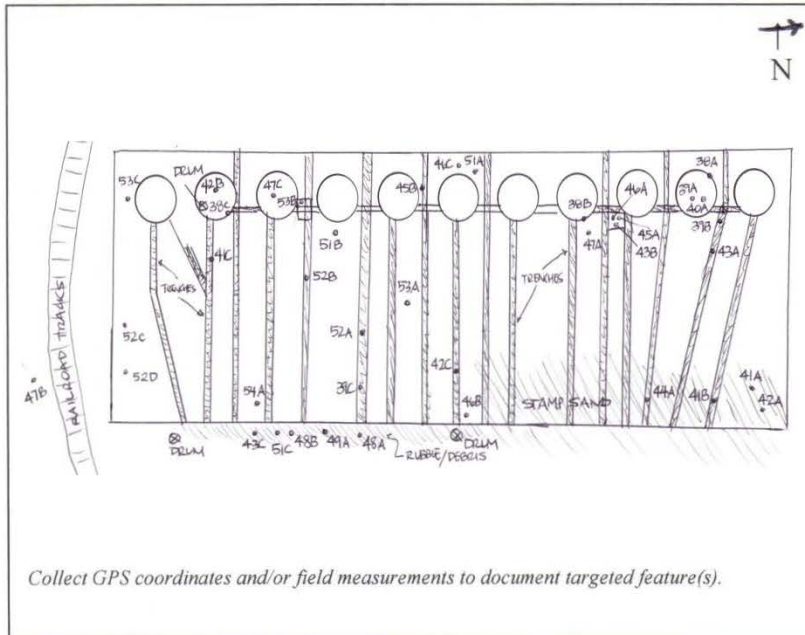


**ABANDONED MINING WASTES TORCH LAKE NON-SUPERFUND SITE  
CALUMET AND HECLA – LAKE LINDEN OPERATIONS  
TARGETED INSPECTION FORM**



Inspection Date: 6/30/15 Feature Identification/Name: CALUMET STAMP MILL

Geographic Area: LAKE LINDEN PROCESSING AREA Property Identification Number: 014-306-003-00

**OBSERVATIONS** (Including description and sketch) Inspector/Sampler: DUEBAJ/M. CASTILLO

Circle the appropriate answer;

Potential Physical Hazard: ☒ Yes ☐ No Potential Chemical Hazard: Yes ☐ No ☒ No  
Capped Area: Yes ☐ Yes ☒ No Residual Process Material: Yes ☐ Yes ☒ No Abandoned Container: Yes ☐ Yes ☒ No  
Stressed Vegetation: Yes ☐ Yes ☒ No Visible Staining: Yes ☐ Yes ☒ No Building Materials: Yes ☐ Yes ☒ No

**Describe Targeted Feature:**

LARGE DIAMETER CONCRETE SORTING TABLES ON THE WEST SIDE OF THE FORMER STAMP MILL FLOOR. FEATURE A TAR AND ROPE-LIKE CASSET AROUND THE OUTER RIM OF THE STRUCTURES

**Sampling Activities (Sample Description, Sample Time, Requested Analyses):**

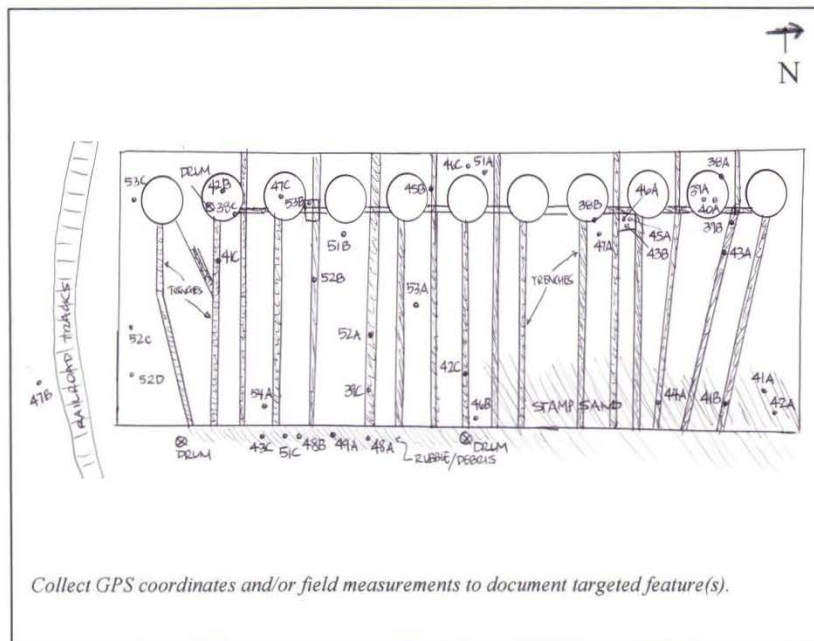
CHL-ASBBLK 38A - 063015 COLLECTED AT 0810  
CHL-ASBBLK 38B - 063015 COLLECTED AT 0900  
CHL-ASBBLK 38C - 063015 COLLECTED AT 1145

**Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):**

ROPE IS GENERALLY COATED IN TAR, BUT IS EXPOSED AND DETEQUIZATING IN AREAS. TAR BECOMES VISCOUS IN THE HEAT OF THE SUN AND MAY ADHERE TO CLOTHING AND SKIN. EXPOSED AREAS OF ROPE WILL

**Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):** LIKELY CONTINUE WORKERS AND VISITORS COULD BE EXPOSED TO TO DEGRADATE HAZARDOUS MATERIALS VIA CONTACT.

**ABANDONED MINING WASTES TORCH LAKE NON-SUPERFUND SITE  
CALUMET AND HECLA – LAKE LINDEN OPERATIONS  
TARGETED INSPECTION FORM**



Inspection Date: 6/30/15 Feature Identification/Name: CALUMET STAMP MILL

Geographic Area: LAKE LINDEN PROCESSING AREA Property Identification Number: 014-306-003-00

**OBSERVATIONS** (Including description and sketch) Inspector/Sampler: D. UEBAU / M. CASTILLO

Circle the appropriate answer;

Potential Physical Hazard: Yes ☒ No ☐ Potential Chemical Hazard: Yes ☒ No ☐  
Capped Area: Yes ☒ No ☐ Residual Process Material: Yes ☒ No ☐ Abandoned Container: Yes ☒ No ☐  
Stressed Vegetation: Yes ☒ No ☐ Visible Staining: Yes ☒ No ☐ Building Materials: ☒ Yes ☐ No

**Describe Targeted Feature:**

THE STAMPMILL FLOOR FEATURES NUMEROUS TRENCHES GENERALLY ORIENTED FROM EAST TO WEST. THE TRENCHES ARE FILLED WITH VARIOUS TYPES OF DEBRIS AND LIKELY ACT AS CONDUIT FOR MATERIAL TO BE MOVED VIA WIND AND WATER TO THE EAST SIDE OF THE STAMP MILL FOUNDATION

**Sampling Activities (Sample Description, Sample Time, Requested Analyses):**

CHLL-ASBBLK39A-063015, COLLECTED AT 0815  
CHLL-ASBBLK39B-063015 COLLECTED AT 1115  
CHLL-ASBBLK-39C-063015 COLLECTED AT 1130

**Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):**

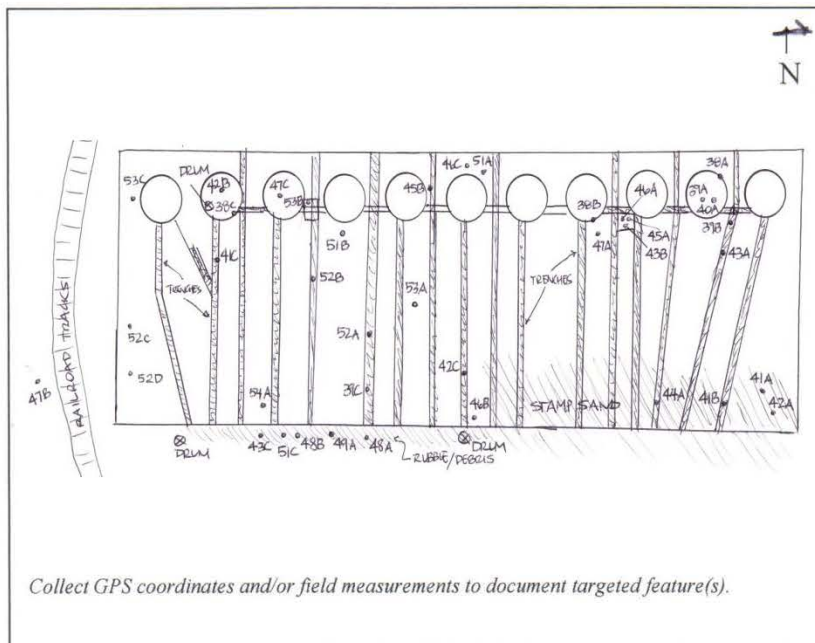
THE SUSPECT TS1 IS HIGHLY WEATHERED AND HIGHLY FRIABLE. THE MATERIAL IS SUSCEPTIBLE TO FUTURE DEGRADATION DUE TO WIND AND WATER. WORKERS AND VISITORS COULD BE EXPOSED THROUGH PARTICULATE INHALATION

**Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):**

LIKE MATERIAL WAS OBSERVED COMMINGLED WITH STAMP SAND AND RUBBLE ALONG THE EASTERN LIMITS OF THE FOUNDATION



**ABANDONED MINING WASTES TORCH LAKE NON-SUPERFUND SITE  
CALUMET AND HECLA – LAKE LINDEN OPERATIONS  
TARGETED INSPECTION FORM**



Inspection Date: 6/30/15 Feature Identification/Name: CALUMET STAMP MILL

Geographic Area: LAKE LINDEN PROCESSING AREA Property Identification Number: 014-306-003-00

**OBSERVATIONS** (Including description and sketch) Inspector/Sampler: D. WEBER/M. CASTILLO

Circle the appropriate answer;

Potential Physical Hazard: Yes ☒ No ☐ Potential Chemical Hazard: Yes ☒ No ☐  
Capped Area: Yes ☒ No ☐ Residual Process Material: Yes ☒ No ☐ Abandoned Container: Yes ☒ No ☐  
Stressed Vegetation: Yes ☒ No ☐ Visible Staining: Yes ☒ No ☐ Building Materials: Yes ☒ No ☐

**Describe Targeted Feature:**

BLACK AND SILVERY STRANDS OF MATERIAL IN A MASS. THE MATERIAL APPEARS LIKE A THREADED FIBROUS MESH. POTENTIALLY CONSISTENT WITH A WEATHERED/DETERIORATED TARP.

**Sampling Activities (Sample Description, Sample Time, Requested Analyses):**

CHLL-ASBBLK40A-003015 COLLECTED AT 0820

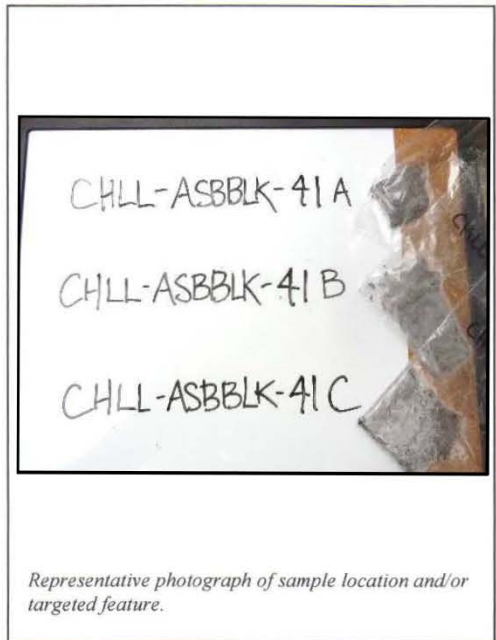
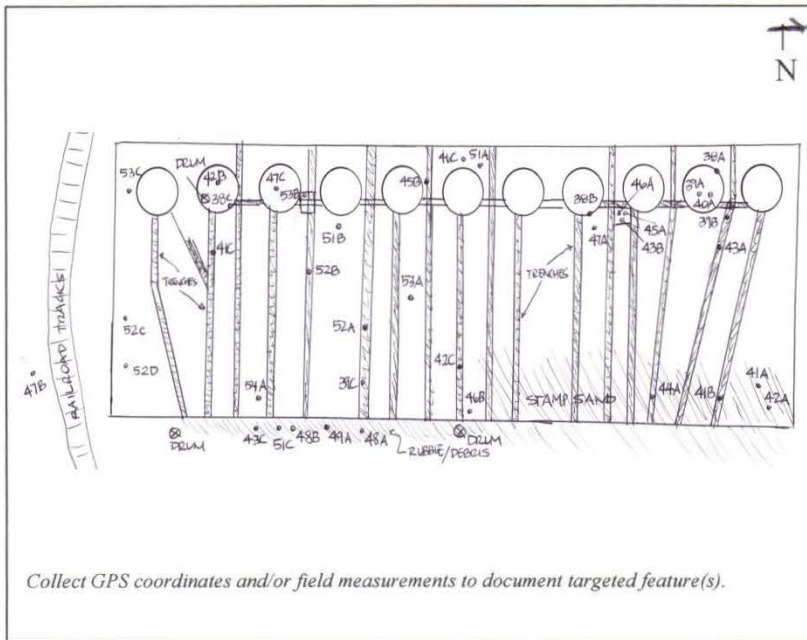
**Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):**

