605725
Work Plan
(WP)

New York State
Brownfield Cleanup Program
Site No. C447043

September 2016

Barton & Loguidice

Former ALCO-Maxon Site – Parcel B
Brownfield Cleanup Project
City of Schenectady

Spill 1605725 Work Plan
Site No. C447043

September 2016

Prepared For:

Maxon ALCO Holdings, LLC
540 Broadway
Albany, New York 12207

Prepared By:

Barton & Loguidice, Inc.
10 Airline Drive, Suite 200
Albany, New York 12205

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Section Page

Figures

Appendices

1.0 Introduction

Maxon ALCO Holdings, LLC (MAH) entered into Brownfield Cleanup Agreements (BCA) through the New York State Department of Environmental Conservation's (NYSDEC) Brownfield Cleanup Program (BCP) for the property located at 301 Nott Street in Schenectady, New York, identified as the ALCO Site (Property or Site) and historically known as the Nott Street Industrial Park (Park). In 2010, after purchasing the property, the Volunteer (Maxon-ALCO Holdings) divided the Property into three parcels: Parcel A, Parcel B and Parcel C (Site Nos. C447042, C447043, and C447044, see Figure 1) and each Parcel was deemed eligible for the BCP and subject to separate BCAs. In November of 2013, MAH proposed the reconfiguration of Parcels B and C to NYSDEC to more efficiently proceed with potential Interim Remedial Measures and redevelopment planning; the proposed reconfiguration was approved by NYSDEC by letter dated December 23, 2013.

The purpose of the BCP is to encourage voluntary remediation of brownfield sites for reuse and development. This Spill 1605725 Work Plan is preceded by Remedial Investigation (RI) and Supplemental Remedial Investigation (SRI) Reports, which characterized impacts at the site resulting from historical industrial usage, a Remedial Work Plan (RWP) and Alternatives Analysis Report (AAR), which evaluated and recommended remedial alternatives for the site, and an Excavation Work Plan (EXC-WP) which provided the procedures to be followed when remedial and/or development activities require excavation into the existing site soils (prior to placement of cover soils). These reports have been reviewed and approved by NYSDEC in accordance with the BCA and the applicable portions of 6 NYCRR Part 375.

On September 9, 2016 B&L personnel observed a sheen seeping from a drain in the sheet piling along the east side of Mohawk Harbor adjacent to the apartment building in Parcel B. Spill 1501720, located in the vicinity of Spill 1605725, had been previously excavated and screened with a photoionization detector (PID). Based on field observations and field screening, including minimal PID readings, soil was not removed from the excavation. Fluids encountered during the Spill 1501720 excavation were containerized in a Frac Tank and discharged to the City of Schenectady Sanitary Sewer.

The presence of the sheen indicates that a potential source from historic material may remain in the vicinity adjacent onshore area to Spill 1605725. Discussions with NYSDEC have led to the opinion that further investigation of the onshore area adjacent to the seep is warranted. Investigation is needed to determine whether a source area exists in the vicinity of Spill 1605725; if a contaminant source area is present, alternatives for addressing the source area will be developed and evaluated in a separate work plan. The subsurface investigation is summarized in the following work plan.

1.1 Purpose of Report

The purpose of this work plan is to determine whether a source area exists in the vicinity of Spill 1605725, and if it exists to characterize the lateral extent and depth of the area.

1.1.1 Report Organization

This report is organized into three sections (including this introduction section), with appropriate subsections within each division. Figures are located following the text, prior to the appendix in the back of the document.

2.0 Prior Remedial Activities

This section discusses the prior remedial activities for the spill area to be addressed. The area is shown on the Site Location Map (Figure 1).

2.1 Parcel B – Spill 1605725

On September 9, 2016 B&L personnel observed a sheen seeping from a drain in the sheet piling along the east side of Mohawk Harbor adjacent to the apartment building in Parcel B. Spill 1501720, located in the vicinity of Spill 1605725, was called in on May 15, 2015. Spill 1501720 had been previously excavated and screened with a photoionization detector (PID). Based on field observations and field screening, including minimal PID readings, soil was not removed from the excavation. Fluids encountered during the Spill 1501720 excavation were containerized in a Frac Tank and discharged to the City of Schenectady Sanitary Sewer.

3.0 Scope of Work

This work plan has been prepared following discussions with NYSDEC regarding the need to determine whether a source area still exists in the vicinity of Spill 1605725. If a contaminant source area exists, alternatives for addressing the source area will be developed and evaluated a separate work plan.

A Health & Safety Plan (HASP) for Barton & Loguidice, Inc., personnel is provided in Appendix A of this WP. The HASP was developed in accordance with 29 CFR 1910.120. Other companies (contractors) who will be working on this WP can adopt the B&L HASP or provide their own HASP; in either case, safety for personnel of companies other than B&L is the responsibility of that company, pursuant to OSHA regulations.

3.1 Parcel B - Spill 1605725

The presence of the residual sheen indicates that a potential source material may remain in the vicinity of the adjacent onshore area to Spill 1605725. Discussions with NYSDEC have led to the opinion that further investigation of the onshore area adjacent to the seep is warranted.

3.1.1 Soil Borings

A series of borings will be advanced in the area shown on Figure 1 to determine whether an area of impacted soils exists onshore adjacent to Spill 1605725 and if it exists to characterize the lateral extent and depth of the area.

The field work anticipates 5 borings. The total number, locations, and spacing of borings will be determined by the findings in the field, in consultation with NYSDEC. Borings will be initially advanced to a depth of roughly 15 feet below grade; boring depths will be adjusted dependent upon the findings in the field.

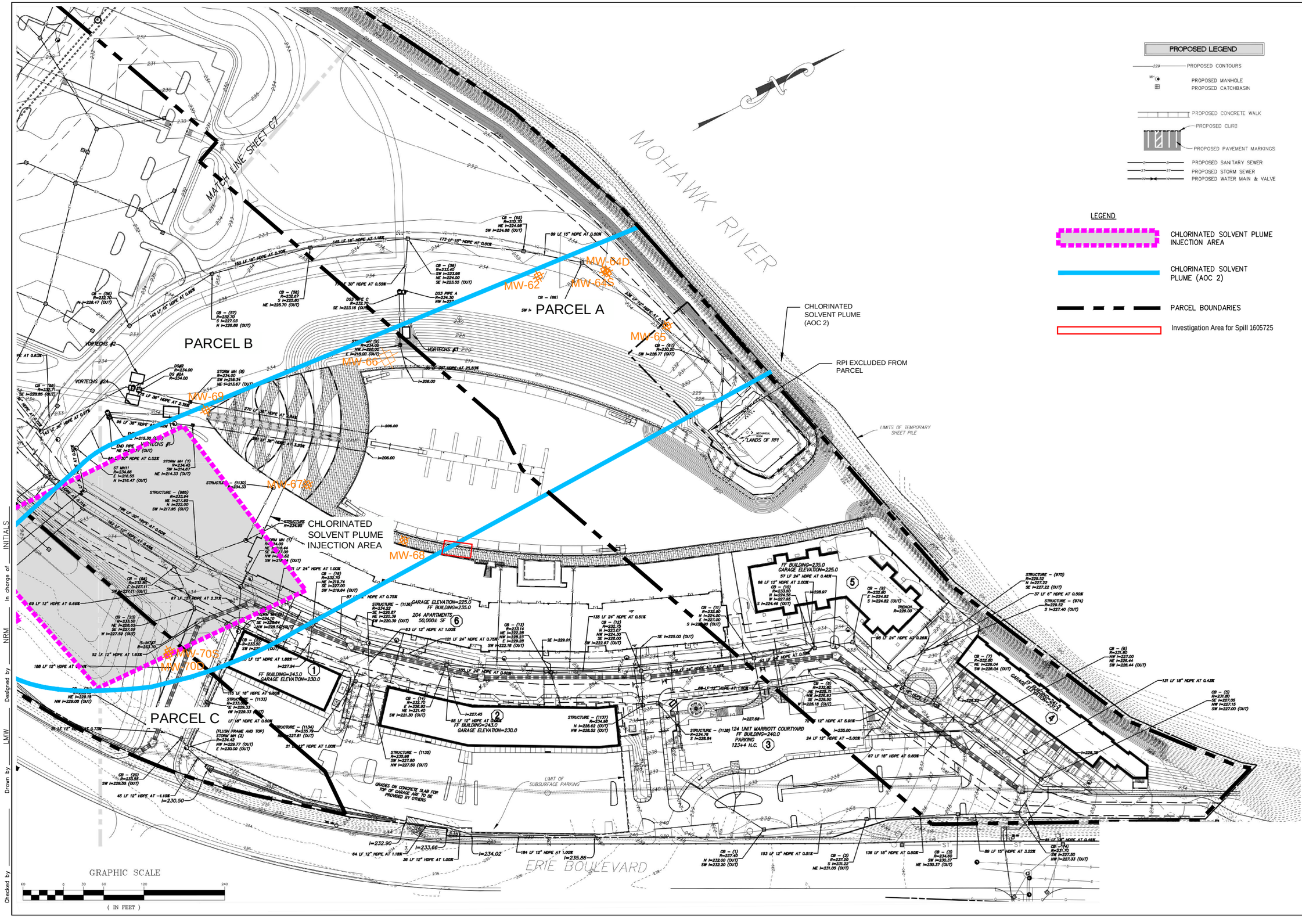
Soil samples will be collected at the boring locations using a MacroCore sampler for visual inspection and field PID screening; if needed, soil samples may be collected and submitted to a laboratory for analysis for VOCs by USEPA Method 8260B.

