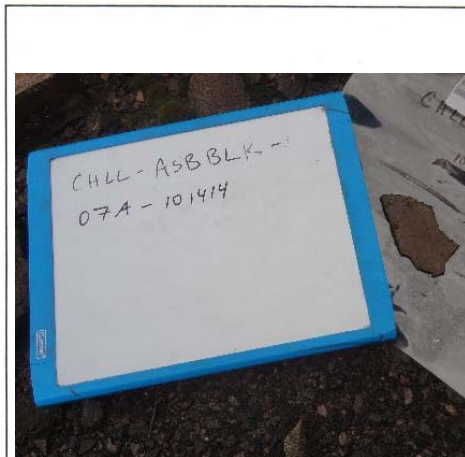
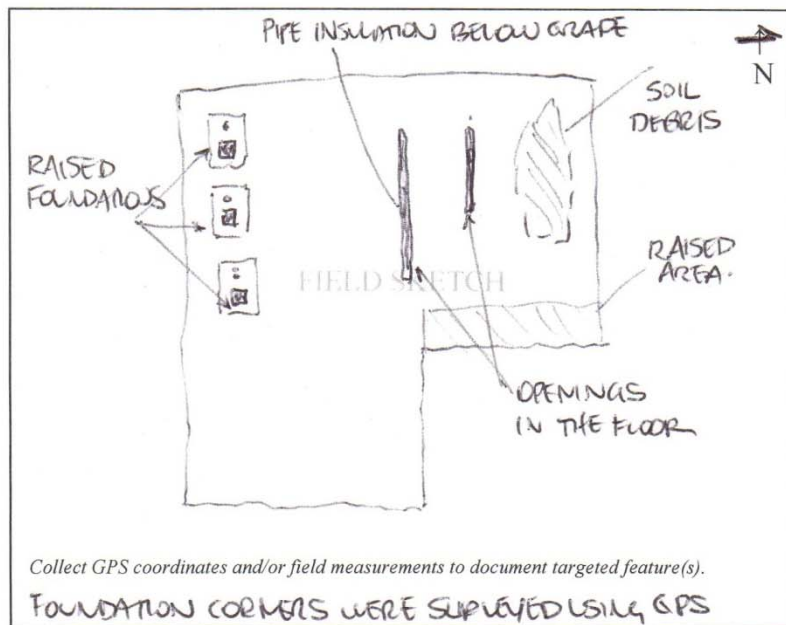


**ABANDONED MINING WASTES TORCH LAKE NON-SUPERFUND SITE
CALUMET AND HECLA - LAKE LINDEN OPERATIONS
TARGETED INSPECTION FORM**



Representative photograph of sample location and/or targeted feature.

Inspection Date: 10/14/14 Feature Identification/Name COAL DOCK SUBSTATION
Geographic Area: HUBBEL COAL DOCK Property Identification Number: 014.307.001-25

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

Circle the appropriate answer;

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

Describe Targeted Feature:

RAISED SLAB, APPROX 3-4' ABOVE GRADE, HOLLOW BENEATH SLAB, VOIDS LOCATED IN FLOOR, METAL DEBRIS NORTHEAST CORNER, PIPING AND ELECTRICAL CONDUIT PRESENT BELOW SLAB