THE MATERIAL IS HIGHLY WEATHERED AND DEGRADED. IF DETERMINED TO BE POSITIVE FOR ASBESTOS THE MATERIAL WOULD POSE INHALATION RISKS TO WORKERS AND VISITORS AT THE SITE

**Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):**

THE MATERIAL WAS ONLY IDENTIFIED IN ONE AREA OF THE SITE, LOCATED IN THE CENTER OF ONE OF THE SORTING TABLES

**ABANDONED MINING WASTES TORCH LAKE NON-SUPERFUND SITE  
CALUMET AND HECLA – LAKE LINDEN OPERATIONS  
TARGETED INSPECTION FORM**



Inspection Date: 6/30/15 Feature Identification/Name: CALUMET STAMP MILL

Geographic Area: LAKE LINDEN PROCESSING AREA Property Identification Number: 014-306-003-00

**OBSERVATIONS** (Including description and sketch) Inspector/Sampler: D. UEBAU/M. CASTRO

**Circle the appropriate answer;**

Potential Physical Hazard: Yes ☒ No ☐ Potential Chemical Hazard: Yes ☒ No ☐  
Capped Area: Yes ☒ No ☐ Residual Process Material: Yes ☒ No ☐ Abandoned Container: Yes ☒ No ☐  
Stressed Vegetation: Yes ☒ No ☐ Visible Staining: Yes ☒ No ☐ Building Materials: ☒ Yes ☐ No

**Describe Targeted Feature:**

THE STAMP MILL FLOOR FEATURES NUMEROUS TRENCHES GENERALLY ORIENTED FROM EAST TO WEST. THE TRENCHES ARE FILLED WITH VARIOUS TYPES OF DEBRIS. THIS MATERIAL BLUE/GRAY COLORED APPEARS LAYERED

Sampling Activities (Sample Description, Sample Time, Requested Analyses):

CHLL-ASBBLK 41A - 063015, COLLECTED AT 0830 WITH FIBERS VISIBLE  
CHLL-ASBBLK 41B - 063015, COLLECTED AT 1000 ALONG BREAKS  
CHLL-ASBBLK 41C - 063015, COLLECTED AT 1335

Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

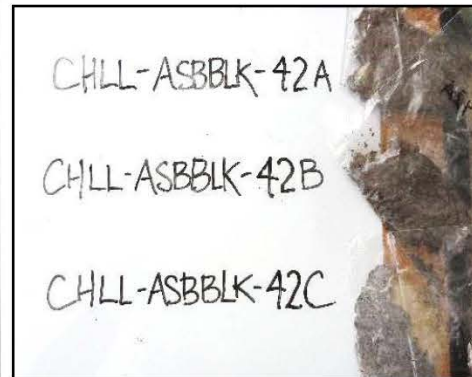
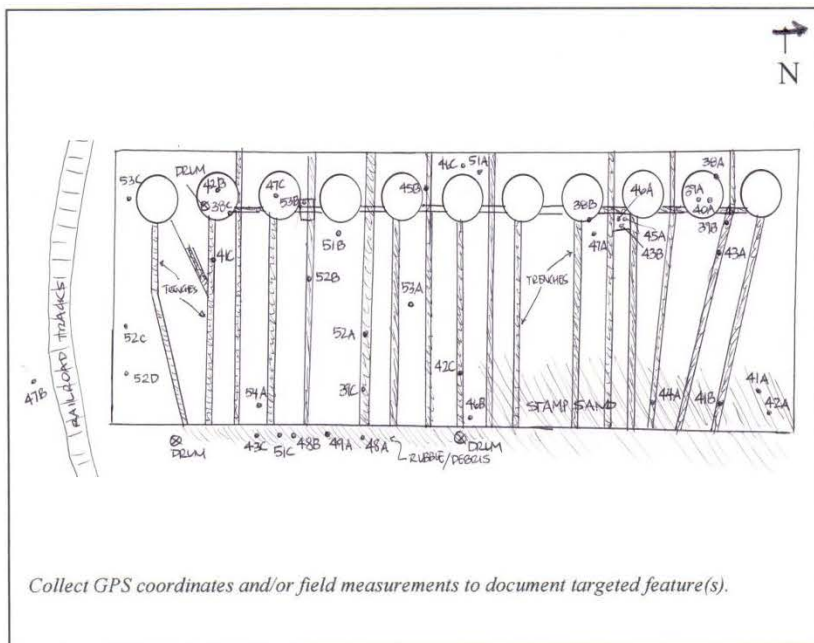
THE MATERIAL WAS OBSERVED IN SMALL BROKEN FRAGMENTS IN DIFFERENT AREAS OF THE STAMP MILL FLOOR, LOCATED IN TRENCHES AND COMMINGLED WITH STAMP SAND

Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):

THE LOCATION OF THE MATERIAL IN TRENCHES AND ON THE MILL FLOOR MAKE IT SUSCEPTIBLE TO EROSION VIA WIND AND WATER



**ABANDONED MINING WASTES TORCH LAKE NON-SUPERFUND SITE  
CALUMET AND HECLA – LAKE LINDEN OPERATIONS  
TARGETED INSPECTION FORM**



Inspection Date: 6/30/15 Feature Identification/Name: CALUMET STAMP MILL

Geographic Area: LAKE LINDEN PROCESSING AREA Property Identification Number: 014-306-003-00

**OBSERVATIONS** (Including description and sketch) Inspector/Sampler: D. LIEBAU/ M. CASTILLO

Circle the appropriate answer;

Potential Physical Hazard: Yes ☐ No ☒ Potential Chemical Hazard: Yes ☐ No ☒  
Capped Area: Yes ☐ No ☒ Residual Process Material: Yes ☐ No ☒ Abandoned Container: Yes ☐ No ☒  
Stressed Vegetation: Yes ☐ No ☒ Visible Staining: Yes ☐ No ☒ Building Materials: ☒ Yes ☐ No

**Describe Targeted Feature:**

GRAY PAPER, APPEARS LAYERED, WEATHERED AND FRAGILE. MATERIAL IS WIDESPREAD ACROSS THE STAMP MILL FLOOR AND IN AREAS OF STAMP SAND. APPEARS IN SMALL (4") TO LARGE (3') SHEETS

**Sampling Activities (Sample Description, Sample Time, Requested Analyses):**

CHLL-ASBBLK 42A-063015, COLLECTED AT 0825

CHLL-ASBBLK 42B-063015, COLLECTED AT 1010

CHLL-ASBBLK 42C-063015, COLLECTED AT 1030

**Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):**

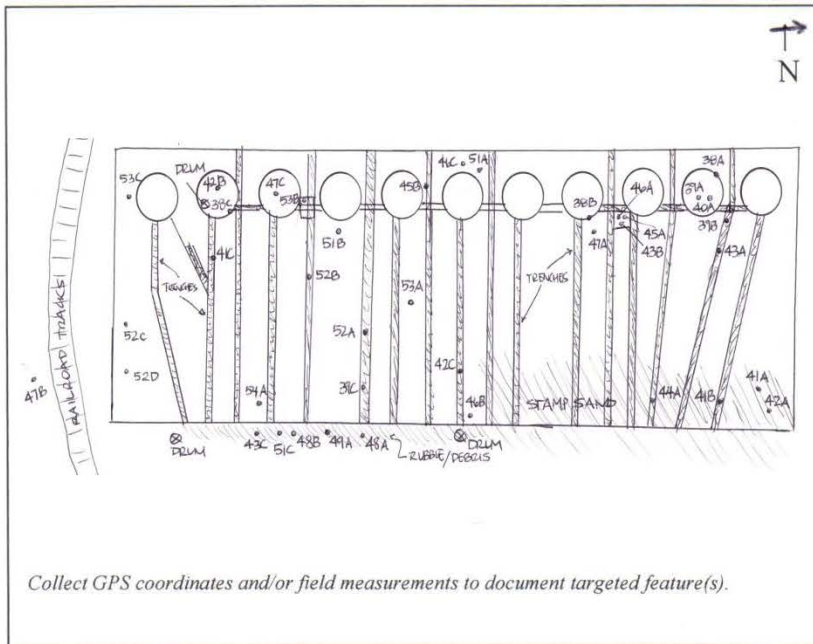
THE SUSPECT MATERIAL PRESENTS A POTENTIAL HAZARD TO WORKERS AND VISITORS FROM A DIRECT CONTACT AND INHALATION PERSPECTIVE DUE TO THE WEATHERED NATURE OF THE MATERIAL. CONTINUED

**Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):**

ALSO OBSERVED IN TRENCHES AND ON THE GROUND SURFACE AROUND THE STAMP MILL FOUNDATION

EXPOSURE TO WIND AND WATER WILL FURTHER DEGRADE THE MATERIAL

**ABANDONED MINING WASTES TORCH LAKE NON-SUPERFUND SITE  
CALUMET AND HECLA – LAKE LINDEN OPERATIONS  
TARGETED INSPECTION FORM**



Inspection Date: 6/30/15 Feature Identification/Name: CALUMET STAMP MILL

Geographic Area: LAKE LINDEN PROCESSING AREA Property Identification Number: 014-306-003-00

OBSERVATIONS (Including description and sketch) Inspector/Sampler: D. LEBEAU/M. CASTILLO

Circle the appropriate answer;

Potential Physical Hazard: Yes ☒ No ☐ Potential Chemical Hazard: Yes ☒ No ☐  
Capped Area: Yes ☒ No ☐ Residual Process Material: Yes ☒ No ☐ Abandoned Container: Yes ☒ No ☐  
Stressed Vegetation: Yes ☒ No ☐ Visible Staining: Yes ☒ No ☐ Building Materials: ☒ Yes ☐ No

Describe Targeted Feature:

SMALL 1-3" FRAGMENTS OF GRAYISH WHITE TRANSIRE-LIKE MATERIAL MATERIAL WAS APPROXIMATELY 1/2" THICK, FEATURED LAYERING AND APPARENT FIBELS ALONG BREAKS IN THE MATERIAL

Sampling Activities (Sample Description, Sample Time, Requested Analyses):

CHLL-ASBBLK43A - 063015, COLLECTED AT 0850  
CHLL-ASBBLK43B - 063015, COLLECTED AT 1020  
CHLL-ASBBLK43C - 063015, COLLECTED AT 1405

Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

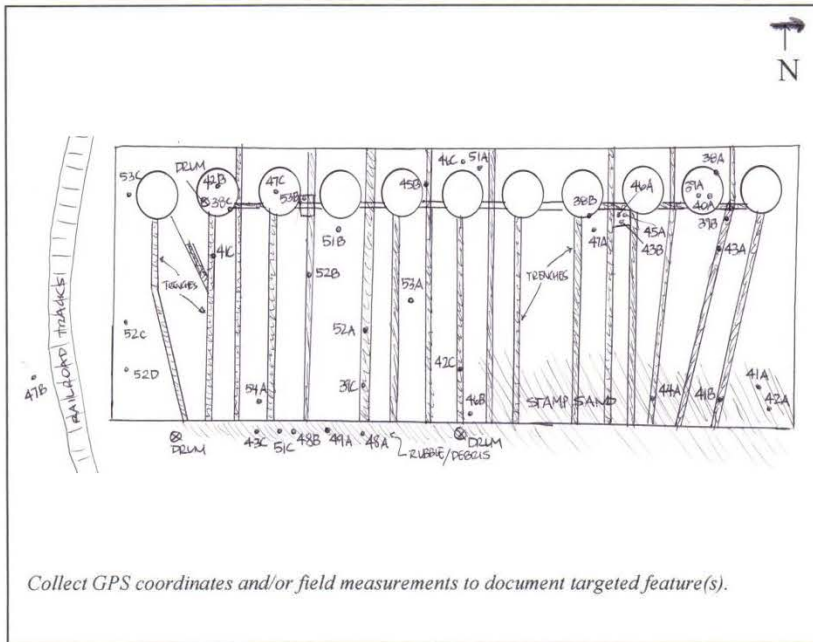
THE MATERIAL WAS NOT OBSERVED IN ABUNDANCE BUT WAS OBSERVED AT SEVERAL DIFFERENT LOCATIONS ACROSS THE STAMP MILL SURFACE IN TRENCHES AND IN DEBRIS ON THE EAST SIDE OF THE FOUNDATION

Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):

THE MATERIAL POSES AN INHALATION RISK TO WORKERS AND VISITORS ACCESSING THE STAMP MILL AREA.