3.2 Reporting

A report will be prepared to provide the findings of the work described in this work plan. The report will contain supporting figures and tables, with laboratory data reports and boring logs provided in appendices. The report will discuss whether a contaminant source is still present in the vicinity of Spill 1605725 and if so, will provide its approximate dimensions and recommendations for remediation.

Figure 1

Site Location Map Showing Spill 1605725 Area



COMPLETED CONSTRUCTION

Significant Construction Changes Are Shown

By _____ Date _____

Ck'd _____ Date _____

REVISIONS

GALESI GROUP

MAXON ALCO HOLDINGS, LLC

Parcel B Spill 1605725 Area

SCHENECTADY COUNTY, NEW YORK

CITY OF SCHENECTADY

Barton & Loguidice, DPC.

Date
JANUARY 2016

Scale
1"=60'

Sheet Number
1

File Number
1338.008.001

Plotted: Apr 15, 2016 - 11:22AM STM Byr kps
C:\Users\kps\appdata\local\temp\AcPublish_7020\BL_1338.008.001 - Site Plan - Fig 1 & 2_R.M2 edits (ID 977525).dwg
Drawn by LMW Designed by NRM In charge of INITIALS
Checked by

Appendix A

Health and Safety Plan

Former ALCO Site
Brownfield Cleanup Project

City of Schenectady
Schenectady County, New York

Health and Safety Plan (HASP)

New York State
Brownfield Cleanup Program
Site Nos. C447042, C447043, and C447044

December 2013

Barton & Loguidice

Former ALCO Site
Brownfield Cleanup Project

City of Schenectady

Health and Safety Plan
Site Nos. C447042, C447043, and C447044

December 2013

Prepared For:

Maxon ALCO Holdings, LLC
540 Broadway
Albany, New York 12207

Prepared By:

Barton & Loguidice, P.C.
Engineers • Environmental Scientists • Planners • Landscape Architects
10 Airline Drive, Suite 200
Albany, New York 12205

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Tables

Attachments

1.0 General Information

1.1 Introduction

This Health and Safety Plan (HASP) was prepared by Barton & Loguidice, Inc. (B&L) for future excavation work at the former ALCO site where the existing soils will be penetrated. The existing soils contain residual impacts from historic activities at the site. The impacts were characterized by the Remedial Investigation and Supplemental Remedial Investigation that were conducted at the site. A summary of the impacts is provided in this HASP

Please note that this site falls within the definition of a hazardous waste sites for the purposes of 29 CFR 1910.120, *Hazardous Waste Operations and Emergency Response*. Plan. This was prepared in accordance with 29 CFR 1910.120. This plan was prepared, and will be implemented, by a qualified person as defined under 29 CFR 1910.120; this is also in accordance with NYSDEC DER-10, *Technical Guidance for Site Investigation and Remediation.*

The purpose of this Health and Safety Plan for the Steel Treaters contaminant source removal IRM is to provide specific guidelines and establish procedures for the protection of personnel during the field investigation and site remediation activities. The Plan is based on the site information available at this time and anticipated conditions to be encountered during the different phases of work. This Plan is subject to modification as data are collected and evaluated.

All personnel conducting activities on-site must comply with all applicable Federal and State rules and regulations regarding safe work practices. Personnel conducting field activities must also be familiar with the procedures, requirements and provisions of this Plan. In the event of conflicting Plans and requirements, personnel must implement those safety practices that afford the highest level of protection.

This HASP is not intended to be used by any subcontractors, but it may be used as the basis for contractors to prepare their own plans. This HASP may not address the specific health and safety needs or requirements of subcontractors and should be viewed as the minimum requirement.

2.0 Project Information

2.1 Comprehensive Work Plan

This HASP is appended to the Site Remedial Work Plan (RWP) prepared by Barton & Loguidice, Inc., which describes the proposed remedial activities for the site.

2.2 Scope of Work

Remedial and/or development activities at the site may entail excavation into the existing in-place soils at the site.

2.3 Organization Structure

Barton & Loguidice, P.C.:
Program Manager – Scott Nostrand, P.E.

Site Manager – Andy Barber
Maxon ALCO Holdings, LLC (MAH):

Project Contact – Steve Luciano

The Site Manager is responsible for the day-to-day activities of the project and for coordinating between office and field personnel. The Site Manager will oversee the remedial activities. The Barton & Loguidice on-site field personnel will serve as the Site Safety and Health Coordinator (SSHC). The SSHC will establish operating standards and coordinate overall project safety and health activities for the site. The SSHC will review project plans and revisions to determine that safety and health procedures are maintained throughout the project. Specifically the responsibilities of the SSHC include:

a. Aiding the selection of protective clothing and equipment.

b. Periodically inspecting protective clothing and equipment.

c. Maintaining proper storage of protective clothing and equipment.

d. Monitoring the workers for signs of heat stress, cold stress, and fatigue.

e. Monitoring on-site hazards and conditions.

f. Conducting periodic surveillance to evaluate effectiveness of the Site-specific Health and Safety Plan.

g. Having knowledge of emergency procedures, evacuation routes, and the telephone numbers of the ambulance, local hospital, poison control center, fire department, and police department.

h. Providing handouts to all on-site personnel that contain directions to the hospital and the telephone numbers of the ambulance, local hospital, poison control center, fire department, and police department.

i. Notifying, when necessary, local public emergency officials.

j. Coordinating emergency medical care.

The Site Manager will be responsible for ensuring that the field personnel are familiar with the contents of this plan and the roles of the SSHC.

3.0 Health and Safety Risk Analysis

Table B-1 breaks down the hazard types that may be encountered for the site activities.

Table B-1
Site Investigation Activity Hazard Evaluation

Activity	Hazard Type					
	Mechanical	**Electrical**	**Chemical**	**Physical**	**Biological**	**Temperature**
Excavation of Impacted Soils	Accidental injury from excavation equipment. Accidental injury from contact with excavated materials.	Overhead power lines.	Accidental inhalation, ingestions, skin absorption or eye contact with contaminants. Inhalation of equipment exhaust gases.	Collapse of excavation structure. Puncture from buried objects/nails. Excessive noise. Fall hazards. Falling objects.	Rodents, Bees and wasps.	Heat stress and frost bite.