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

CEMENTITIOUS MATERIAL - GRAY/BROWN, PLASTER-LIKE CHL-ASBBLK10-101414
SAMPLES COLLECTED BETWEEN 0830 AND 0930

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

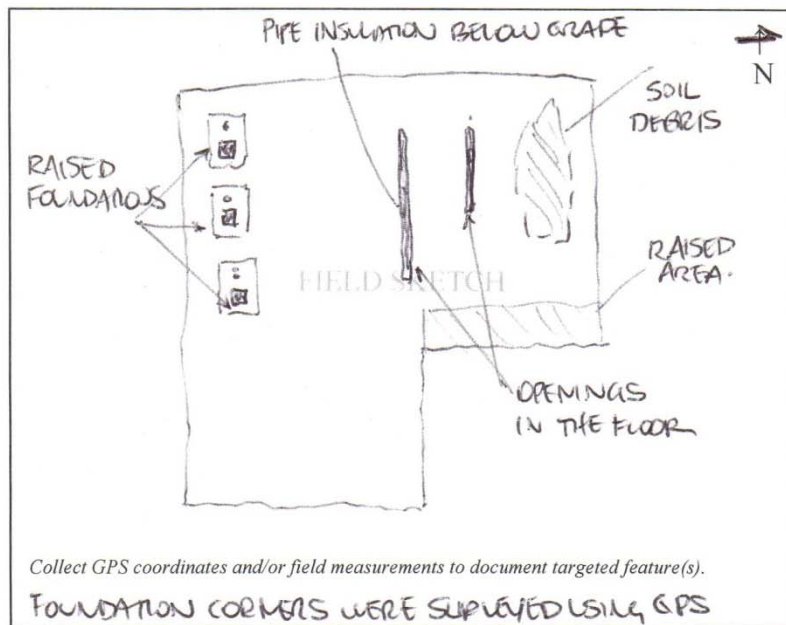
MATERIALS ARE SPREAD ACROSS SLAB SURFACE, POTENTIAL EXPOSURE TO TRESPASSERS DUE TO SACM AND PHYSICAL HAZARDS/VOIDS

Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts): CHL-ASBBLK-07A-101414

ROOFING MATERIAL - DAMAGED
CHL-ASBBLK08A-C)-101414
SUSPECT TRANSITE - THICKER BROWN 1/4"
CHL-ASBBLK09(A-C)-101414

SUSPECT TRANSITE - THIN GRAY 1/16"

**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: 10/14/14 Feature Identification/Name COAL DOCK SUBSTATION
Geographic Area: HUBBEL COAL DOCK Property Identification Number: 014.307.001-25

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

Circle the appropriate answer;

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

Describe Targeted Feature:

RAISED SLAB, APPROX 3-4' ABOVE GRADE, HOLLOW BENEATH SLAB, VOIDS LOCATED IN FLOOR, METAL DEBRIS NORTHEAST CORNER, PIPING AND ELECTRICAL CONDUIT PRESENT BELOW SLAB

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

CEMENTITIOUS MATERIAL - GRAY/BROWN, PLASTER-LIKE CHL-ASBLK10-101414
SAMPLES COLLECTED BETWEEN 0830 AND 0930

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

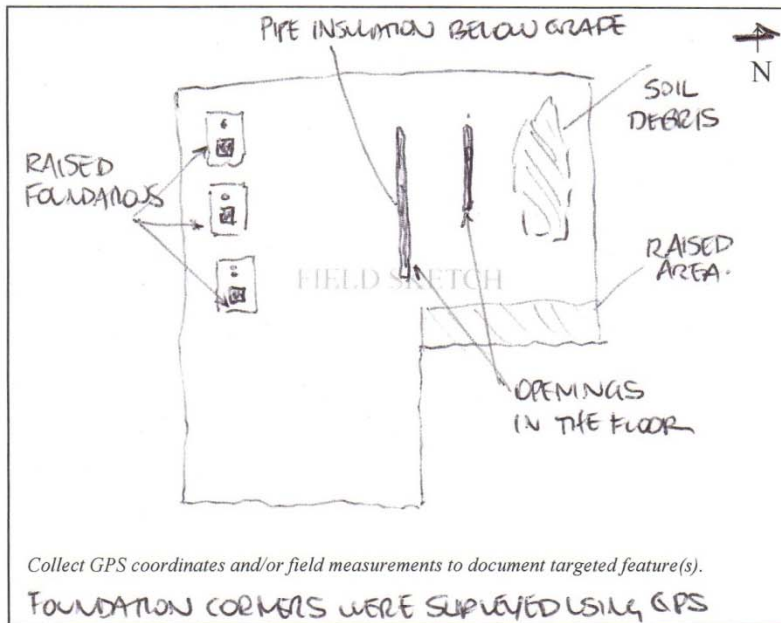
MATERIALS ARE SPREAD ACROSS SLAB SURFACE, POTENTIAL EXPOSURE TO TRESPASSERS DUE TO SACM AND PHYSICAL HAZARDS/VOIDS

Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts): CHL-ASBLK-D7A-101414

ROOFING MATERIAL - DAMAGED
CHL-ASBLK08A-C)-101414
SUSPECT TRANSITE - THICKER BROWN 1/4"
CHL-ASBLK09(A-C)-101414

SUSPECT TRANSITE - THIN GRAY 1/16"