**ABANDONED MINING WASTES TORCH LAKE NON-SUPERFUND SITE  
CALUMET AND HECLA – LAKE LINDEN OPERATIONS  
TARGETED INSPECTION FORM**



Inspection Date: 6/30/15 Feature Identification/Name: CALUMET STAMP MILL

Geographic Area: LAKE LINDEN PROCESSING AREA Property Identification Number: 014-306-003.00

OBSERVATIONS (Including description and sketch) Inspector/Sampler: D.UEFAU / M.CASTILLO

Circle the appropriate answer;

Potential Physical Hazard: Yes ☒ No ☐ Potential Chemical Hazard: Yes ☒ No ☐  
Capped Area: Yes ☒ No ☐ Residual Process Material: Yes ☒ No ☐ Abandoned Container: Yes ☒ No ☐  
Stressed Vegetation: Yes ☒ No ☐ Visible Staining: Yes ☒ No ☐ Building Materials: ☒ Yes ☐ No

Describe Targeted Feature:

SMALL 1-3" FRAGMENT OF TRANSITE, GRAYISH WHITE, LOCATED IN TRENCH AND COMMINGLED WITH STAMP SAND. OBSERVATIONS OF THIS MATERIAL WERE NOT WIDESPREAD ACROSS THE STAMP MILL FOUNDATION  
Sampling Activities (Sample Description, Sample Time, Requested Analyses):  
CHLL-ASBBLK 44A-063015, COLLECTED AT 0845

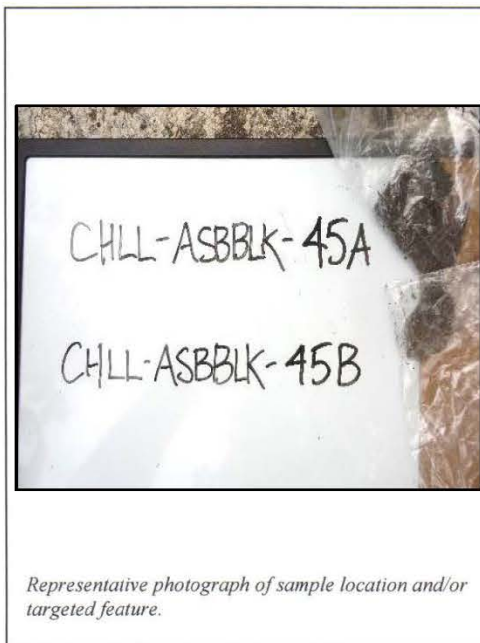
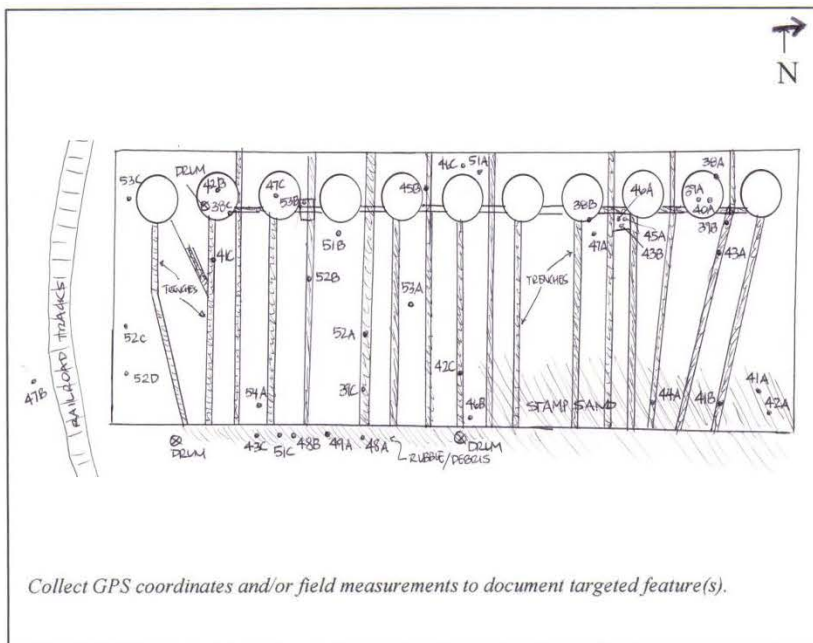
Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

THE MATERIAL POSES AN INHALATION RISK TO WORKERS AND VISITORS ACCESSING THE STAMP MILL AREA.

Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):

THE LOCATION OF THE MATERIAL, COMMINGLED WITH STAMP SAND SUGGESTS THAT MORE COULD BE PRESENT, BURIED WITHIN THE STAMP SAND.

**ABANDONED MINING WASTES TORCH LAKE NON-SUPERFUND SITE  
CALUMET AND HECLA – LAKE LINDEN OPERATIONS  
TARGETED INSPECTION FORM**



Inspection Date: 6/30/15 Feature Identification/Name: CALUMET STAMP MILL

Geographic Area: LAKE LINDEN PROCESSING AREA Property Identification Number: 014-306.003-00

**OBSERVATIONS** (Including description and sketch) Inspector/Sampler: D. LEBEAU / M. CASTILLO

**Circle the appropriate answer;**

Potential Physical Hazard: Yes ☒ No ☐ Potential Chemical Hazard: Yes ☒ No ☐  
Capped Area: Yes ☒ No ☐ Residual Process Material: Yes ☒ No ☐ Abandoned Container: Yes ☒ No ☐  
Stressed Vegetation: Yes ☒ No ☐ Visible Staining: Yes ☒ No ☐ Building Materials: Yes ☒ No ☐

**Describe Targeted Feature:**

SMALL 6" FRAGMENTS OF GRAYISH WHITE WOVEN SHEETING, APPEARS FIBROUS, WOVEN MESH. NOT FOUND TO BE WIDESPREAD, FOUND IN TRENCH AND ON THE STAMPMILL FLOOR (TWO LOCATIONS), WEATHERED, DAMAGED, FRIABLE

Sampling Activities (Sample Description, Sample Time, Requested Analyses):  
CHLL-ASBBLK 45A-063015, COLLECTED AT 0852  
CHLL-ASBBLK 45B-063015, COLLECTED AT 1320

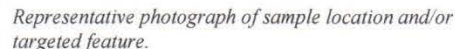
**Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):**

THE MATERIAL POSES A POTENTIAL INHALATION RISK IF CONTACTED BY VISITORS OR WORKERS ACCESSING THE STAMP MILL AREA.

**Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):**



## TARGETED INSPECTION FORM



Inspection Date: 6/30/15 Feature Identification/Name CALUMET STAMP MILL

Geographic Area: LAKE UMDEN PROCESSING AREA Property Identification Number: 014-306-003-00

**OBSERVATIONS** *(Including description and sketch)* Inspector/Sampler: DLUEBAU/MCASTIWO

**Circle the appropriate answer;**

Potential Physical Hazard: Yes ☒ No ☐ Potential Chemical Hazard: Yes ☒ No ☐  
Capped Area: Yes ☒ No ☐ Residual Process Material: Yes ☒ No ☐ Abandoned Container: Yes ☒ No ☐  
Stressed Vegetation: Yes ☒ No ☐ Visible Staining: Yes ☒ No ☐ Building Materials: ☒ Yes ☐ No ☐

**Describe Targeted Feature:**

BLACK ASPHALTIC ROOFING MATERIAL FOUND WIDESPREAD ACROSS THE  
STAMP MILL FLOOR, IN TRENCHES, ON SORTING TABLES, AND ON THE  
GROUND SURFACE EAST OF THE FOUNDATION. WEATHERED, DAMAGED

CHU-ASB BUK 46A-063015, COLLECTED AT 0855  
CHU-ASB BUK 46B-063015, COLLECTED AT 1030  
CHU-ASB BUK 46C-063015, COLLECTED AT 1105

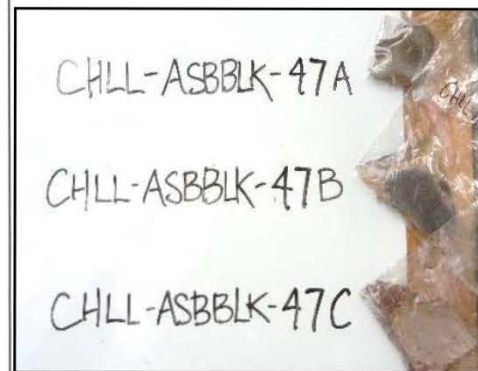
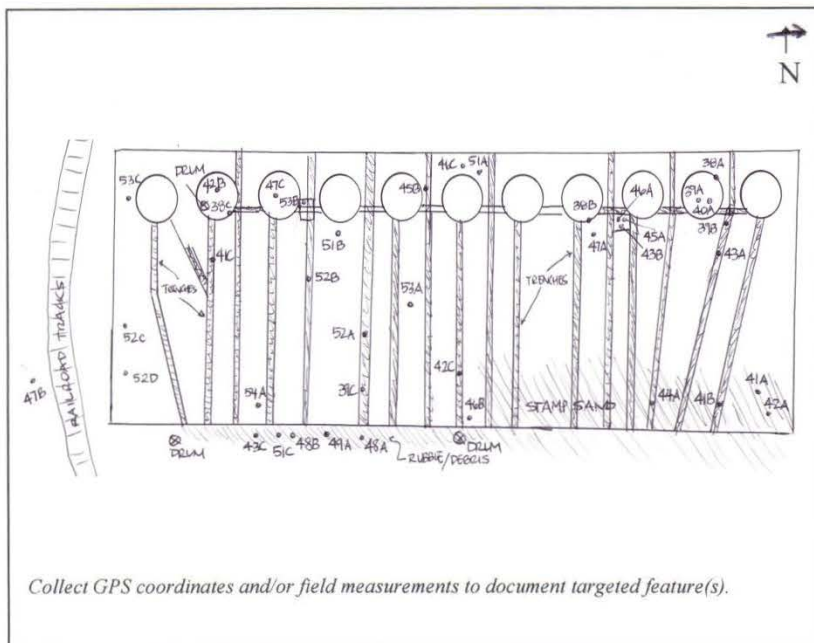
### Potential Exposure Pathways (*Ingestion, Inhalation, Direct Contact*):

THE MATERIAL POSES A POTENTIAL INHALATION RISK TO WORKERS AND VISITORS ACCESSING THE STAMP MILL AREA.

**Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):**

ON THE SOUTHERN HALF OF THE STAMP MILL, TO THE EAST ON THE GROUND SURFACE (IN THE VICINITY OF LOCATIONS 48B AND 51C) THERE APPEARS TO BE A PARTIALLY BURNT PILE OF ASPHALTIC ROOFING MATERIAL, APPROX 3' IN DIAMETER

**ABANDONED MINING WASTES TORCH LAKE NON-SUPERFUND SITE  
CALUMET AND HECLA – LAKE LINDEN OPERATIONS  
TARGETED INSPECTION FORM**



Representative photograph of sample location and/or targeted feature.

Inspection Date: 6/30/15 Feature Identification/Name: CALUMET STAMP MILL

Geographic Area: LAKE LINDEN PROCESSING AREA Property Identification Number: 014-306-003-00

OBSERVATIONS (Including description and sketch) Inspector/Sampler: D. LIEBAU/M. CASTILLO

Circle the appropriate answer;

Potential Physical Hazard: Yes ☒ No ☐ Potential Chemical Hazard: Yes ☒ No ☐  
Capped Area: Yes ☒ No ☐ Residual Process Material: Yes ☒ No ☐ Abandoned Container: Yes ☒ No ☐  
Stressed Vegetation: Yes ☒ No ☐ Visible Staining: Yes ☒ No ☐ Building Materials: ☒ Yes ☐ No

Describe Targeted Feature:

GRAYISH WHITE TILE BOARD PANELING, MATERIAL IS TYPICAL WITH A BROWNISH APPARENT FIBER BOARD CONSTRUCTION, WITH GLOSSY WATER RESISTANT FAUX TILE PATTERN ON ONE SIDE; FOUND IN THREE LOCATIONS ACROSS THE SITE.