3.1 Chemical Hazards

Site soils have been impacted by historic industrial operations at the site. These impacts are largely related to the use of petroleum products and coal at the site. The contaminants that have been detected at the site are listed in Table B-2 and their properties are listed in Table B-3 (below).

Table B-2 – Contaminants Detected in Soil

Contaminants Detected in Surface Soils

	Part 375 Residential	Part 375 Restricted Residential	Part 375 Commercial	SS-A1	SS-A2	SS-A3	SS-A5	SS-A6	SS-A8	SS-A9
Parcel A										
2-Methylnaphthalene	*410*	*NS*	*NS*	57 J	**410 J**	130 J	**700 J**	3,500 U	**890 J**	**11,000 J**
Benzo(a)Anthracene	*1,000*	*1,000*	*5,600*	**1,300**	**6,000**	**5,500**	**4,500**	**1,800 J**	**24,000**	**160,000**
Benzo(a)Pyrene	*1,000*	*1,000*	*1,000*	**1,700**	**6,700**	**6,800**	**4,200**	**2,100 J**	**21,000**	**140,000**
Benzo(b)Fluoranthene	*1,000*	*1,000*	*5,600*	**3,100**	**12,000**	**14,000**	**6,700**	**4,400**	**25,000**	**170,000**
Benzo(G,H,I)Perylene	*100,000*	*100,000*	*500,000*	600 J	2,300	3,100	1,300	1,500 J	14,000	**98,000**
Benzo(k)Fluoranthene	*1,000*	*3,900*	*56,000*	**1,400**	**4,000**	**5,100**	**3,000**	**2,100 J**	**11,000**	**71,000**
Chrysene	*1,000*	*3,900*	*56,000*	**1,700**	**6,600**	**6,700**	**4,400**	**2,600 J**	**23,000**	**150,000**
Dibenzo(A,H)Anthracene	*330*	*330*	*560*	210 J	**820 J**	**880 J**	**370 J**	3,500 U	4,900 U	9,800 U
Dibenzofuran	*14,000*	*59,000*	*350,000*	31 J	710 J	260 J	1,100	3,500 U	2,300 J	**22,000**
Fluoranthene	*100,000*	*100,000*	*500,000*	1,800	11,000	8,700	9,900	2,700 J	44,000	**330,000**
Indeno(1,2,3-Cd)Pyrene	*500*	*500*	*5,600*	**570 J**	**2,200**	**2,800**	**1,200**	**1,400 J**	**11,000**	**84,000**
Phenanthrene	*100,000*	*100,000*	*500,000*	600 J	9,100	4,600	9,300	1,300 J	35,000	**290,000**
Pyrene	*100,000*	*100,000*	*500,000*	1,700	8,800	7,100	7,400	2,200 J	40,000	**310,000**

All units are in µg/Kg
Values shown in BOLD exceed the 6 NYCRR Part 375 Residential Soil Cleanup Objective
Values that are highlighted exceeds the 6 NYCRR Part 375 Commercial Soil Cleanup Objective
U = The compound was not detected at the indicated concentration.
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL.

Table B-2 – Contaminants Detected in Soil – Continued
Contaminants Detected in Surface Soils

	Part 375 Residential	Part 375 Restricted Residential	Part 375 Commercial	SS-B3	SS-B4	SS-B5	SS-B6	SS-B8
Parcel B								
2-Methylnaphthalene	*410*	*NS*	*NS*	18,000 U	**620 J**	27 J	12 J	3,900 U
Benzo(a)Anthracene	*1,000*	*1,000*	*5,600*	**960 J**	**13,000**	850	**1,400**	**2,900 J**
Benzo(a)Pyrene	*1,000*	*1,000*	*1,000*	**1,000 J**	**15,000**	**1,100**	**1,500**	**4,100**
Benzo(b)Fluoranthene	*1,000*	*1,000*	*5,600*	18,000 U	**20,000**	**1,300**	**3,900**	**5,000**
Benzo(k)Fluoranthene	*1,000*	*1,000*	*56,000*	18,000 U	**6,800**	480	**1,500**	**2,800 J**
Chrysene	*1,000*	*1,000*	*56,000*	**1,000 J**	**13,000**	890	**2,100**	**3,300 J**
Indeno(1,2,3-Cd)Pyrene	*500*	*500*	*5,600*	18,000 U	**7,700**	**550**	**1,600**	**2,100 J**

All units are in µg/Kg
Values shown in BOLD exceed the 6 NYCRR Part 375 Residential Soil Cleanup Objective
Values that are highlighted exceeds the 6 NYCRR Part 375 Commercial Soil Cleanup Objective
U = The compound was not detected at the indicated concentration.
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL.

Table B-2 – Contaminants Detected in Soil – Continued

Contaminants Detected in Surface Soils

	Part 375 Residential	Part 375 Restricted Residential	Part 375 Commercial	SS-C1	SS-C2	SS-C4	SS-C6	SS-C9
Parcel C								
2-Methylnaphthalene	*410*	*NS*	*NS*	6,900 U	7,000 U	**440 J**	65 J	2,000 U
Benzo(a)Anthracene	*1,000*	*1,000*	*5,600*	**1,500 J**	**4,600 J**	**49,000**	**3,900**	**1,500 J**
Benzo(a)Pyrene	*1,000*	*1,000*	*1,000*	**1,700 J**	**6,400 J**	**43,000**	**3,700**	**1,600 J**
Benzo(b)Fluoranthene	*1,000*	*1,000*	*5,600*	**2,000 J**	**9,600 J**	**50,000**	**4,500**	**2,000**
Benzo(k)Fluoranthene	*1,000*	*1,000*	*56,000*	**2,100 J**	**3,500 J**	**29,000**	**1,700 J**	**1,100 J**
Chrysene	*1,000*	*1,000*	*56,000*	**1,500 J**	**4,900 J**	**46,000**	**3,900**	**1,600 J**
Dibenzo(A,H)Anthracene	*330*	*330*	*560*	6,900 U	7,000 U	9,500 U	**680 J**	2,000 U
Indeno(1,2,3-Cd)Pyrene	*500*	*500*	*5,600*	**880 J**	**3,600 J**	**22,000**	**2,100**	**800 J**

All units are in μg/Kg
Values shown in BOLD exceed the 6 NYCRR Part 375 Residential Soil Cleanup Objective
Values that are highlighted exceeds the 6 NYCRR Part 375 Commercial Soil Cleanup Objective
U = The compound was not detected at the indicated concentration.
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL.

Table B-2 – Contaminants Detected in Soil – Continued

Contaminants Detected in Surface Soils

	Arsenic	Copper	Lead
Part 375 Residential	*16*	*270*	*400*
Part 375 Restricted Residential	*16*	*270*	*400*
Part 375 Commercial	*16*	*270*	*1,000*
Sample Location			
SS-A2	**18.8**	**723 J**	**1530**
SS-A3 / DUP-03	**32.1 / 19.6 J**	92.3 J/ 317 J	**897** / 298
SS-A9	**15.6 J**	67.3	95
SS-B3	**79.7 J**	15.7	16.4
SS-C7	**24.5**	37.9	8.8

J = Indicates an estimated value detected below the reporting limit.
Values shown in BOLD exceed the 6 NYCRR Part 375 Residential Soil Cleanup Objective
Values that are highlighted exceeds the 6 NYCRR Part 375 Commercial Soil Cleanup Objective
All units are in mg/Kg

Table B-2 – Contaminants Detected in Soil – Continued

Contaminants Detected in Subsurface Soils

	Part 375 Residential	**Part 375 Restricted Residential**	**Part 375 Commercial**	SB-A1	SB-A2 / DUP-03	SB-A3
Parcel A						
2-Methylnaphthalene	*410*	*NS*	*NS*	**3,200 J**	48 J / 36 J	150 J
Benzo(a)Anthracene	*1,000*	*1,000*	*5,600*	**14,000**	**2,000 J / 1,300 J**	**1,800**
Benzo(a)Pyrene	*1,000*	*1,000*	*1,000*	**14,000**	**1,900 J / 1,300 J**	**1,600**
Benzo(b)Fluoranthene	*1,000*	*1,000*	*5,600*	**17,000**	**2,500 J / 1,400 J**	**1,800**
Chrysene	*1,000*	*1,000*	*56,000*	**15,000**	**2,000 J / 1,300 J**	**1,700**
Dibenzo(A,H)Anthracene	*330*	*330*	*560*	**2,800 J**	**370 J /** 220	280
Indeno(1,2,3-Cd)Pyrene	*500*	*500*	*5,600*	**8,400**	**1,100 J / 650 J**	**850**

All units are in µg/Kg .
Values shown in BOLD exceed the 6 NYCRR Part 375 Residential Soil Cleanup Objective
Values that are highlighted exceeds the 6 NYCRR Part 375 Commercial Soil Cleanup Objective
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL.