**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: 10/14/14 Feature Identification/Name COAL DOCK SUBSTATION

Geographic Area: HUBBEL COAL DOCK Property Identification Number: 014.307.001-25

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

Circle the appropriate answer;

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

Describe Targeted Feature:

RAISED SLAB, APPROX 3-4' ABOVE GRADE, HOLLOW BENEATH SLAB, VOIDS LOCATED IN FLOOR, METAL DEBRIS NORTHEAST CORNER, PIPING AND ELECTRICAL CONDUIT PRESENT BELOW SLAB

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

CEMENTITIOUS MATERIAL - GRAY/BROWN, PLASTER-LIKE CHL-ASBBLK-09A-101414

SAMPLES COLLECTED BETWEEN 0830 AND 0930

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

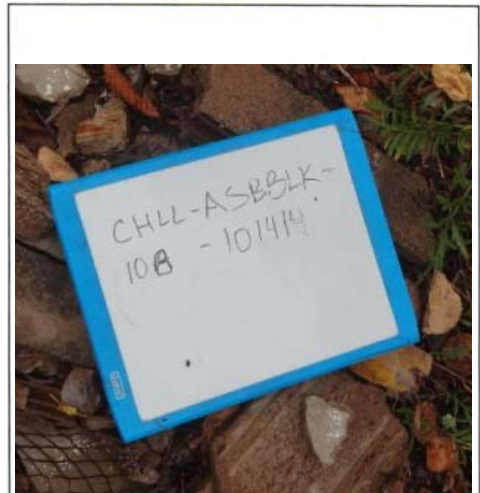
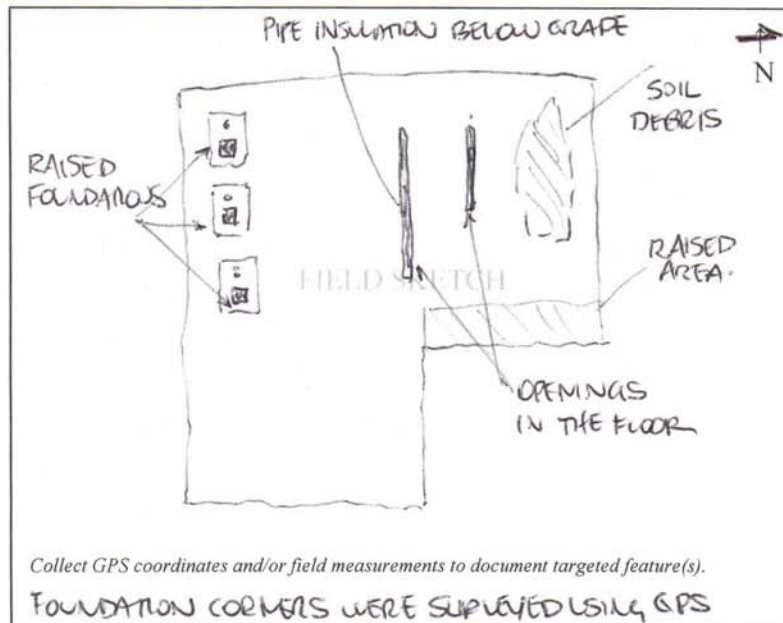
MATERIALS ARE SPREAD ACROSS SLAB SURFACE, POTENTIAL EXPOSURE TO TRESPASSERS DUE TO SACM AND PHYSICAL HAZARDS/VOIDS

Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts): CHL-ASBBLK-07A-101414

ROOFING MATERIAL - DAMAGED
CHL-ASBBLK-08A-C-101414
SUSPECT TRANSITE - THICKER BROWN 1/4"
CHL-ASBBLK-09A-C-101414

SUSPECT TRANSITE - THIN GRAY 1/16"

**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: 10/14/14 Feature Identification/Name COAL DOCK SUBSTATION

Geographic Area: HUBBEL COAL DOCK Property Identification Number: 014.307.001-25

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

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:

RAISED SLAB, APPROX 3-4' ABOVE GRADE, HOLLOW BENEATH SLAB, VOIDS LOCATED IN FLOOR, METAL DEBRIS NORTHEAST CORNER, PIPING AND ELECTRICAL CONDUIT PRESENT BELOW SLAB

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

CEMENTITIOUS MATERIAL - GRAY/BROWN, PLASTER-LIKE CHL-ASBBLK10-101414
SAMPLES COLLECTED BETWEEN 0830 AND 0930

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

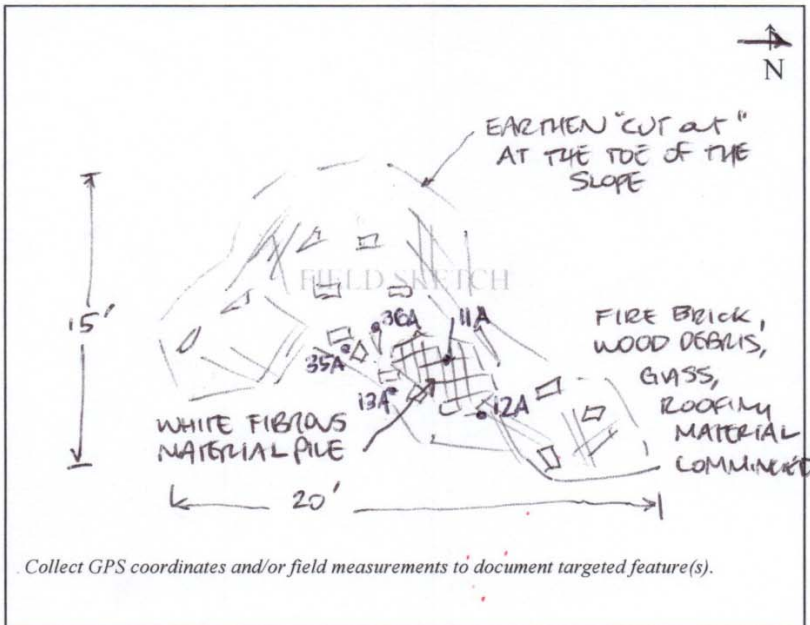
MATERIALS ARE SPREAD ACROSS SLAB SURFACE, POTENTIAL EXPOSURE TO TRESPASSERS DUE TO SACM AND PHYSICAL HAZARDS/VOIDS

Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts): CHL-ASBBLK-07A-101414

ROOFING MATERIAL - DAMAGED
CHL-ASBBLK08A-C)-101414
SUSPECT TRANSITE - THICKER BROWN 1/4"
CHL-ASBBLK09(A-C)-101414

SUSPECT TRANSITE - THIN GRAY 1/16"

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



Inspection Date: 10/14/14 Feature Identification/Name COMMINGLED DEBRIS PILE

Geographic Area: HUBBELL COAL DOCK Property Identification Number: 014 307-001-25

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

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:

DECON-SACMOS - APPROXIMATE 2'x2'x2' PILE OF COMMINGLED WASTE, INCLUDES THREE DIFFERENT MATERIALS (BRICK) WITH GLASS FRAGMENTS AND OTHER DEBRIS

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

CHU-ASBBLK11A-101414 - WHITE FIBROUS MATERIAL
CHU-ASBBLK12A-101414 - BLACK ASPHALTIC ROOFING MATERIAL
CHU-ASBBLK13A-101414 - GRAY PLASTER, 1/4" THICK
SAMPLES COLLECTED AT 1020