Sampling Activities (Sample Description, Sample Time, Requested Analyses):

CHLL-ASBBLK 47A - 063015, COLLECTED AT 0900  
CHLL-ASBBLK 47B - 063015, COLLECTED AT 1300  
CHLL-ASBBLK 47C - 063015, COLLECTED AT 1440

Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

MATERIAL IS WEATHERED, BUT GENERALLY INTACT. FOUND IN THREE SMALL TO LARGE SHEETS. IF DETERMINED TO CONTAIN ASBESTOS THE MATERIAL COULD POSE AN INHALATION RISK TO VISITORS AND

Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts): WORKERS THE PANEL ASSOCIATED WITH SAMPLE CHLL-ASBBLK 47B-063015 IS LOCATED SOUTH OF THE STAMP MILL FOUNDATION AND SOUTH OF THE RAILROAD TRACKS



**ABANDONED MINING WASTES TORCH LAKE NON-SUPERFUND SITE  
CALUMET AND HECLA – LAKE LINDEN OPERATIONS  
TARGETED INSPECTION FORM**

Collect GPS coordinates and/or field measurements to document targeted feature(s).

Representative photograph of sample location and/or targeted feature.

Inspection Date: 6/30/15 Feature Identification/Name CALUMET STAMP MILL

Geographic Area: LAKE LINDEN PROCESSING AREA Property Identification Number: OM-306-003-00

**OBSERVATIONS** (Including description and sketch) Inspector/Sampler: D. LIEBMAN/M. CASTILLO

**Circle the appropriate answer;**

Potential Physical Hazard: Yes ☒ No ☐ Potential Chemical Hazard: Yes ☒ No ☐  
Capped Area: Yes ☒ No ☐ Residual Process Material: Yes ☒ No ☐ Abandoned Container: Yes ☒ No ☐  
Stressed Vegetation: Yes ☒ No ☐ Visible Staining: Yes ☒ No ☐ Building Materials: ☒ Yes ☐ No

**Describe Targeted Feature:**

GRAY CORRUGATED PIPE WRAP, MATERIAL DISTRIBUTION DID NOT APPEAR TO BE WIDESPREAD AND WAS GENERALLY OBSERVED IN THE SOUTHERN HALF OF THE FOUNDATION, MATERIAL IS DAMAGED AND RELIABLE

**Sampling Activities (Sample Description, Sample Time, Requested Analyses):**

CHLL-ASBBLK 48A - 06/30/15, COLLECTED AT 1120  
CHLL-ASBBLK 48B - 06/30/15 COLLECTED AT 1340

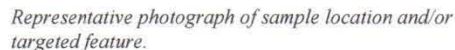
**Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):**

THE MATERIAL POSES A POTENTIAL INHALATION RISK TO WORKERS AND VISITORS ACCESSING THE STAMP MILL AREA.

**Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):**

MATERIAL WAS GENERALLY OBSERVED IN DEBRIS AND STAMP SAND ON THE EAST SIDE OF THE FOUNDATION

## TARGETED INSPECTION FORM



**OBSERVATIONS** (Including description and sketch) Inspector/Sampler: D. WEBER / M. CASTRO

**Circle the appropriate answer;**

Potential Physical Hazard: Yes ☒ No ☐ Potential Chemical Hazard: Yes ☒ No ☐  
Capped Area: Yes ☒ No ☐ Residual Process Material: Yes ☒ No ☐ Abandoned Container: Yes ☒ No ☐  
Stressed Vegetation: Yes ☒ No ☐ Visible Staining: Yes ☒ No ☐ Building Materials: Yes ☒ No ☐

**Describe Targeted Feature:**

GRAY WHITE WOVEN FABRIC, SIMILAR COMPOSITION TO A KNITED GARMENT, MATERIAL PARTIALLY BURIED IN STAMP SAND, DAMAGED AND FRAGILE

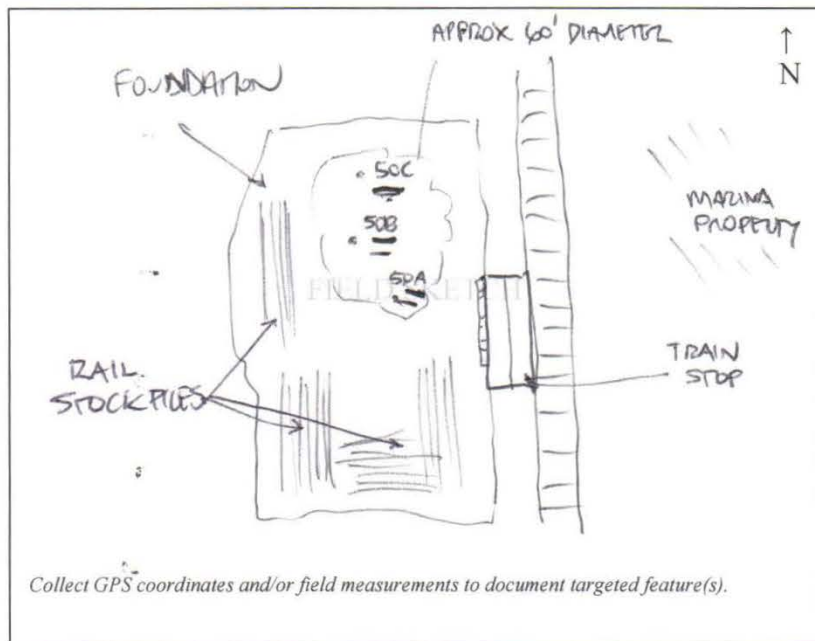
Sampling Activities (Sample Description, Sample Time, Requested Analyses):  
CML-ASBBUK 49A-003015 COLLECTED AT 1345

Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):  
THE MATERIAL POSES A POTENTIAL INHALATION RISK TO WORKERS AND VISITORS ACCESSING THE STAMP MILL AREA.

Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):  
MATERIAL WAS PARTIALLY BURIED IN STAMP SAND ON THE EAST SIDE OF THE FOUNDATION



**ABANDONED MINING WASTES TORCH LAKE NON-SUPERFUND SITE  
CALUMET AND HECLA – LAKE LINDEN OPERATIONS  
TARGETED INSPECTION FORM**



Inspection Date: 6/30/15 Feature Identification/Name: CALUMET STAMP MILL - DETACHED FOUNDATION

Geographic Area: LAKE LINDEN PROCESSING AREA Property Identification Number: 014-306-003-00

**OBSERVATIONS** (Including description and sketch) Inspector/Sampler: D. LIEBAU/M. CASTILLO

Circle the appropriate answer;

Potential Physical Hazard: ☒ Yes ☐ No Potential Chemical Hazard: Yes ☒ No  
Capped Area: Yes ☒ No Residual Process Material: Yes ☒ No Abandoned Container: Yes ☒ No  
Stressed Vegetation: Yes ☒ No Visible Staining: Yes ☒ No Building Materials: ☒ Yes ☐ No

**Describe Targeted Feature:**

BLACK ASPHALTIC ROOFING MATERIAL IS DISTRIBUTED IN SMALL FRAGMENTS AND PILES ACROSS THE SURFACE OF A DETACHED FOUNDATION AT THE PROPERTY

**Sampling Activities (Sample Description, Sample Time, Requested Analyses):**

CHLL-ASBBLK 50A - 063015, COLLECTED AT 1350  
CHLL-ASBBLK 50B - 063015, COLLECTED AT 1415  
CHLL-ASBBLK 50C - 063015, COLLECTED AT 1425

**Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):**

THE MATERIAL POSES A POTENTIAL INHALATION RISK TO WORKERS AND VISITORS. EVIDENCE OF TRESSPASSING, CAMP FIRE RESIDUE, WAS ALSO OBSERVED ON THE SLAB.

**Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):**

MATERIAL IS LOCATED ON A RAISED FOUNDATION AND THE SOUTHWEST CORNER IS ERODED AND BEING UNDERMINED; THE CONCRETE PAD IS PARTIALLY OVERGROWN WITH TREES

Hand-drawn map of a field site. The map shows a horizontal line with several circular features. To the left of the line is a wavy line labeled 'RAILROAD TRACKS'. The map is divided into sections by vertical lines. Various alphanumeric codes are marked on the map, including 53C, 42B, 47C, 53B, 51B, 52B, 53A, 42C, 46B, 41A, 42A, 43C, 51C, 43B, 41A, 42A, 44A, 41B, 43A, 43B, 45A, 46A, 40A, 31B, 43A, 41A, 42A. Arrows point to 'TRENCHES' and 'STAMP SAND'. A legend at the bottom identifies symbols for 'DELM' and 'LEVER/DEPOS'.



Inspection Date: 6/30/15 Feature Identification/Name CALUMET STAMP MILL

Geographic Area: LAKE LINCOLN PROCESSING AREA Property Identification Number: 014-300-003-00

**OBSERVATIONS** *(Including description and sketch)* Inspector/Sampler: D. LIEBAU / M. CASTRO

Potential Physical Hazard: Yes ☒ No ☐ Potential Chemical Hazard: Yes ☐ No ☒  
Capped Area: Yes ☒ No ☐ Residual Process Material: Yes ☐ No ☒ Abandoned Container: Yes ☐ No ☒  
Stressed Vegetation: Yes ☒ No ☐ Visible Staining: Yes ☒ No ☐ Building Materials: ☒ Yes ☐ No

Describe Targeted Feature:  
SEVERAL PIECES OF DENSE GRAY MINERAL-LIKE INSULATING BOARD WERE FOUND IN SEVERAL LOCATIONS RANGING IN SIZE 18"x36", 12"x12", AND 8"x2"; MATERIAL WAS 2-3" THICK WITH SOME HOLES AND METAL BRACKETS AFFIXED TO THE SURFACE, POSSIBLE ELECTRICAL APPLICATION?

Sampling Activities (Sample Description, Sample Time, Requested Analyses):  
CML-ASBBLK51A-063015, COLLECTED AT 1230  
CML-ASBBLK51B-063015, COLLECTED AT 1420  
CML-ASBBLK51C-063015, COLLECTED AT 1430

**Potential Exposure Pathways (*Ingestion, Inhalation, Direct Contact*):**

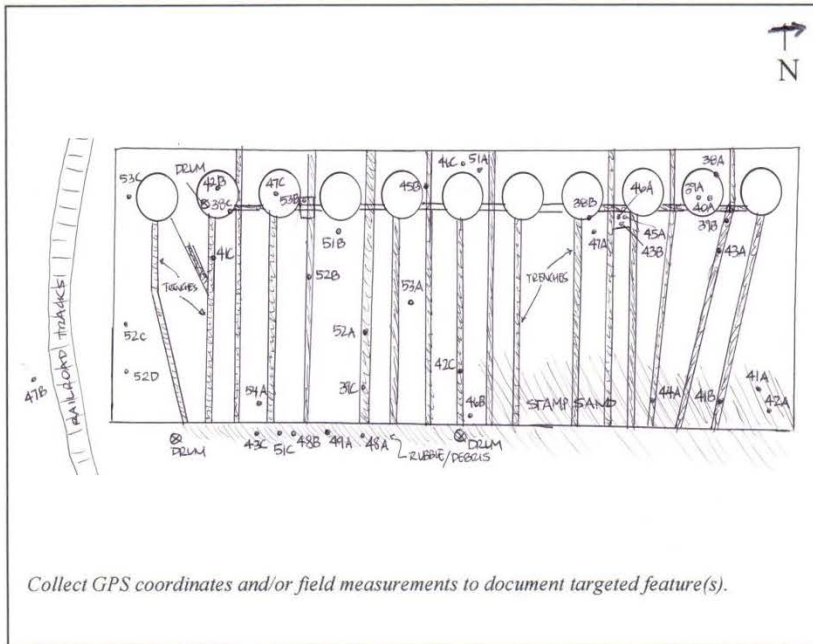
MATERIAL IS WEATHERED AND DAMAGED, BUT NOT FLUABLE. POTENTIAL RISKS TO INHALATION WOULD BE PRESENT TO WORKERS AND VISITORS IF THE MATERIAL WAS DAMAGED OR PULVERIZED

**Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):**

MATERIAL IS DENSE AND RELATIVELY RESILIENT.