Table B-2 – Contaminants Detected in Soil – Continued

Contaminants Detected in Subsurface Soils

	Part 375 Residential	Part 375 Restricted Residential	Part 375 Commercial	SB-B2 /	DUP-02-SB	SB-B3
Parcel B						
2-Methylnaphthalene	*410*	*NS*	*NS*	**860 J /**	**890 J**	55 J
Benzo(a)Anthracene	*1,000*	*1,000*	*5,600*	**13,000 /**	**13,000**	**3,800**
Benzo(a)Pyrene	*1,000*	*1,000*	*1,000*	**13,000 /**	**13,000**	**3,900**
Benzo(b)Fluoranthene	*1,000*	*1,000*	*5,600*	**14,000 /**	**15,000**	**5,600**
Chrysene	*1,000*	*1,000*	*56,000*	**12,000 /**	**13,000**	**5,000**
Dibenzo(A,H)Anthracene	*330*	*330*	*560*	**2,400 /**	**2,200**	400 U
Indeno(1,2,3-Cd)Pyrene	*500*	*500*	*5,600*	**7,000 /**	**6,400**	**2,700**

All units are in μg/Kg .
Values shown in BOLD exceed the 6 NYCRR Part 375 Residential Soil Cleanup Objective
Values that are highlighted exceeds the 6 NYCRR Part 375 Commercial Soil Cleanup Objective
U = The compound was not detected at the indicated concentration.
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL.

Table B-2 – Contaminants Detected in Soil – Continued

Contaminants Detected in Subsurface Soils

	Part 375 Residential	Part 375 Restricted Residential	Part 375 Commercial	SB-C3
Parcel C				
Benzo(a)Anthracene	*1,000*	*1,000*	*5,600*	**1,200 J**
Benzo(a)Pyrene	*1,000*	*1,000*	*1,000*	**1,200 J**
Benzo(b)Fluoranthene	*1,000*	*1,000*	*5,600*	**1,300 J**
Chrysene	*1,000*	*1,000*	*56,000*	**1,200 J**
Indeno(1,2,3-Cd)Pyrene	*500*	*500*	*5,600*	**700 J**

All units are in μg/Kg .
Values shown in BOLD exceed the 6 NYCRR Part 375 Residential Soil Cleanup Objective
Values that are highlighted exceeds the 6 NYCRR Part 375 Commercial Soil Cleanup Objective
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL.

Table B-3 - Assessment of Detected Chemicals

Chemical Name (or class)	REL/PEL/TLV	Other Pertinent Limits (Specify)	Warning Properties – Odor Threshold	Potential Exposure Pathways	Acute Health Effects	Chronic Health Effects
#1 Fuel Oil (Kerosene)	100 mg/m3 (NIOSH)		Colorless to yellowish oily liquid with a strong characteristic odor	Inhalation, Ingestion, Contact	Eye, skin & respiratory irritation; dizziness, drowsiness, nausea, vomit, headache, abdominal pain	Eyes; skin; respiratory system; CNS
#2 Fuel Oil	5 mg/m3 (OSHA)		Colorless to yellowish oily liquid with a strong characteristic odor	Inhalation, Ingestion, Contact	Eye, skin & respiratory irritation; dizziness, drowsiness, nausea, vomit, headache, abdominal pain	Eyes; skin; respiratory system; CNS
#4 Fuel Oil	5 mg/m3 (OSHA)		Colorless to yellowish oily liquid with a strong characteristic odor	Inhalation, Ingestion, Contact	Eye, skin & respiratory irritation; dizziness, drowsiness, nausea, vomit, headache, abdominal pain	Eyes; skin; respiratory system; CNS
Polynuclear Aromatic Hydrocarbons (Coal components)	0.1 mg/m3 (NIOSH) 0.2 mg/m3 (OSHA)		Black, dark brown residue	Inhalation, Ingestion, Contact	Skin irritation	Respiratory system; skin, bladder; kidneys
Arsenic				Inhalation, Ingestion, Contact	Skin irritation	Eyes; skin; respiratory system; CNS; kidneys; GI tract; repro system
Copper	1 mg/m3 (OSHA, NIOSH)		Reddish metal	Inhalation, Ingestion, Contact	Eye irritation	Eyes; skin; respiratory system; liver; kidneys;
Lead	0.050 mg/m3 (OSHA, NIOSH)		Gray metal	Inhalation, Ingestion, Contact		Eyes; CNS; kidneys; GI tract; blood

PEL = OSHA Permissible Exposure Limit; represents the maximum allowable 8-hr. time weighted average (TWA) airborne exposure concentration.
TLV = ACGIH Threshold Limit Value; represents the maximum recommended 8-hr. TWA exposure concentration.
STEL = OSHA Short-term Exposure Limit; represents the maximum allowable 15 minute TWA exposure concentration.
TLV-STEL = ACGIH Short-term Exposure Limit; represents the maximum recommended 15 minute TWA exposure concentration.

3.2 Physical Hazards

Physical hazards associated with the site are:

1. *Slip, Trip, and Fall During All Activities (Uneven Terrain):* The site contains numerous potential safety hazards such as pits, broken glass, slippery surfaces and fire debris. The work itself may be a potential safety hazard. Site personnel should constantly look out for potential safety hazards and should immediately inform the SSHC of any new hazards.
2. *Excavation Debris:* Excavation projects pose potential safety hazards from materials falling from the excavator as they are removed from the working excavation. The excavation work is a potential safety hazard and the SSHC will provide oversight during demolition activities.
3. *Moving Parts of Heavy Equipment:* Heavy equipment poses dangers though moving parts. Where feasible, access to moving parts will be guarded and equipment will be equipped with backup alarms.
4. *Noise from Heavy Equipment:* Work around large equipment often creates excess noise. Engineering controls and personal protective equipment will be used to protect employees' hearing.
5. *Electrical Hazards:* As in all site work, overhead power lines, buried power lines, electrical wires and cables, site electrical equipment, and lightning also pose a potential hazard to site workers. Site personnel should constantly look out for potential safety hazards and should immediately inform the SSHC of any new hazards.
6. *Biological Hazards (Insects, Poison Ivy, etc.):* Other biological hazards that may be present at the site include rodents and insects. PPE can reduce the potential for exposure. The SSHC can assist in determining the correct PPE for the hazard present.

3.3 Heat and Cold Stress

Workers will be routinely observed by the SSHC for symptoms of heat stress or cold exposure, as dictated by the weather conditions and work being conducted. Heat stress and cold exposure can be avoided by periodic, regular rest breaks.

Heat stress may be a potential hazard for personnel wearing PPE, particularly working in hot and humid conditions. Workers should take regular rest breaks within a shaded area, removing their PPE, and drink electrolyte replacing liquids and/or water. The SSHC is responsible for scheduling the amount of time each individual can work under the existing site conditions, and how often and how long they will break. Workers will be required to take their breaks in the clean zone after going through the decontamination area , or they may undergo partial decontamination and rest in a clean area within the decontamination area. Please refer to Section 7.2 (Site Control) of this HASP for a detailed description of the above referenced clean zone and decontamination area.