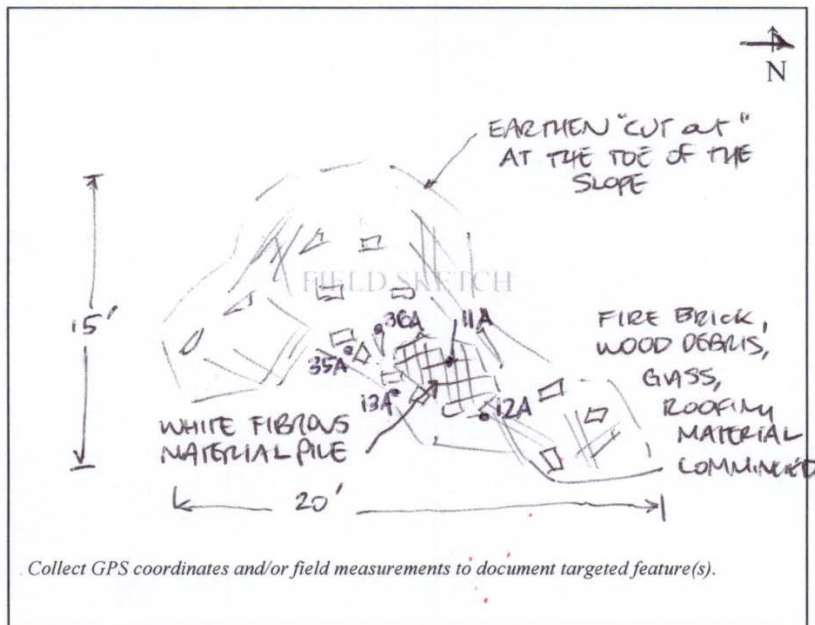
Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

DEBRIS PILE ALONG THE HILLSIDE INCLUDES BRICK AND BUILDING MATERIALS, WOOD DEBRIS WITH A WHITISH GREY FIBROUS PILE IN THE MIDDLE; MATERIAL IS DAMAGED AND FRAGILE; POTENTIAL EXPOSURE TO TRESPASSERS DUE TO SACM

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

CHU-ASBBLK35A-101514: PINK FIRE BRICK
CHU-ASBBLK36A-101514: YELLOWISH ORANGE FIRE BRICK
SAMPLES COLLECTED AT 1030

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



Inspection Date: 10/14/14 Feature Identification/Name COMMINGLED DEBRIS PILE

Geographic Area: HUBBELL COAL DOCK Property Identification Number: 014 307-001-25

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

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:

DECON-SACMOS - APPROXIMATE 2'x2'x2' PILE OF COMMINGLED WASTE, INCLUDES THREE DIFFERENT MATERIALS (GROWN) WITH GLASS FRAGMENTS AND OTHER DEBRIS

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

CHL-ASBBK11A-101414 - WHITE FIBROUS MATERIAL
CHL-ASBBK12A-101414 - BLACK ASPHALTIC ROOFING MATERIAL
CHL-ASBBK13A-101414 - GRAY PLASTER, 1/4" THICK
SAMPLES COLLECTED AT 1020

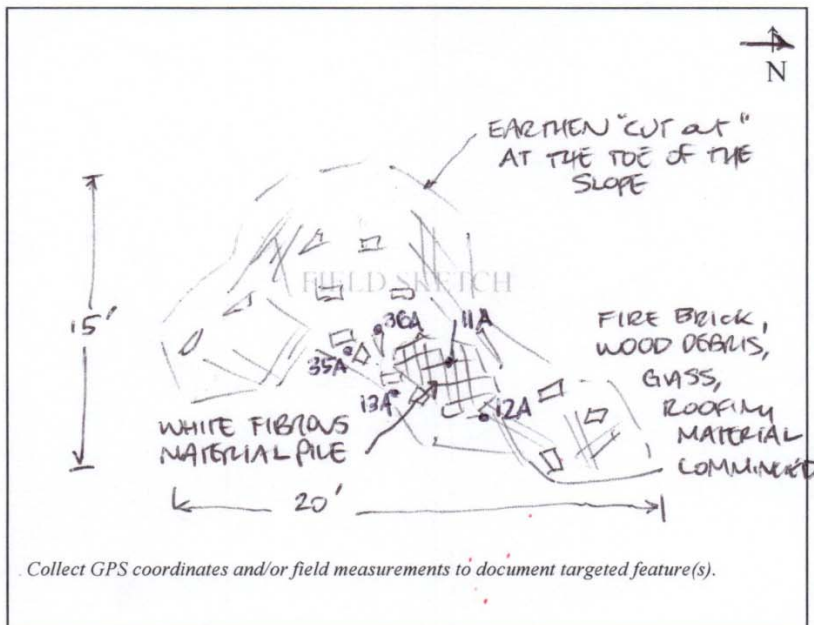
Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