**ABANDONED MINING WASTES TORCH LAKE NON-SUPERFUND SITE  
CALUMET AND HECLA – LAKE LINDEN OPERATIONS  
TARGETED INSPECTION FORM**



Inspection Date: 6/30/15 Feature Identification/Name: CALUMET STAMP MILL

Geographic Area: LAKE LINDEN PROCESSING AREA Property Identification Number: 014-306-003-00

**OBSERVATIONS** (Including description and sketch) Inspector/Sampler: D. LIEBAU / M. CASTILLO

**Circle the appropriate answer;**

Potential Physical Hazard: Yes ☒ No ☐ Potential Chemical Hazard: Yes ☒ No ☐  
Capped Area: Yes ☒ No ☐ Residual Process Material: Yes ☒ No ☐ Abandoned Container: Yes ☒ No ☐  
Stressed Vegetation: Yes ☒ No ☐ Visible Staining: Yes ☒ No ☐ Building Materials: ☒ Yes ☐ No

**Describe Targeted Feature:**

WHITE COATED PAPER BOARD, SIMILAR TO FIBER BOARD BUT NOT AS THICK, OCCASIONAL RED OR BLUE BACKING ON OBSERVED MATERIALS. GENERALLY OBSERVED ACROSS THE FOUNDATION/FLOOR BUT LIKELY MORE CONCENTRATED AT THE SOUTH END OF THE MILL.

**Sampling Activities (Sample Description, Sample Time, Requested Analyses):**

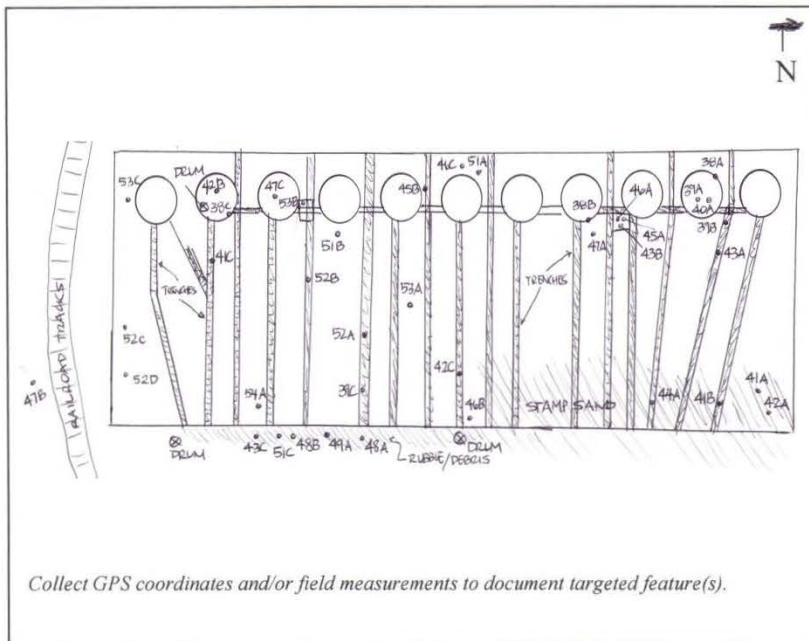
CHLL-ASBBLK 52A-063015, COLLECTED AT 1015  
CHLL-ASBBLK 52B-063015, COLLECTED AT 1050  
CHLL-ASBBLK 52C-063015, COLLECTED AT 1200  
CHLL-ASBBLK 52D-063015, COLLECTED AT 1325

**Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):**

MATERIAL IS WEATHERED, DAMAGED, AND RELIABLE POSING A POTENTIAL INHALATION RISK TO WORKERS AND VISITORS; THE MATERIAL IS PAPERLIKE AND SUSCEPTIBLE TO CONTINUED

**Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):** DEGRADATION BY WIND AND WATER

**ABANDONED MINING WASTES TORCH LAKE NON-SUPERFUND SITE  
CALUMET AND HECLA – LAKE LINDEN OPERATIONS  
TARGETED INSPECTION FORM**



Inspection Date: 6/30/15 Feature Identification/Name: CALUMET STAMP MILL

Geographic Area: LAKE LINDEN PROCESSING AREA Property Identification Number: 014-306-003-00

**OBSERVATIONS** (Including description and sketch) Inspector/Sampler: D. UEBBAY / M. CASTILLO

Circle the appropriate answer;

Potential Physical Hazard: ☒ Yes ☐ No Potential Chemical Hazard: Yes ☒ No  
Capped Area: Yes ☒ No Residual Process Material: Yes ☒ No Abandoned Container: Yes ☒ No  
Stressed Vegetation: Yes ☒ No Visible Staining: Yes ☒ No Building Materials: ☒ Yes ☐ No

**Describe Targeted Feature:**

BRIGHT YELLOW FRAGMENTS OF FIRE BRICK LABELED "A.P.G EMP" MATERIAL WAS NOT ABUNDANT, BUT LOCATED IN VARIOUS LOCATIONS ACROSS THE STAMP MILL FLOOR.

**Sampling Activities (Sample Description, Sample Time, Requested Analyses):**

CHL-ASBBLK 53A-063015, COLLECTED AT 1255

CHL-ASBBLK 53B-063015, COLLECTED AT 1310

CHL-ASBBLK 53C-063015, COLLECTED AT 1410

**Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):**

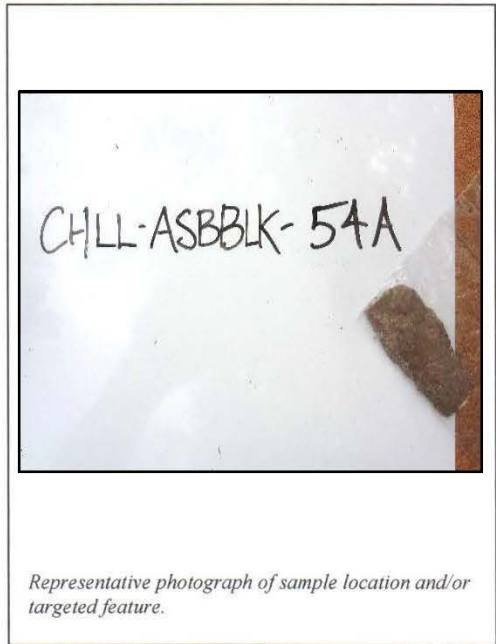
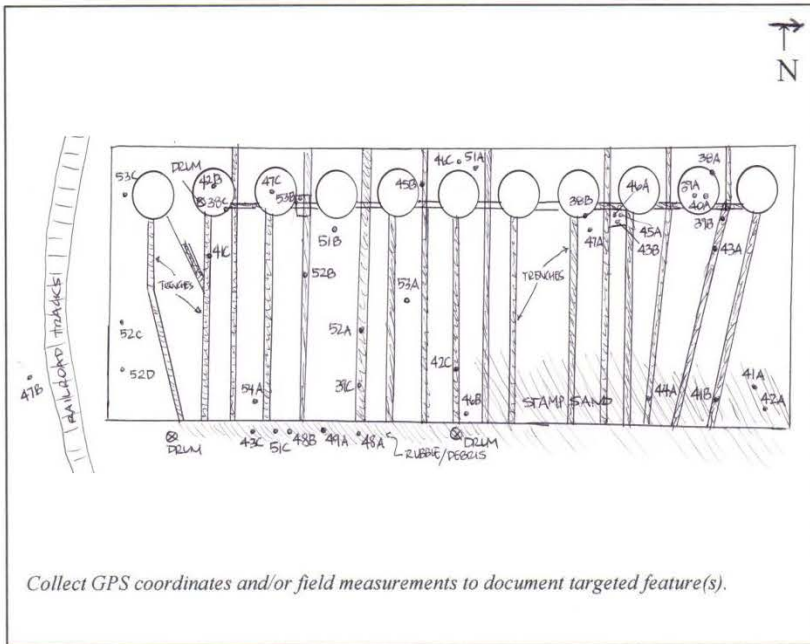
MATERIAL IS DAMAGED AND WEATHERED, BUT GENERALLY NOT FRIABLE, MAY POSE POTENTIAL INHALATION RISK TO WORKERS OR VISITORS IF DAMAGED OR FRIABLE.

**Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):**

FRAGMENTS OF MATERIAL MAY BE FOUND IN EARTHEN BRIMS AND SURROUNDING THE STAMP MILL AREA AS WELL AS TRENCHES IN THE STAMP MILL FLOOR.



**ABANDONED MINING WASTES TORCH LAKE NON-SUPERFUND SITE  
CALUMET AND HECLA – LAKE LINDEN OPERATIONS  
TARGETED INSPECTION FORM**



Inspection Date: 6/30/15 Feature Identification/Name CALUMET STAMP MILL

Geographic Area: LAKE LINDEN PROCESSING AREA Property Identification Number: 014-306-003-00

**OBSERVATIONS** (Including description and sketch) Inspector/Sampler: D. LEBLANC/M. CASTILLO

**Circle the appropriate answer;**

Potential Physical Hazard: Yes ☒ No ☐ Potential Chemical Hazard: Yes ☒ No ☐

Capped Area: Yes ☒ No ☐ Residual Process Material: Yes ☒ No ☐ Abandoned Container: Yes ☒ No ☐

Stressed Vegetation: Yes ☒ No ☐ Visible Staining: Yes ☒ No ☐ Building Materials: ☒ Yes ☐ No

**Describe Targeted Feature:**

GRAYISH WHITE FLOORING PASTER, APPEARS TO BE A VENEER OVER UNDERLYING CONCRETE, OBSERVED IN THE SOUTH HALF OF THE STAMP MILL FLOOR

**Sampling Activities (Sample Description, Sample Time, Requested Analyses):**

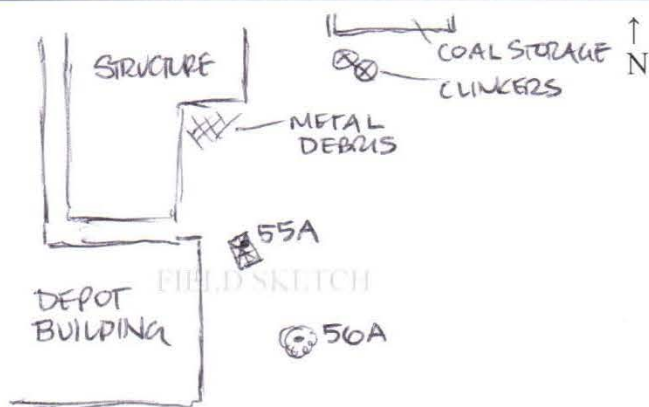
CHLL-ASBBLK54A-063015 COLLECTED AT 1330

**Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):**

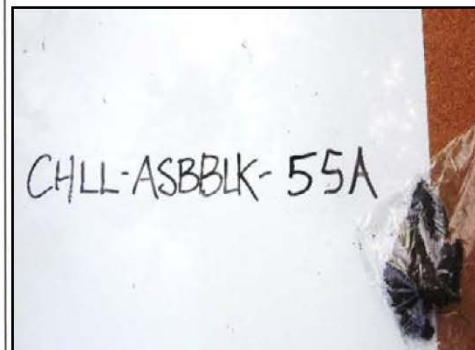
BRITTLE AND WEATHERED, MATERIAL COULD POSE AN INHALATION RISK TO WORKERS AND VISITORS ACCESSING THE STAMP MILL AREA.

**Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):**

**ABANDONED MINING WASTES TORCH LAKE NON-SUPERFUND SITE  
CALUMET AND HECLA – LAKE LINDEN OPERATIONS  
TARGETED INSPECTION FORM**



Collect GPS coordinates and/or field measurements to document targeted feature(s).



Representative photograph of sample location and/or targeted feature.