3.4 Confined Space Entry

Excavations do pose a potential confined space entry area. When an excavation becomes a confined space entry area (greater than 4 feet deep), then permit-required confined space entry procedures will be followed should the excavation need to be entered. In addition, air monitoring for oxygen deficiency, LEL, and organic vapors will be performed should the excavation be greater than 4 feet deep. Attempts will be made to collect samples from the excavation without entering the excavation (i.e., from excavator bucket, sampling rods, etc.).

4.0 Medical Surveillance Program

4.1 General

OSHA in 29 CFR 1910.120, the Hazardous Waste Operations regulations and in 1910.134, the Respiratory Protection regulations, requires medical examinations. The examination may include the OSHA required Medical Questionnaire, Respirator Suitability Form, a Medical Examination, Audiology Test, Pulmonary Function Test, and testing for complete blood count and chemistry profile.

These medical examinations and procedures are performed by or under the supervision of a licensed physician. The medical monitoring is provided to workers free of cost, without loss of pay and at a reasonable time and place. In addition, the need to implement a more comprehensive medical surveillance program will be re-evaluated after an apparent over-exposure incident.

Employees who wear, or may wear, respiratory protection will be provided respirators as regulated by 29 CFR 1910.134 before performing designated duties. Prior to issuance of a respirator, a medical professional must have medically certified the individual's ability to wear respiratory protection. Where the medical requirements of 29 CFR 1910.120 overlap those of 29 CFR 1910.134, the more stringent of the two will be enforced. It is not anticipated the respirator use will be required at the site.

4.2 Frequency

1. *Baseline Examinations:* Individuals who are assigned temporarily or permanently to fieldwork at hazardous waste sites or the use of a respirator will receive a baseline examination prior to job assignment.

2. *Periodic Examinations:* Individuals who are assigned temporarily or permanently to fieldwork at hazardous waste sites or the use of a respirator will receive periodic examinations as required.

3. *Termination Examinations:* Field employees permanently leaving the company who were in the medical surveillance program will receive an exit examination.

4. *Possible Exposure Examinations:* As soon as possible upon notification by an employee that the employee has developed signs or symptoms indicating possible overexposure to hazardous substances or health hazards, or that an employee has been injured or exposed above the permissible exposure limits in an emergency situation, that employee will be required to receive medical attention.

4.3 Examination Results

A letter must be received from the attending physician stating the parameters of the examination and whether or not the individual is able to work with or without restriction. This letter will be filed in the employee's file and a copy distributed to the employee. The examining physician makes a report to B&L of any medical condition that would place B&L employees at increased risk when wearing a respirator of other personal protective equipment. B&L maintains the medical records of personnel, as regulated by 29 CFR 1910.120 and 29 CFR 1910.1020, where applicable.

5.0 Training Program

5.1 Hazardous Waste Operations Health and Safety Training

Employees who are assigned to perform duties on hazardous waste sites will receive the OSHA initial 40-hour health and safety training prior to on-site activities, in accordance with 29 CFR 1910.120 (e). In addition, such personnel provide documentation of having received three (3) days of supervised field experience applicable to this site, or receive three (3) days of supervised field experience at this site. Applicable employees will receive yearly 8-hour refresher courses. On-site managers and supervisors who are directly responsible for or who supervise workers engaged in hazardous waste operations receive, in addition to the appropriate level of worker HAZWOPER training described above, 8 (eight) additional hours of specialized supervisory training, in compliance with 29 CFR 1910.120(e)(4).

Because this site is meets the definition of a hazardous waste site, employees who work during field activities are required to have completed HAZWOPER initial and refresher training.

5.2 Additional Training

As site activities change, supplemental training will be provided to employees to address changes in identified hazards, risks, operations procedures, emergency response, site control, and personal protective equipment. Specialty training will be provided as determined by task and responsibility.

Site-specific training will be provided to each employee and will be reviewed at safety briefings. Specialized training will be provided as dictated by the nature of site activities. Specialized training will be provided for activities such as the handling of unidentified substances. Employees involved in these types of activities will be given off-site instruction regarding the potential hazards involved with such activities and the appropriate health and safety procedures to be followed. Off-site instruction is meant to include any areas where employees will not be exposed to site hazards.

5.3 Other Required Training

Other training that may be required by workers that is in addition to required training described above is detailed below:

- Hazard communication, in accordance with 29 CFR 1910.1200
- Respirator use, in accordance with 29 CFR 1910.134
- Hearing conservation, in accordance with 29 CFR 1910.95
- Working safely around heavy equipment
- Heat and cold stress prevention
- Confined space entry, in accordance with 289 CFR 1910.146

5.4 Pre-Entry Briefing

A site-specific briefing will be provided to all individuals, including site visitors, who enter this site beyond the site entry point. For visitors, the site-specific briefing provides information about site hazards, the site lay-out including work zones and places of refuge, the emergency alarm system and emergency evacuation procedures, and other pertinent safety and health requirements as appropriate.

The SSHC will brief personnel as to the potential hazards likely to be encountered. Topics will include:

- Availability of this HASP.
- General site hazards and specific hazards in the work areas, including those attributable to the chemicals present.
- Selection, use, testing and care of the body, eye, hand and foot protection being worn, with the limitations of each.
- Decontamination procedures for personnel, their personal protective equipment, and other equipment used on the site.
- Emergency response procedures and requirements.
- Emergency alarm systems and other forms of notification, and evacuation routes to be followed.
- Methods to obtain emergency assistance and medical attention.

5.5 Training Records

Written certification of the successful completion of applicable training requirements for each worker will be maintained on-site during the course of the investigation. Written certificates have been given to each person so certified. Additionally, an employee sign off sheet indicating that each worker has reviewed a copy of this HASP and understands its contents is stored at the same location.

6.0 Health and Safety Field Implementation

6.1 Personal Protective Equipment Requirements

The requirements for personal protective equipment (PPE) are outlined in Table B-4. Level D protection will initially be worn for excavation activities. Level C protection may be used, based upon a sustained (five (5) minutes or more) readings above five (5) parts per million (ppm) measured with the photoionization detector (PID). The emissions from gasoline or diesel-powered excavation equipment may affect PID readings. At the start of work (excavation equipment in operation, but prior to exposing contaminated soils), an ambient PID reading will be established. This ambient PID reading will be subtracted from subsequent readings to evaluate PPE usage.

Table B-4
Personal Protective Equipment (PPE) Requirements

Job Tasks	Level of Protection	PPE						
		Suit	Gloves	Feet	Head	Eye	Ear	Respirator
Down-grade	Modified D	Std.	Neoprene or Nitrile	Steel + Booties	HH	Glasses/ Goggles	Plugs/ Muffs	N/A
All on-site	C	PE Tyvek	Neoprene or Nitrile	Steel + Booties	HH	N/A	Plugs/ Muffs	Full APR w/OV& N100

Personal Protective Equipment

SUIT:
Std = Standard Work Clothes
PE Tyvek = Polyethylene-coated Tyvek

FEET:
Steel = Steel-toe Boots
Booties = PVC or Latex Booties

HEAD:
HH = Hard Hat

EYE:
Glasses = Safety Glasses w/side shields
Goggles = Safety Goggles

Personal Protective Equipment

EAR:
Plugs = Ear Plugs
Muffs = Ear Muffs

RESPIRATOR:
APR = Air-purifying respirator
Full APR = Full-face APR
OV = Organic vapor cartridge
N100 = N100 particulate filters

6.2 Community Air Monitoring Plan

The Site Manager or designee will conduct air monitoring in accordance with the New York State Department of Health (NYSDOH) Community Air Monitoring Plan. Direct reading instruments will be calibrated in accordance with manufacturer's requirements and the results of the calibration will be documented.