DEBRIS PILE ALONG THE HILLSIDE INCLUDES BRICK AND BUILDING MATERIALS, WOOD DEBRIS WITH A WHITISH GREY FIBROUS PILE IN THE MIDDLE; MATERIAL IS DAMAGED AND FRAGILE; POTENTIAL EXPOSURE TO TRESPASSERS DUE TO SACM

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

CHL-ASBBK35A-101514: PINK FIRE BRICK
CHL-ASBBK36A-101514: YELLOWISH ORANGE FIRE BRICK
SAMPLES COLLECTED AT 1030

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



Inspection Date: 10/14/14 Feature Identification/Name COMMINGLED DEBRIS PILE

Geographic Area: HUBBELL COAL DOCK Property Identification Number: 014 307-001-25

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

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:

DECON-SACMOS - APPROXIMATE 2'x2'x2' PILE OF COMMINGLED WASTE, INCLUDES THREE DIFFERENT MATERIALS (BELOW) WITH GLASS FRAGMENTS AND OTHER DEBRIS

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

CHL-ASBBLK11A-101414 - WHITE FIBROUS MATERIAL
CHL-ASBBLK12A-101414 - BLACK ASPHALTIC ROOFING MATERIAL
CHL-ASBBLK13A-101414 - GRAY PLASTER, 1/4" THICK
SAMPLES COLLECTED AT 1020

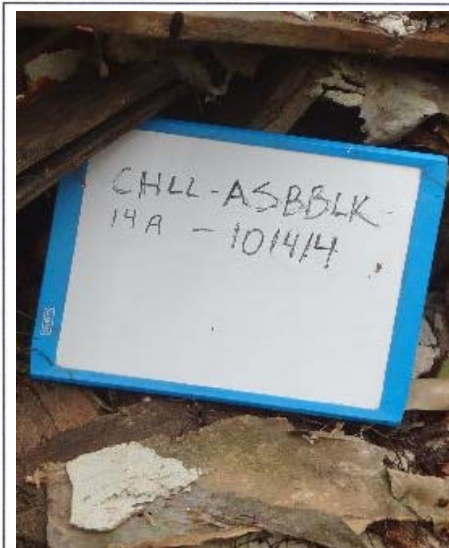
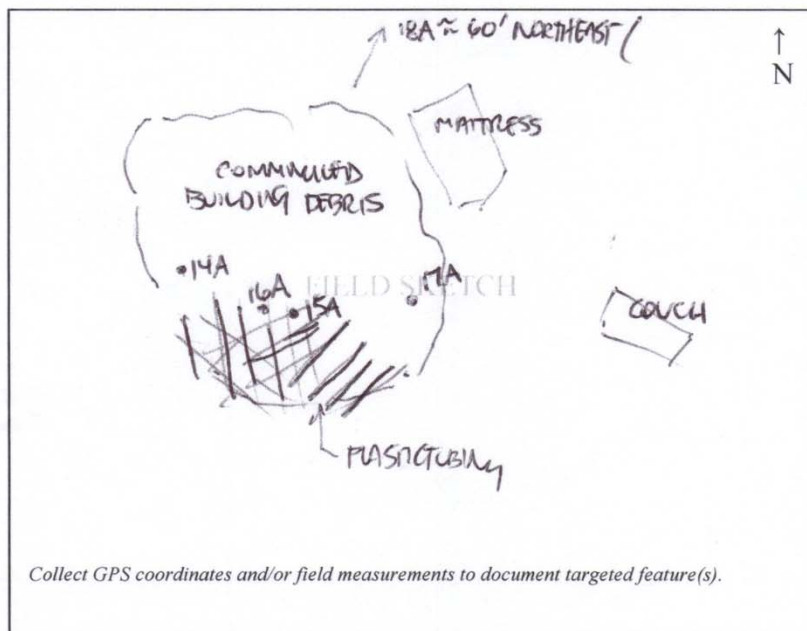
Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

DEBRIS PILE ALONG THE HILLSIDE INCLUDES BRICK AND BUILDING MATERIALS, WOOD DEBRIS WITH A WHITISH GREY FIBROUS PILE IN THE MIDDLE; MATERIAL IS DAMAGED AND FRAGILE; POTENTIAL EXPOSURE TO TRESPASSERS DUE TO SACM