Inspection Date: 6/30/15 Feature Identification/Name CALUMET STAMP MILL / HISTORICAL MUSEUM

Geographic Area: LAKE LINDEN PROCESSING AREA Property Identification Number: 014-306-003-00

**OBSERVATIONS** (Including description and sketch) Inspector/Sampler: D. LIEBAU / M. CASTILLO

Circle the appropriate answer;

Potential Physical Hazard: Yes ☒ No ☒ Potential Chemical Hazard: Yes ☒ No ☒  
Capped Area: Yes ☒ No ☒ Residual Process Material: Yes ☒ No ☒ Abandoned Container: Yes ☒ No ☒  
Stressed Vegetation: Yes ☒ No ☒ Visible Staining: Yes ☒ No ☒ Building Materials: Yes ☒ No ☒

**Describe Targeted Feature:**

MATERIAL 55A IS A SMALL PILE (3' DIAMETER) OF BLACK ASPHALTIC ROOFING MATERIAL; MATERIAL 56A IS A WHITE FIBROUS INSULATING MATERIAL - SMALL PILE 1-2' IN DIAMETER

**Sampling Activities (Sample Description, Sample Time, Requested Analyses):**

CHLL-ASBBLK55A-063015 COLLECTED AT 1350  
CHLL-ASBBLK56A-063015, COLLECTED AT 1355

**Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):**

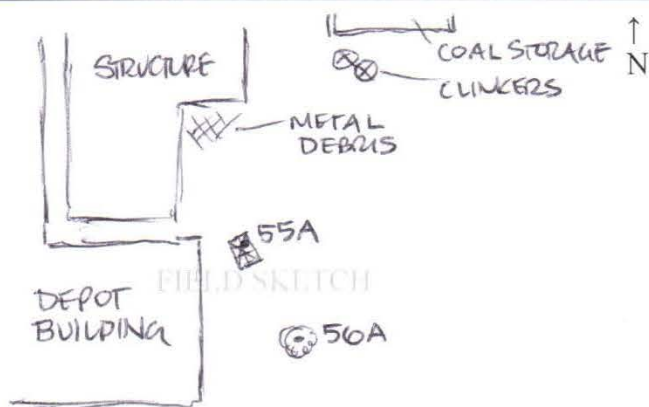
THERE ARE POTENTIAL RISKS TO WORKERS AND VISITORS FROM AN INHALATION STANDPOINT IF THE WEATHERED MATERIALS ARE DISTURBED - FOR INSTANCE DURING LAWN MAINTENANCE

**Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):**

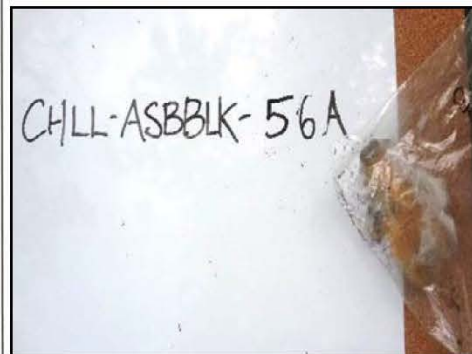
THIS MATERIAL IS LOCATED IN THE OPERATING PORTION OF THE HISTORICAL MUSEUM, ACCESSIBLE BY VISITORS, WORKERS, AND TREE PASSERS



**ABANDONED MINING WASTES TORCH LAKE NON-SUPERFUND SITE  
CALUMET AND HECLA – LAKE LINDEN OPERATIONS  
TARGETED INSPECTION FORM**



Collect GPS coordinates and/or field measurements to document targeted feature(s).



Representative photograph of sample location and/or targeted feature.

Inspection Date: 6/30/15 Feature Identification/Name CALUMET STAMP MILL / HISTORICAL MUSEUM

Geographic Area: LAKE LINDEN PROCESSING AREA Property Identification Number: 014-306-003-00

**OBSERVATIONS** (Including description and sketch) Inspector/Sampler: D. LIEBAU / M. CASTILLO

Circle the appropriate answer;

Potential Physical Hazard: Yes ☒ No ☒ Potential Chemical Hazard: Yes ☒ No ☒  
Capped Area: Yes ☒ No ☒ Residual Process Material: Yes ☒ No ☒ Abandoned Container: Yes ☒ No ☒  
Stressed Vegetation: Yes ☒ No ☒ Visible Staining: Yes ☒ No ☒ Building Materials: Yes ☒ No ☒

**Describe Targeted Feature:**

MATERIAL 55A IS A SMALL PILE (3' DIAMETER) OF BLACK ASPHALTIC ROOFING MATERIAL; MATERIAL 56A IS A WHITE FIBROUS INSULATING MATERIAL - SMALL PILE 1-2' IN DIAMETER

**Sampling Activities (Sample Description, Sample Time, Requested Analyses):**

CHLL-ASBBLK55A-063015 COLLECTED AT 1350  
CHLL-ASBBLK56A-063015, COLLECTED AT 1355

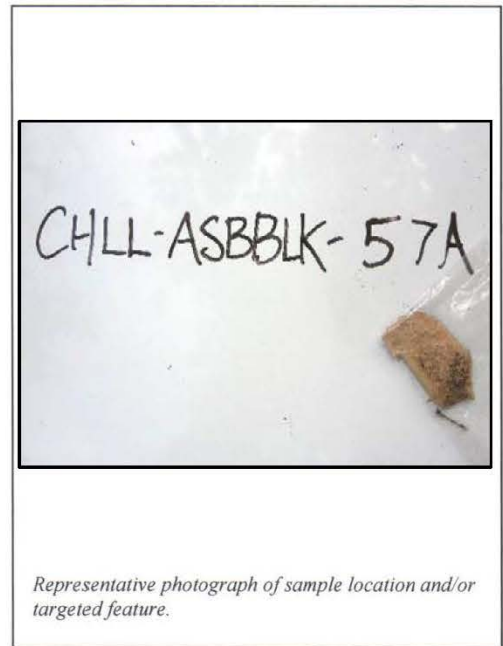
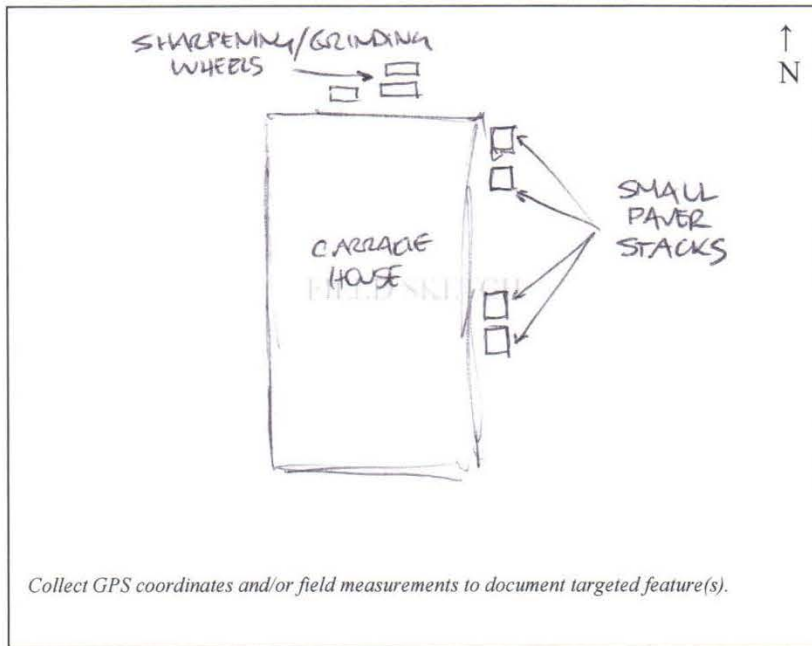
**Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):**

THERE ARE POTENTIAL RISKS TO WORKERS AND VISITORS FROM AN INHALATION STANDPOINT IF THE WEATHERED MATERIALS ARE DISTURBED - FOR INSTANCE DURING LAWN MAINTENANCE

**Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):**

THIS MATERIAL IS LOCATED IN THE OPERATING PORTION OF THE HISTORICAL MUSEUM, ACCESSIBLE BY VISITORS, WORKERS, AND TRESS PASSELS

**ABANDONED MINING WASTES TORCH LAKE NON-SUPERFUND SITE  
CALUMET AND HECLA - LAKE LINDEN OPERATIONS  
TARGETED INSPECTION FORM**



Inspection Date: 4/30/15 Feature Identification/Name: CALUMET STAMP MILL / HISTORICAL MUSEUM

Geographic Area: LAKE LINDEN PROCESSING AREA Property Identification Number: 014-306-003-00

**OBSERVATIONS** (Including description and sketch) Inspector/Sampler: D. UEBAN / M. CASTILLO

Circle the appropriate answer;

Potential Physical Hazard: Yes ☒ No ☐ Potential Chemical Hazard: Yes ☒ No ☐  
Capped Area: Yes ☒ No ☐ Residual Process Material: Yes ☒ No ☐ Abandoned Container: Yes ☒ No ☐  
Stressed Vegetation: Yes ☒ No ☐ Visible Staining: Yes ☒ No ☐ Building Materials: Yes ☒ No ☐

**Describe Targeted Feature:**

YELLOW CERAMIC PAVES WITH BROWN GLAZE, MATERIALS ARE STOCKPILED ALONG TWO BUILDINGS AT THE HISTORICAL MUSEUM. PAVES APPEAR NEW, BUT HAVE THE POTENTIAL TO BE MINING ERA.

**Sampling Activities (Sample Description, Sample Time, Requested Analyses):**

CHLL-ASBBLK 57A - 043015, COLLECTED AT: 1400

SAMPLE COLLECTED FROM A BROKEN FRAGMENT ON THE GROUND - NO PAVES WERE DAMAGED

**Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):**

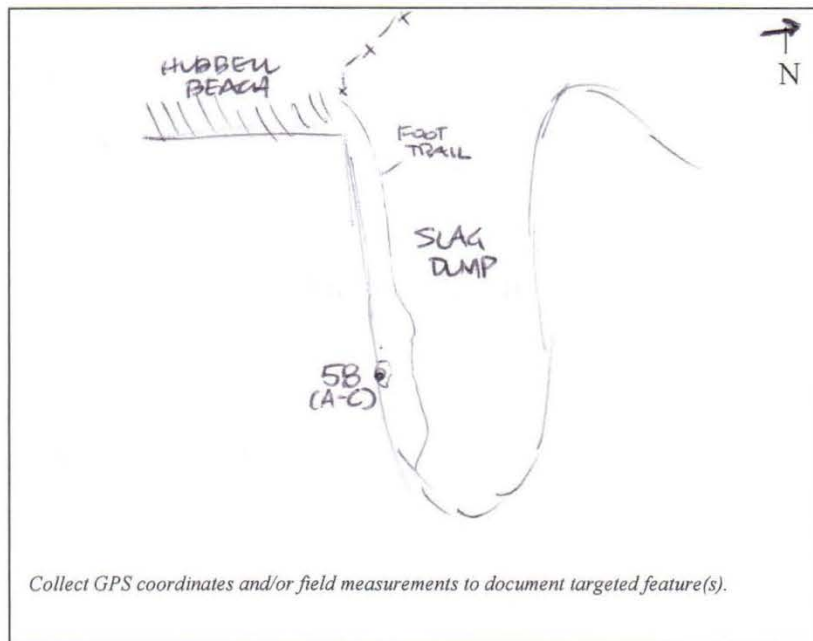
DAMAGE OR PULVERIZATION OF THE MATERIAL COULD POSE AN INHALATION RISK TO VISITORS AND WORKERS.

**Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):**

THESE MATERIAL STACKS ARE LOCATED IN THE UPPER PORTION OF THE PROPERTY, ACCESSIBLE BY VISITORS AND WORKERS



**ABANDONED MINING WASTES TORCH LAKE NON-SUPERFUND SITE  
CALUMET AND HECLA – LAKE LINDEN OPERATIONS  
TARGETED INSPECTION FORM**



Representative photograph of sample location and/or targeted feature.