This Community Air Monitoring Plan (CAMP) sets forth the procedures for performing real-time monitoring for volatile organic compounds (VOCs) and particulates (i.e., dust) at the downwind perimeter of each designated work area with respect to specific subsurface intrusive activities to be completed as part of the IRM. The CAMP is not intended for use in establishing action levels for worker respiratory protection. Rather, its intent is to provide a measure of protection for the downwind community (i.e., off-site receptors including residences and businesses, and on-site or nearby workers not directly involved with the subject work activities) from potential airborne contaminant releases as a direct result of investigative and remedial work activities. The action levels specified herein require increased monitoring, corrective actions to abate emissions, and/or work shutdown. Additionally, the CAMP helps to confirm that work activities did not spread contamination off-site through the air.

Continuous monitoring will be required for all subsurface intrusive excavation activities**.** The various field instruments that will be used by on-site personnel to perform the continuous air monitoring are listed in Table B-5 below. Subsurface intrusive activities include, but are not limited to, soil excavation and handling.

VOCs will be monitored at the downwind perimeter of the site, outside the existing building on a continuous basis with the use of a Photoionization detector (PID). Upwind concentrations will be measured at the start of each workday and periodically thereafter to establish background conditions.

- If the ambient air concentration of total organic vapors at the downwind perimeter of the site exceeds five (5) parts per million (ppm) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below five (5) ppm over background, work activities can resume with continued monitoring.
- If total organic vapor levels at the downwind perimeter of the site persist at levels in excess of five (5) ppm over background but less than 25 ppm, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below five (5) ppm over background for the 15-minute average.

- If the organic vapor level is above 25 ppm at the perimeter of the site, activities must be shutdown.

All 15-minute readings will be recorded and made available for NYSDEC and NYSDOH personnel to review. Instantaneous readings, if any, used for decision making purposes will also be recorded.

Particulate concentrations will also be monitored continuously at the upwind and downwind perimeters of the exclusion zone or work area during the performance of the IRM. The particulate monitoring will be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment will be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration will be visually assessed during all work activities.

- If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques will be employed. Work may continue with dust suppression techniques if downwind PM-10 particulate levels do not exceed 150 mcg/m^3 above the upwind level and if no visible dust is migrating from the work area.
- If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m^3 above the upwind level, work must be stopped and a re-evaluation of activities initiated. Work can resume if dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m^3 of the upwind level and in preventing visible dust migration.

All readings will be recorded and made available for NYSDEC and NYSDOH personnel to review.

Table B-5
Monitoring Protocols and Contaminant Action Levels

Contaminant/ Atmospheric Condition	Monitoring Equipment	Monitoring Protocol	Breathing Zone* Action Level Concentrations	
			Monitored Level For Mandatory Respirator Use**	Monitored Level For Mandatory Work Stoppages***
VOCs	Photoionization detector (PID) with an 10.6 eV lamp	Initially readings will be recorded every 15 minutes. If no sustained readings are obtained in the breathing zone, readings will be recorded every 30 minutes.	5 ppm above background	25 ppm above background

Table B-5
Monitoring Protocols and Contaminant Action Levels

Contaminant/ Atmospheric Condition	Monitoring Equipment	Monitoring Protocol	Breathing Zone* Action Level Concentrations	
			Monitored Level For Mandatory Respirator Use**	Monitored Level For Mandatory Work Stoppages***
Particulates	MiniRam or Dusttrak or Equivalent	Continuously during intrusive activities that can generate dust, e.g. monitoring well installation, test pits		150 ug/m3 at fence line (institute engineering controls to control dust) per NYSDEC TAGM 4031

* Monitoring performed in the breathing zone for sustained readings of 5 minutes or more. Monitor source first; if the source is near or above the action level concentration, monitor in the breathing zone.
** Monitored levels will require the use of approved respiratory protection specified in Table B-3.
*** Consult the Site manager.

6.3 Decontamination Procedures

Depending on the specific job task, decontamination may include personnel themselves, tools, and/or heavy equipment. The specified level of protection for a task (A, B, C, or D) does not itself define the extent of personal protection or equipment decontamination. For instance, Level C without dermal hazards will require less decontamination than Level C with dermal hazards. Heavy equipment will always require decontamination to prevent cross-contamination. The following sections summarize general decontamination protocols.

6.3.1 Heavy Equipment

Heavy equipment will be decontaminated prior to personnel decontamination. Heavy equipment, drilling rods, augers and/or buckets will be steam cleaned after use at the designated decontamination area. In addition, containment systems will be set-up at the designated decontamination area for collection of decon fluids and materials.

6.3.2 Personnel

In general, decontamination involves scrubbing with a non-phosphate soap/water solution followed by clean water rinses. Disposable items will be disposed of in a dry container.

Reusable protection will be washed with soap and clean potable water and air-dried prior to storage. Dirt, oil, grease or other foreign materials that are visible will be removed from surfaces. Scrubbing with a brush may be required to remove materials that adhere to the surfaces. Certain parts of contaminated respirators, such as harness assemblies and leather or cloth components, are difficult to decontaminate. If grossly contaminated, they may be discarded in a designated container. Rubber components can be soaked in soap and water and scrubbed with a brush.

The following decontamination protocol will be used, as appropriate to the level of PPE being used:

- Drop hand tools and equipment in the designated decontamination area.
- Either wash outer rubber boots or dispose of booties.
- Rinse outer boots.
- Wash and rinse outer gloves.
- Remove outer boots and gloves, dispose gloves if necessary in the container designated for PPE waste.
- Replace cartridges if required.
- Remove and dispose Tyvek coverall in the designated PPE waste container.
- Remove respirator, dispose cartridges as required in the container designated for PPE waste.
- Personnel should wash their respirator at the end of each workday.

6.3.3 Decontamination Wastes and Investigation Derived Wastes

Decontamination wash and rinse waters and investigation derived wastes (IDW) will be managed according to applicable regulatory guidelines.

- Spent decon solutions may be required to be drummed and disposed of as hazardous waste and/or solvent solutions may be required to be segregated from water rinses.
- Decontamination shall be performed in a manner that minimizes the amount of waste generated.
- IDW may be required to be drummed and disposed of as hazardous waste.

7.0 Site Operating Procedures

These following guidelines comply with the established guidelines of the Barton & Loguidice, P.C., Corporate Health and Safety Program:

All field investigation activities must be coordinated through the Site Manager.

During any activity conducted on-site in which a potential exists for exposure to hazardous materials, accident or injury, at least two (2) persons must be present who are in constant communication with each other. At least two (2) persons must also be present during all demolition or excavation activities.

Samples obtained from areas known or suspected to contain contaminated substances or materials must be handled with appropriate personal protection equipment.

All equipment used to conduct the Site Investigation must be properly decontaminated and maintained in good working order. Equipment must be inspected for signs of defects and/or contamination before and after each use.

The discovery of any condition that would suggest the existence of a situation more hazardous than anticipated will result in the evacuation of the activity zone until a complete evaluation of the hazard can be performed.

7.1 Daily Operating Procedures

The following are the daily operating procedures that are to be followed by on-site personnel:

- Hold Tailgate Safety Meetings prior to work start and as needed thereafter (suggest daily; however, minimum of weekly).
- Use monitoring instruments and follow designated protocol and contaminant action levels.
- Use PPE as specified.
- Use hearing protection around heavy equipment.
- Remain upwind of operations and airborne contaminants, if possible.
- Establish a work/rest regimen when ambient temperatures and protective clothing create potential thermal hazards.
- Eating, drinking, applying cosmetics and smoking are prohibited in work areas.
- Refer to the SSHC for specific safety concerns for each individual site task.
- On-site personnel are encouraged to be alert to their own physical condition, as well as their co-workers.
- **All accidents, no matter how minor,** must be immediately reported to the SSHC.

7.2 Site Control

The purpose of site control is to minimize the exposure of site workers to potential contamination, protect the public from the site's hazards, and prevent vandalism. The degree of site control necessary depends on site characteristics and the surrounding community. At this time, there are no access restrictions to the site. During the field activities, Barton & Loguidice, P.C. (B&L), and Steel Treaters are requesting that personnel, subcontractors and visitors report to the on-site B&L supervisor prior to entering the work area.