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

CHL-ASBBLK35A-101514: PINK FIRE BRICK
CHL-ASBBLK36A-101514: YELLOWISH ORANGE FIRE BRICK
SAMPLES COLLECTED AT 1030

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



Inspection Date: 10/14/14 Feature Identification/Name HOUSEHOLD DEBRIS PILE

Geographic Area: HUBBELL COAL DOCK Property Identification Number: 04-307-001-25

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

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:

LARGE HOUSEHOLD DEBRIS PILE APPROX 50' IN DIAMETER 3-4' TALL, MIXED HOUSEHOLD WASTE AND BUILDING DEBRIS, BLACK PLASTIC TUBING (POSSIBLE WIRE SHEATHING) - BASED ON LEVEL OF WEATHERING, NOT LIKELY MINING ERA WASTE

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

CHLL-ASBBLK14A-101414 - WHITE PAPER, COARSE GRAINED, PAPER BACKING 1/4" THICK
CHLL-ASBBLK15A-101414 - WHITE CORRUGATED PAPER INSULATION, CANVAS BACKING
CHLL-ASBBLK16A-101414 - BLACK ASPHALTIC ROOFING MATERIAL
CHLL-ASBBLK17A-101414 - BRITTLE BLACK PAPER SAMPLES COLLECTED AT 1100

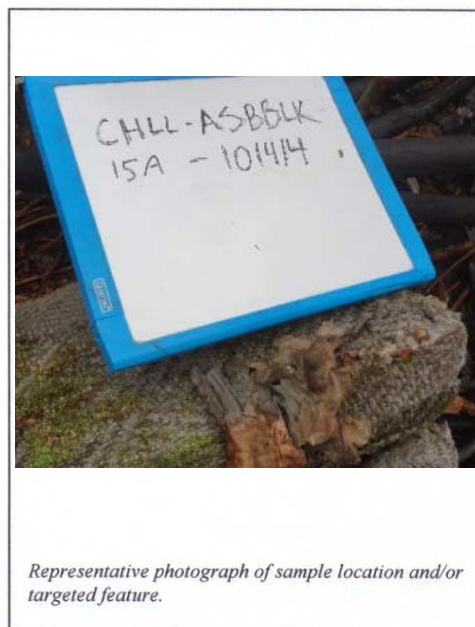
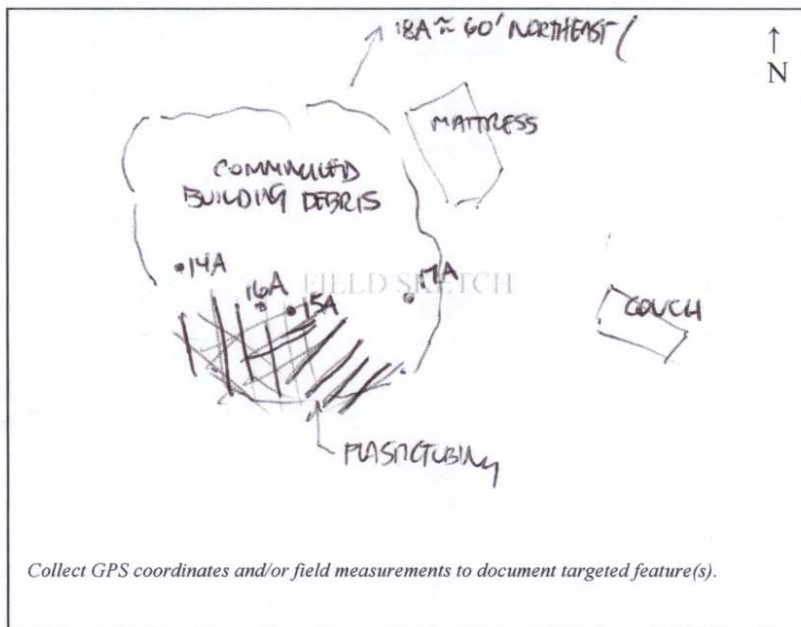
Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

THE PASSERS ARE POTENTIALLY AT RISK DUE TO EXPOSED WEATHERED MATERIALS AND PHYSICAL HAZARDS
LESS THAN 10 FT OF EACH MATERIAL (14A-18A) - APPROXIMATELY