Inspection Date: 7/1/15 Feature Identification/Name: HUBBELL SLAG DUMP

Geographic Area: HUBBELL BEACH; SLAG DUMP Property Identification Number: UNKNOWN

**OBSERVATIONS** (Including description and sketch) Inspector/Sampler: D. LEBLANC / M. CASTILLO

Circle the appropriate answer;

Potential Physical Hazard: ☒ Yes ☐ No Potential Chemical Hazard: Yes ☒ No  
Capped Area: ☒ Yes ☐ No Residual Process Material: Yes ☒ No Abandoned Container: Yes ☒ No  
Stressed Vegetation: Yes ☒ No Visible Staining: Yes ☒ No Building Materials: ☒ Yes ☐ No

**Describe Targeted Feature:**

MATERIAL IS A DEPOSIT OF ASPHALTIC ROOFING, MATERIAL AND DEBRIS COVERS APPROXIMATELY 6'x6' AREA; LOCATED 3' TO 5' ABOVE THE SURFACE WATER INTERFACE

**Sampling Activities (Sample Description, Sample Time, Requested Analyses):**

CHLL-ASBBLK 58A-070115, COLLECTED AT 0800  
CHLL-ASBBLK 58B-070115, COLLECTED AT 0800  
CHLL-ASBBLK-58C-070115, COLLECTED AT 0800  
THREE REPRESENTATIVE SAMPLES WERE COLLECTED FROM THE SINGLE DEPOSIT

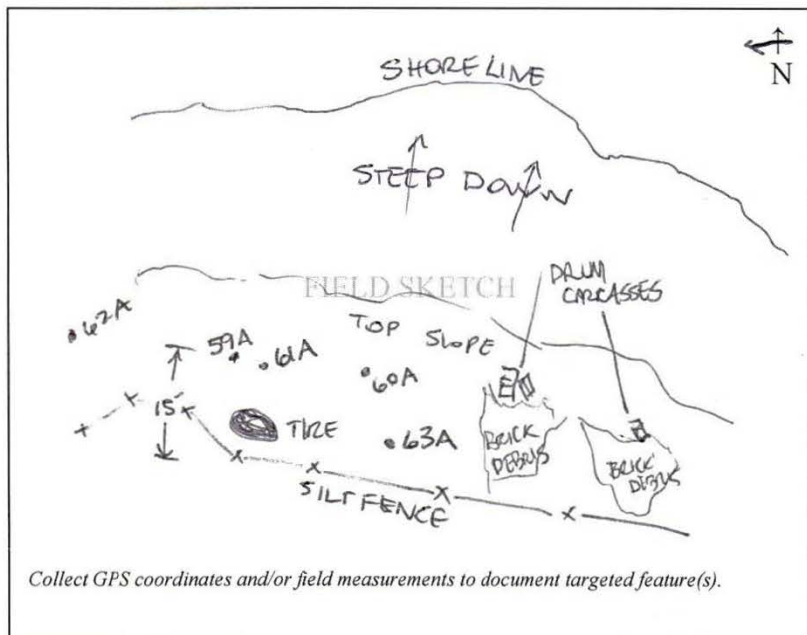
**Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):**

MATERIAL IS WEATHERED AND FRIABLE, THE ASPHALTIC NATURE OF THE MATERIAL MAKES IT SOMEWHAT COHESIVE; EXPOSURE RISKS ARE POTENTIALLY RELATED TO INHALATION AND DIRECT CONTACT HAZARDS

**Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):**

ACCESS TO THE LOCATION IS DIFFICULT, DOWN A VERY STEEP EMBANKMENT, MATERIAL IS PROTRUDING FROM THE HILLSIDE ROUGHLY 3-5' ABOVE THE LAKE LEVEL

**ABANDONED MINING WASTES TORCH LAKE NON-SUPERFUND SITE  
CALUMET AND HECLA - LAKE LINDEN OPERATIONS  
TARGETED INSPECTION FORM**



Inspection Date: 7/1/15 Feature Identification/Name: HECLA STAMP MILL

Geographic Area: LAKE LINDEN PROCESSING AREA Property Identification Number: 014-306-004-00  
014-307-004-00

OBSERVATIONS (Including description and sketch) Inspector/Sampler: D. UEBAN / M. CASTILLO

Circle the appropriate answer;

Potential Physical Hazard: Yes ☒ No ☐ Potential Chemical Hazard: Yes ☒ No ☐  
Capped Area: Yes ☒ Residual Process Material: Yes ☒ Abandoned Container: ☒ Yes ☐ No  
Stressed Vegetation: ☒ Yes ☐ No Visible Staining: Yes ☒ No Building Materials: ☒ Yes ☐ No

Describe Targeted Feature:

AREA WITH VARIOUS TYPES OF DEBRIS EAST OF THE CAP LIMITS. MATERIAL 59A IS WHITE FIBROUS MATERIAL, SUSPECT 'TSI'; MATERIAL 60A IS SUSPECT TRANSITE AND MATERIAL 61A IS A FIBROUS ROPE MATERIAL

Sampling Activities (Sample Description, Sample Time, Requested Analyses):

CHLL-ASBBLK 59A - 070115, COLLECTED AT 1230  
CHLL-ASBBLK 60A - 070115, COLLECTED AT 1235  
CHLL-ASBBLK 61A - 070115, COLLECTED AT 1238

Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

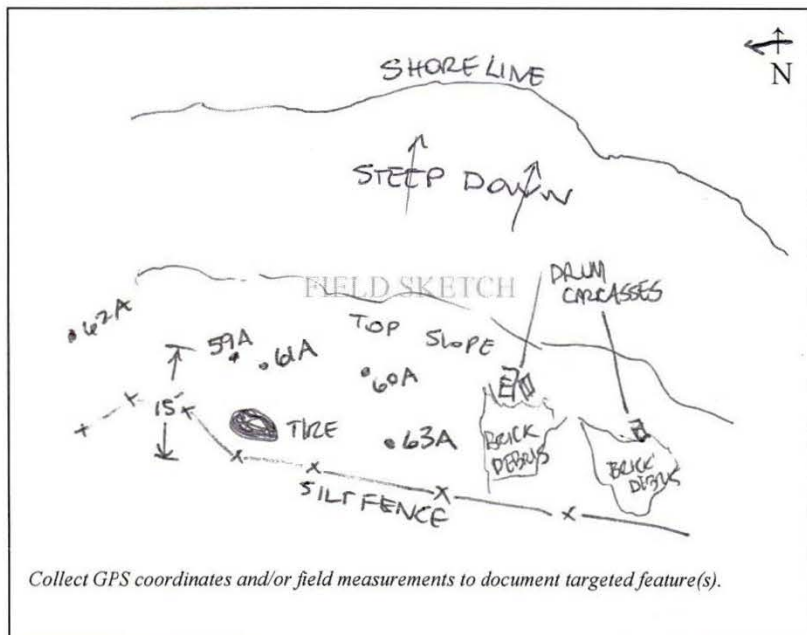
AREA IS EXPOSED AT THE TOP OF A STEEP SLOPE MAKING IT SUSCEPTIBLE TO WIND AND WATER EROSION. POTENTIAL RISKS ARE PRESENT TO TRESPASSERS VIA THE INHALATION EXPOSURE PATHWAY

Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):

MATERIALS ARE LOCATED ON A RELATIVELY GENTLE SLOPE EAST OF THE EXISTING CAP AND WEST OF THE STEEP SLOPE DOWN TO THE SHORELINE OF TORCH LAKE; SEVERAL DRUM CARCASSES EXPOSED



**ABANDONED MINING WASTES TORCH LAKE NON-SUPERFUND SITE  
CALUMET AND HECLA - LAKE LINDEN OPERATIONS  
TARGETED INSPECTION FORM**



Inspection Date: 7/1/15 Feature Identification/Name: HECLA STAMP MILL

Geographic Area: LAKE LINDEN PROCESSING AREA Property Identification Number: 014-306-004-00  
014-307-004-00

**OBSERVATIONS** (Including description and sketch) Inspector/Sampler: D. UEBAN / M. CASTILLO

Circle the appropriate answer;

Potential Physical Hazard: Yes ☒ No ☐ Potential Chemical Hazard: Yes ☒ No ☐  
Capped Area: Yes ☒ No ☐ Residual Process Material: Yes ☒ No ☐ Abandoned Container: ☒ Yes ☐ No  
Stressed Vegetation: ☒ Yes ☐ No Visible Staining: Yes ☒ No ☐ Building Materials: ☒ Yes ☐ No

**Describe Targeted Feature:**

AREA WITH VARIOUS TYPES OF DEBRIS EAST OF THE CAP LIMITS. MATERIAL 59A IS WHITE FIBROUS MATERIAL, SUSPECT 'TSI'; MATERIAL 60A IS SUSPECT TRANSITE AND MATERIAL 61A IS A FIBROUS ROPE MATERIAL

**Sampling Activities (Sample Description, Sample Time, Requested Analyses):**

CHLL-ASBBLK 59A - 070115, COLLECTED AT 1230  
CHLL-ASBBLK 60A - 070115, COLLECTED AT 1235  
CHLL-ASBBLK 61A - 070115, COLLECTED AT 1238

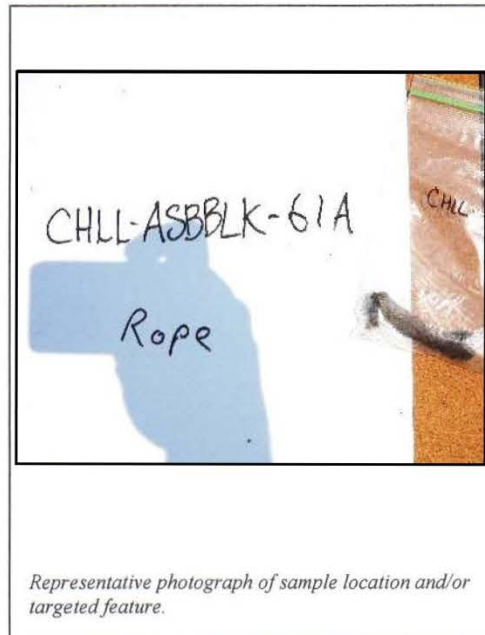
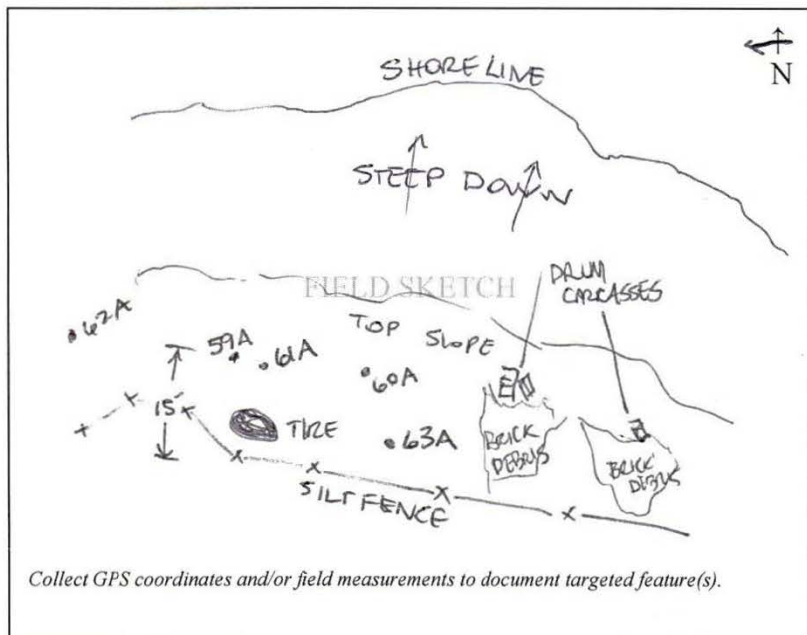
**Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):**

AREA IS EXPOSED AT THE TOP OF A STEEP SLOPE MAKING IT SUSCEPTIBLE TO WIND AND WATER EROSION. POTENTIAL RISKS ARE PRESENT TO TRESPASSERS VIA THE INHALATION EXPOSURE PATHWAY

**Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):**

MATERIALS ARE LOCATED ON A RELATIVELY GENTLE SLOPE EAST OF THE EXISTING CAP AND WEST OF THE STEEP SLOPE DOWN TO THE SHORELINE OF TORCH LAKE; SEVERAL DRUM CARCASSES EXPOSED

**ABANDONED MINING WASTES TORCH LAKE NON-SUPERFUND SITE  
CALUMET AND HECLA - LAKE LINDEN OPERATIONS  
TARGETED INSPECTION FORM**



Inspection Date: 7/1/15 Feature Identification/Name: HECLA STAMP MILL

Geographic Area: LAKE LINDEN PROCESSING AREA Property Identification Number: 014-306-004-00  
014-307-004-00

OBSERVATIONS (Including description and sketch) Inspector/Sampler: D. UEBAN / M. CASTILLO

Circle the appropriate answer;

Potential Physical Hazard: Yes ☒ No ☐ Potential Chemical Hazard: Yes ☒ No ☐  
Capped Area: Yes ☒ No ☐ Residual Process Material: Yes ☒ No ☐ Abandoned Container: ☒ Yes ☐ No  
Stressed Vegetation: ☒ Yes ☐ No Visible Staining: Yes ☒ No ☐ Building Materials: ☒ Yes ☐ No

Describe Targeted Feature:

AREA WITH VARIOUS TYPES OF DEBRIS EAST OF THE CAP LIMITS. MATERIAL 59A IS WHITE FIBROUS MATERIAL, SUSPECT 'TSI'; MATERIAL 60A IS SUSPECT TRANSITE AND MATERIAL 61A IS A FIBROUS ROPE MATERIAL

Sampling Activities (Sample Description, Sample Time, Requested Analyses):

CHLL-ASBBLK 59A - 070115, COLLECTED AT 1230  
CHLL-ASBBLK 60A - 070115, COLLECTED AT 1235  
CHLL-ASBBLK 61A - 070115, COLLECTED AT 1238

Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

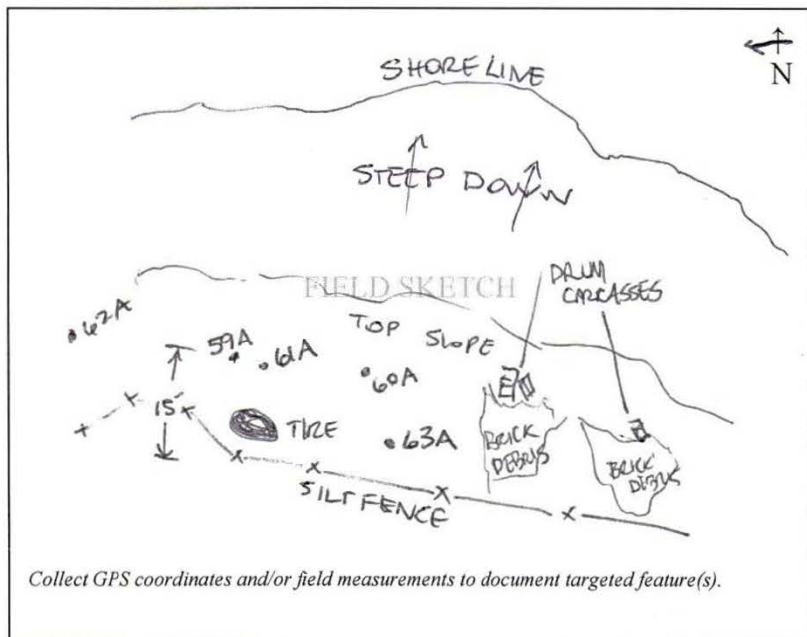
AREA IS EXPOSED AT THE TOP OF A STEEP SLOPE MAKING IT SUSCEPTIBLE TO WIND AND WATER EROSION. POTENTIAL RISKS ARE PRESENT TO TRESPASSERS VIA THE INHALATION EXPOSURE PATHWAY

Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):

MATERIALS ARE LOCATED ON A RELATIVELY GENTLE SLOPE EAST OF THE EXISTING CAP AND WEST OF THE STEEP SLOPE DOWN TO THE SHORELINE OF TORCH LAKE; SEVERAL DRUM CARCASSES EXPOSED



**ABANDONED MINING WASTES TORCH LAKE NON-SUPERFUND SITE  
CALUMET AND HECLA – LAKE LINDEN OPERATIONS  
TARGETED INSPECTION FORM**



Inspection Date: 7/1/15 Feature Identification/Name: HECLA STAMP MILL

Geographic Area: LAKE LINDEN PROCESSING AREA Property Identification Number: 014-306-004-00  
014-307-004-00

**OBSERVATIONS** (Including description and sketch) Inspector/Sampler: D. LIEBAU / M. CASTILLO

Circle the appropriate answer;

Potential Physical Hazard: Yes ☒ No ☐ Potential Chemical Hazard: Yes ☒ No ☐  
Capped Area: Yes ☒ No ☐ Residual Process Material: Yes ☒ No ☐ Abandoned Container: ☒ Yes ☐ No ☐  
Stressed Vegetation: ☒ Yes ☐ No ☐ Visible Staining: Yes ☒ No ☐ Building Materials: ☒ Yes ☐ No ☐

**Describe Targeted Feature:**

AREA WITH VARIOUS TYPES OF DEBRIS EAST OF THE CAP LIMITS. MATERIAL 62A IS BLACK ASPHALTIC ROOFING MATERIAL. MATERIAL 63A IS A GRAYISH WHITE TRANSITE FRAGMENT

**Sampling Activities (Sample Description, Sample Time, Requested Analyses):**

CHLL-ASBBLK 62A-070115, COLLECTED AT 1240  
CHLL-ASBBLK 63A-070115, COLLECTED AT 1245

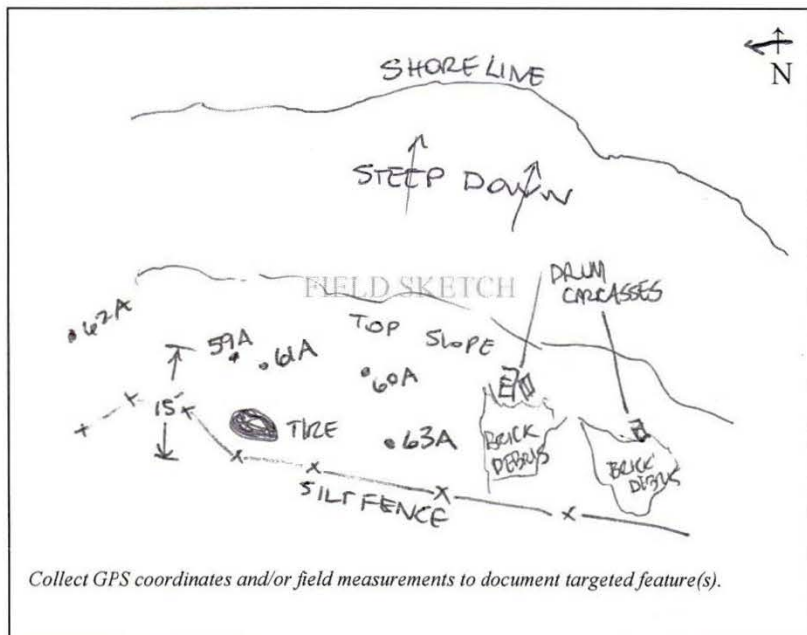
**Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):**

AREA IS EXPOSED AT THE TOP OF A STEEP SLOPE MAKING IT SUSCEPTIBLE TO WIND AND WATER EROSION. TRESSPASSERS AND WORKERS OR OCCUPANTS COULD BE EXPOSED TO POTENTIAL INHALATION RISKS

**Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):**

MATERIALS ARE LOCATED ON A RELATIVELY GENTLE SLOPE EAST OF THE EXISTING CAP AND WEST OF THE STEEP SLOPE DOWN TO THE SHORELINE OF TORCH LAKE; DRUM CARCASSES ARE PRESENT IN THE VICINITY

**ABANDONED MINING WASTES TORCH LAKE NON-SUPERFUND SITE  
CALUMET AND HECLA – LAKE LINDEN OPERATIONS  
TARGETED INSPECTION FORM**



Inspection Date: 7/1/15 Feature Identification/Name: HECLA STAMP MILL

Geographic Area: LAKE LINDEN PROCESSING AREA Property Identification Number: 014-306-004-00  
014-307-004-00

**OBSERVATIONS** (Including description and sketch) Inspector/Sampler: D. LIEBAU / M. CASTILLO

Circle the appropriate answer;

Potential Physical Hazard: Yes ☒ No ☐ Potential Chemical Hazard: Yes ☒ No ☐  
Capped Area: Yes ☒ No ☐ Residual Process Material: Yes ☒ No ☐ Abandoned Container: ☒ Yes ☐ No  
Stressed Vegetation: ☒ Yes ☐ No Visible Staining: Yes ☒ No ☐ Building Materials: ☒ Yes ☐ No

**Describe Targeted Feature:**

AREA WITH VARIOUS TYPES OF DEBRIS EAST OF THE CAP LIMITS. MATERIAL 62A IS BLACK ASPHALTIC ROOFING MATERIAL. MATERIAL 63A IS A GRAYISH WHITE TRANSITE FRAGMENT

**Sampling Activities (Sample Description, Sample Time, Requested Analyses):**

CHLL-ASBBLK 62A-070115, COLLECTED AT 1240  
CHLL-ASBBLK 63A-070115, COLLECTED AT 1245

**Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):**

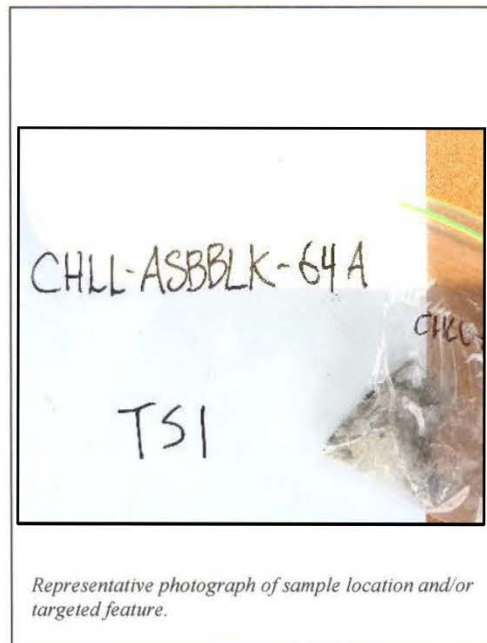
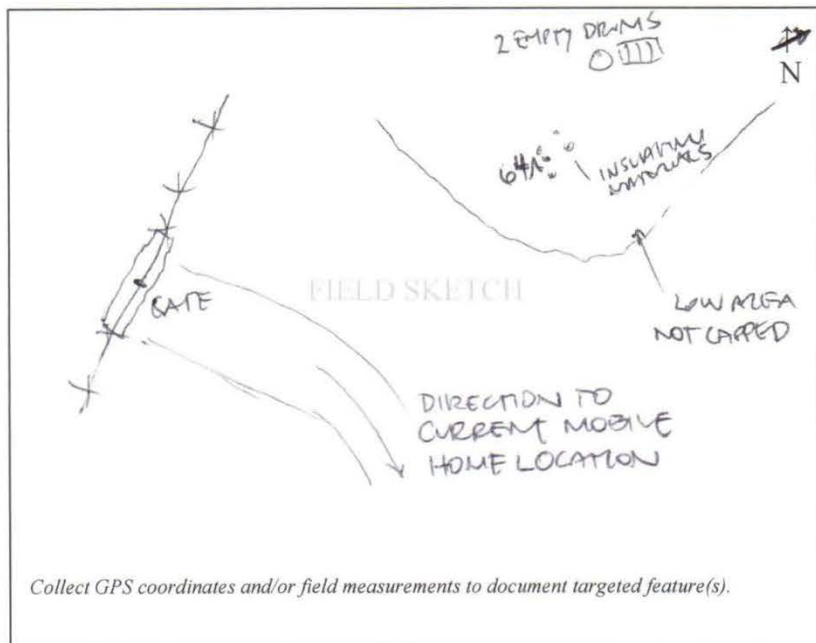
AREA IS EXPOSED AT THE TOP OF A STEEP SLOPE MAKING IT SUSCEPTIBLE TO WIND AND WATER EROSION. TRESSPASSERS AND WORKERS OR OCCUPANTS COULD BE EXPOSED TO POTENTIAL INHALATION RISKS

**Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):**

MATERIALS ARE LOCATED ON A RELATIVELY GENTLE SLOPE EAST OF THE EXISTING CAP AND WEST OF THE STEEP SLOPE DOWN TO THE SHORELINE OF TORCH LAKE; DRUM CARCASSES ARE PRESENT IN THE VICINITY



**ABANDONED MINING WASTES TORCH LAKE NON-SUPERFUND SITE  
CALUMET AND HECLA – LAKE LINDEN OPERATIONS  
TARGETED INSPECTION FORM**



Inspection Date: 7/1/15 Feature Identification/Name: POWER PLANT/HECLA STAMP MILL

Geographic Area: LAKE LINDEN PROCESSING MEA Property Identification Number: 014-307-004-00

**OBSERVATIONS** (Including description and sketch) Inspector/Sampler: D. LIEBOW / M. CASTILLO

Circle the appropriate answer;

Potential Physical Hazard: Yes ☒ No ☐ Potential Chemical Hazard: Yes ☒ No ☐  
Capped Area: Yes ☒ No ☐ Residual Process Material: ☒ Yes ☐ No ☐ Abandoned Container: ☒ Yes ☐ No ☐  
Stressed Vegetation: ☒ Yes ☐ No ☐ Visible Staining: Yes ☒ No ☐ Building Materials: ☒ Yes ☐ No ☐

**Describe Targeted Feature:**

WHITE FIBROUS INSULATING MATERIAL, APPEARS "CLUMPY" IN DOLLOPS ON THE GROUND SURFACE

**Sampling Activities (Sample Description, Sample Time, Requested Analyses):**

CHLL-ASBBLK 64A-070115 COLLECTED AT 1300

**Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):**

MATERIAL IS EXPOSED TO WIND AND WATER EROSION; TRESSPASSERS AND OCCUPANTS COULD BE EXPOSED TO INHALATION HAZARDS. ACCESS TO THE DRUMS/FUEL TANK COULD RESULT IN DISTURBANCE OF THE MATERIAL  
**Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):**  
TWO EMPTY DRUMS AND A FUEL STORAGE TANK WERE PRESENT IN THE VICINITY; LOCATED ALONG THE TREE LINE IN A LOW LYING AREA COMPRISED OF STAMP SANDS