Since there are no access restrictions to the Site, particular attention will be placed on the condition of the site regarding three (3) main work zone areas:

Activity Zone

This zone applies to the immediate work area and includes all materials, equipment, vehicles and personnel involved in the site activity. For example, during the installation of a monitoring well, the activity zone will encompass the borehole, drilling rig, monitoring well construction materials and equipment, sampling equipment, decontamination supplies, and drilling/well inspection personnel. Site control measures will include flagging the perimeter of the activity zone to clearly mark the limits of work and to warn passers-by and visitors of the site activity. In addition, the site supervisor will maintain communication with City personnel as the location of this zone (and the type of work being performed) changes throughout the project.

The required level of PPE in the activity zone can vary according to job assignment. This will allow a flexible, effective, and less costly operation, while still maintaining a high degree of safety.

This area will be limited to authorized personnel from B&L, regulatory agencies, and contractors/subcontractors to the B&L and/or Steel Treaters. Personnel entering this area will be required to comply with their own HASP that is at least as stringent as this HASP.

Decontamination Zone

In order to prevent incidental contact with contaminants on investigation equipment or in the wash water, activities within the decontamination area will be completed before subsequent site work or other activity begins. This includes:

- Complete removal of contaminants on all equipment used during the preceding phase of the investigation;
- Placement of the waste wash water and sediment in sealed drums;
- Storage of the drums in a secure and out-of-the-way place for future disposal;
- Proper labeling of drum contents;
- Cleanup (if necessary) of area outside of decontamination area; and

Support Zone

The support zone is the location of the administrative and other support functions needed to keep the operations in the activity and decontamination zone running smoothly. Any function that need not or cannot be performed in a hazardous atmosphere is performed here. Personnel may wear normal work clothes within this zone. Any potentially contaminated clothing, equipment and samples must remain in the decontamination zone until decontaminated. All emergency telephone numbers, change for the telephone (if necessary), evacuation route maps, and vehicle keys should be kept in the support zone.

The SSHC will establish a decontamination system and decontamination procedures appropriate to the site and the work that will prevent potentially hazardous materials from leaving the site. All personnel exiting the activity zone will be decontaminated prior to entering the support zone. The decontamination procedures will be reviewed at each daily safety briefing.

Personal hygiene facilities meeting at least the minimum requirements of 29 CFR Part 1910.120 will be provided nearby.

Upon completion of the day's activities, heavy machinery and equipment will be stored securely within the site, or at a location selected by the SSHC.

7.3 Buddy System

Most activities in a contaminated or otherwise hazardous area should be conducted with a partner who is able to:

- Provide his or her partner with assistance.
- Observe his or her partner for signs of chemical or heat exposure.
- Periodically check the integrity of his or her partner's protective clothing.
- Notify the SSHC if emergency help is needed.

7.4 Engineering Controls

Engineering controls and work practices are primarily for limiting exposure through application of engineered barriers. They will be applied to this project when and where they are practicable. The following engineering controls may be applied on this project: water spray, covering of materials, site preparation to facilitate operations and remove obvious physical hazards, and warning alarms/devices.

8.0 Emergency Response Procedures

8.1 Pre-Emergency Planning

Planning for emergencies is a crucial part of emergency response. The SSHC is responsible for training all employees in potential site hazards and the emergency response procedures.

8.2 Personnel Roles

The SSHC is responsible for responding to, or coordinating the response of, off-site personnel to emergencies. In the event of an emergency, the SSHC will direct all notification, response and follow-up actions. Contacts with outside response personnel (hospital, fire department, etc.) will be done at the direction of the SSHC.

Prior to the start of work on the site, the SSHC will:

1. Notify emergency contacts, and/or health care facilities of the potentially hazardous activities and potential wastes that may develop as a result of the activities performed on-site;
2. Confirm that the following safety equipment is available: eyewash and safety shower station, first aid supplies, air horn, and fire extinguishers;
3. Have a working knowledge of the safety equipment available; and
4. Confirm directions to the hospital are prominently posted with the emergency telephone numbers.

Employees who will respond to emergencies involving hazardous materials will be trained in how to respond to such emergencies.

The SSHC will check daily to see that the following safety equipment is available at the site: eyewash station, first aid supplies, and fire extinguisher.

The SSHC will be responsible for directing notification, response and follow-up actions and for contacting outside response personnel (ambulance, fire department or others) prior to and during an emergency. Upon notification of an exposure incident, the SSHC will call the Hospital and fire and police emergency response personnel for recommended medical diagnosis, treatment, if necessary, and transportation to the hospital.

The SSHC must conduct an investigation of the incident as soon as possible. The SSHC will determine whether and at what levels exposure actually occurred, the cause of such exposure, and the means to prevent similar incidents from occurring. The resulting report must be accurate, objective, complete and signed and dated.

8.3 Safe Distances and Places of Refuge

In case of an emergency, a designated off-site area will serve as the immediate place of refuge. Personnel in the exclusion zone should evacuate through the decontamination zone to the refuge location, both for their own personal safety and to prevent hampering response/rescue efforts. Following an evacuation, the SSHC will account for on-site personnel. If evacuation from the work site is necessary, the project vehicles will be used to transport on-site personnel to a place of refuge.

8.4 Emergency Communications

There will be a cellular telephone located in either the Site Manager's and/or SSHC's vehicle for emergency use. Emergency telephone numbers are listed in Attachment 7 of this HASP. There will be air horns, walkie-talkies, and/or other audible emergency signals located within the exclusion zone and decontamination area to signal others of an emergency. The SSHC should brief all personnel regarding audible emergency signals to be used during the site activities prior to starting the work. Site personnel will use the following hand signals to inform others of emergencies:

- Hand gripping throat - out of air, cannot breathe.
- Grip partner's wrist or both hands around waist - leave area immediately.
- Hands on top of head - need assistance.
- Thumbs up - everything's OK, or I understand.
- Thumbs down – No.

8.5 Emergency Procedures

The nature of work at a contaminated or potentially contaminated work site makes emergencies a continual possibility. Although emergencies are unlikely and occur infrequently, a contingency plan is required to assure timely and appropriate response actions. The contingency plan is reviewed at tailgate safety meetings.

8.5.1 Incident Procedures

If an emergency incident occurs, the following actions will be taken:

1. Size-up the situation based upon available information.
2. Notify the SSHC.
3. Only respond to an emergency if personnel are sufficiently trained and properly equipped.
4. As appropriate, evacuate site personnel and notify emergency response agencies, e.g., police, fire, etc.

5. As necessary, request assistance from outside sources and/or allocate personnel and equipment resources for the response.
6. Consult the posted emergency telephone list and contact key project personnel.
7. Prepare an incident report.

All site personnel should be aware of the location of fire fighting equipment. Personnel shall only extinguish minor fires. Large fires will require contacting the local fire department and allowing them to handle the fire. The local fire department will be contacted prior to initiating site activities to inform them of the potential hazardous materials that could be encountered in an emergency.

8.5.2 Medical Emergencies

In the event of an accident or injury, workers will immediately implement emergency decontamination and isolation measures to assist those who have been injured or exposed and to protect others from the hazards. Upon notification of an exposure incident, the SSHC will contact the emergency response personnel who can provide medical diagnosis and treatment. If necessary, immediate medical care will be provided by trained personnel competent in first aid procedures. Trained personnel competent in such matters will only provide other on-site medical and/or first aid response to an injury or illness.

If an individual is transported to a hospital or doctor, a copy of this HASP will accompany the individual.

The SSHC will be notified when an accident or incident occurs and will respond according to the seriousness of the incident. The SSHC will investigate facility/site conditions to determine whether and at what levels exposure actually occurred, the cause of such exposure and the means to be taken to prevent the incident from recurring.

The SSHC and the exposed individual will complete an exposure-incident investigation. The SSHC will prepare a signed and dated report documenting the investigation. The SSHC and the exposed individual will also complete an exposure-incident reporting form. The form will be filed with the employee's medical and safety records to serve as documentation of the incident and the actions taken.

Emergency first aid may include taking care of minor scrapes to performing CPR. All site personnel should be familiar with the location of the site first aid kits. The site safety officer should be trained in first aid and CPR. Contacting hospital and/or emergency agencies shall be made on a case by case basis depending on the severity of the injury. If an off-site emergency agency is contacted, all the details relating to the injury should be relayed to that agency. All site injuries should be documented. The following actions should be taken if someone requires first aid:

1. Survey the scene to determine if it is safe to reach the injured person.

2. Ask the injured person what happened. If the person is unconscious, look for signs as to what may have occurred.
3. See if there are others injured.
4. Reassure the victim. Contact others for help; tell them to call the appropriate emergency agency.
5. If it is safe to move the victim, return them back to the field office.

Only trained personnel should perform CPR or rescue breathing on an unconscious victim.

Personnel who experience heat stress or frost bite should be attended to in the following manner:

Heat Stress - Symptoms include cool, pale and moist skin, heavy sweating, headache, and nausea. This person should be removed from the hot environment immediately, and allowed to lie on their back. Apply cold packs or make sure they are in an air-conditioned room. Give them plenty of water and/or electrolyte-replacing fluids. Should a victim experience heat stroke (high body temperature, red skin) the body must be cooled down quickly and receive medical attention immediately. Persons experiencing heat stress or heat stroke should be attended to until the situation has been remedied.

Frostbite - Symptoms include slightly flushed skin that becomes white, pain at extremities in early stages. Get a victim experiencing frostbite to a warm area and put the frostbitten parts in warm (100-105º F) water. Loosely bandage injured parts after soaking.

Hypothermia - Under conditions of cold temperatures and high winds, there is the potential for workers experiencing hypothermia. Signs of hypothermia include: shivering, dizziness, numbness, confusion, or drowsiness. Warm up this person's body with dry clothes and a blanket, if available. Call the appropriate emergency agency or take this person to the hospital.

8.6 Emergency Routes

Should an emergency signal be sounded, on-site personnel should immediately stop what they are doing, and return to the decontamination area. Personnel in the decontamination area and the support zone should evaluate the emergency and contact the appropriate off site emergency personnel. Once on site personnel return to the decontamination area, there will be someone there to direct them as to what to do. It is imperative that the SSHC or designated alternate account for all site personnel. The SSHC should direct all personnel to the nearest safe refuge.

The hospital route is included as an attachment.

If the emergency event threatens the surrounding community, it is important that the local police and fire departments be contacted immediately regarding the potential danger.

8.7 Spill Control

A major spill is not anticipated at the site. Should a spill of any type occur, the employee should report it immediately to the SSHC, who will make arrangements for the proper cleanup of the spill. These arrangements will include diking and ditching, as necessary, as well as the use of absorbents such as vermiculite or Speedi Dry. The emergency response personnel will be contacted immediately by SSHC in the event that on-site materials can not immediately contain the spill.

8.8 Personal Protective and Emergency Equipment

There will be suitable equipment on site for small emergency events such as additional PPE, fire extinguishers and first aid kits. In the event of a major emergency event, off-site personnel will be contacted immediately.

8.9 Decontamination Procedures

The extent of emergency decontamination depends on the severity of the injury or illness and the nature of the contamination. Minimum decontamination will consist of detergent washing, rinsing, and removal of contaminated outer clothing and equipment. If time does not permit the completion of all of these actions, it is acceptable to remove the contaminated clothing without washing it. If the situation is such that the contaminated clothing cannot be removed, the person should be given required first aid treatment, and then wrapped in plastic or a blanket prior to transport to medical care. If heat stress is a factor in the victim's illness/injury, the outer protective garment will be removed immediately.

8.10 Evacuation Routes

Unless otherwise directed, evacuation will be made through the decon area to the designated refuge location for a head count.

8.11 Response Critique

Should an incident on-site occur, the SSHC will analyze the response efforts in order to continually improve on-site conditions and procedures. The SSHC must complete follow-up activities before on-site work is resumed following an emergency. Used emergency equipment must be recharged, refilled or replaced. Government agencies must be notified as required in their regulations.

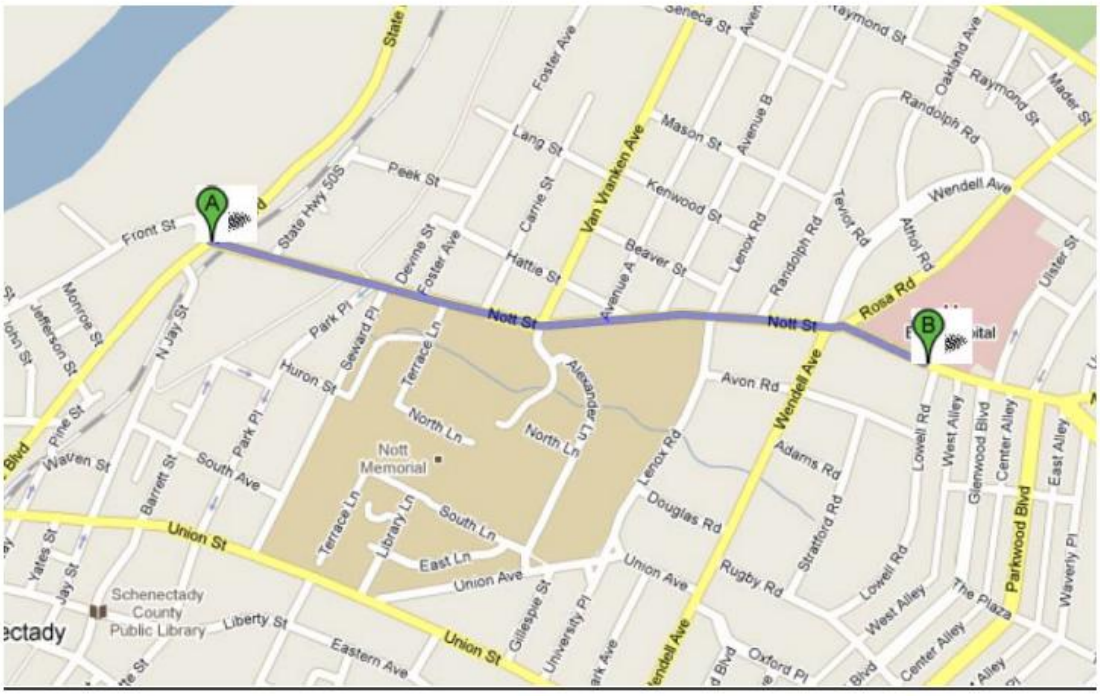
Attachment 1

Driving directions to Ellis Hospital
1.0 mi – about **2 mins**

A 301 Nott St
Schenectady, NY 12305

1. Head **east** on **Nott St** toward **Erie Blvd/Maxon Rd** 1.0 mi
Destination will be on the left

B Ellis Hospital
1101 Nott St
Schenectady, NY



(This should be posted at a conspicuous location at the site.)

Attachment 2

Emergency Contacts
(To Be Posted)

Contact	Person or Agency	Phone Number
Maxon-ALCO Holdings LLC	Steve Luciano	(518) 356-4445
NYSDEC Region 4 Project Manager	John Strang	(518) 357-2390
Law Enforcement	(C) Schenectady PD	911
Fire Department	(C) Schenectady FD	911
Confined Space Rescue (Fire Department)	(C) Schenectady FD	911
Ambulance		911
Hospital - Emergency	Ellis Hospital	(518) 243-4000
B&L Site Manager/Site Safety Officer	Andrew J Barber	(518) 218-1801
B&L Officer-in-Charge	Scott D. Nostrand, P.E.	(315) 457-5200