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

CHLL-ASBBLK18A-101414 - BLACK CANVAS MATERIAL - LOCATED APPROXIMATELY 60' NORTHEAST OF THE DEBRIS PILE.
SAMPLE COLLECTED AT 1115

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



Inspection Date: 10/14/14 Feature Identification/Name: HOUSEHOLD DEBRIS PILE

Geographic Area: HUBBELL COAL DOCK Property Identification Number: 04-307-001-25

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

Circle the appropriate answer;

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

Describe Targeted Feature:

LARGE HOUSEHOLD DEBRIS PILE APPROX 50' IN DIAMETER 3-4' TALL, MIXED HOUSEHOLD WASTE AND BUILDING DEBRIS, BLACK PLASTIC TUBING (POSSIBLE WIRE SHEATHING) - BASED ON LEVEL OF WEATHERING, NOT LIKELY MINING ERA WASTE

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

CHL-ASBBK14A-101414 - WHITE PAPER, COARSE GRAINED, PAPER BACKING 1/4" THICK
CHL-ASBBK15A-101414 - WHITE CORRUGATED PAPER INSULATION, CANVAS BACKING
CHL-ASBBK16A-101414 - BLACK ASPHALTIC ROOFING MATERIAL
CHL-ASBBK17A-101414 - BRITTLE BLACK PAPER

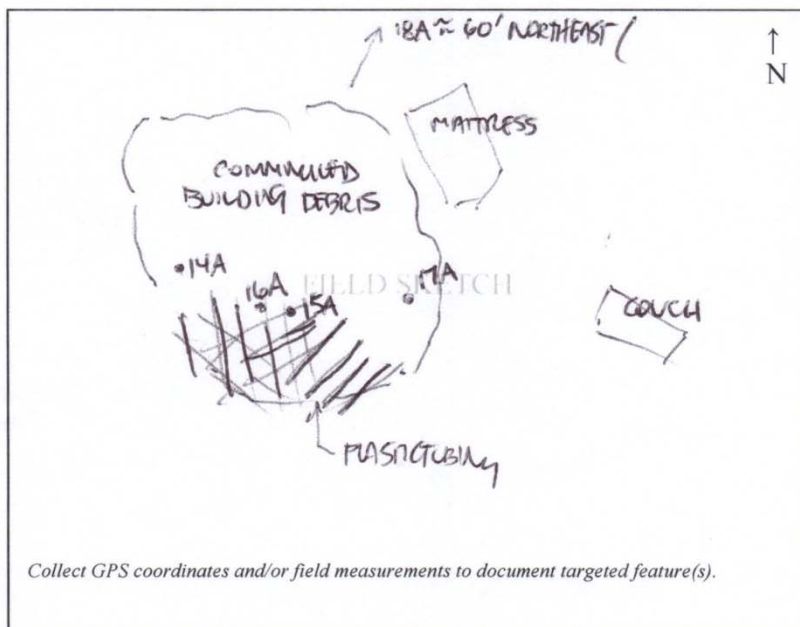
Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

THE SPASSERS ARE POTENTIALLY AT RISK DUE TO EXPOSED WEATHERED MATERIALS AND PHYSICAL HAZARDS
LESS THAN 10 ft OF EACH MATERIAL (14A-18A) - APPROXIMATELY

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

CHL-ASBBK-18A-101414 - BLACK CANVAS MATERIAL - LOCATED APPROXIMATELY 60' NORTHEAST OF THE DEBRIS PILE -
SAMPLE COLLECTED AT 1115

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



Inspection Date: 10/14/14 Feature Identification/Name: HOUSEHOLD DEBRIS PILE

Geographic Area: HUBBELL COAL DOCK Property Identification Number: 04-307-001-25

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

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:

LARGE HOUSEHOLD DEBRIS PILE APPROX 50' IN DIAMETER 3-4' TALL, MIXED HOUSEHOLD WASTE AND BUILDING DEBRIS, BLACK PLASTIC TUBING (POSSIBLE WIRE SHEATHING) - BASED ON LEVEL OF WEATHERING, NOT LIKELY MINING ERA WASTE

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

CHLL-ASBBUK14A-10/14/14 - WHITE PAPER, COARSE GRAINED, PAPER BACKING 1/4" THICK
CHLL-ASBBUK15A-10/14/14 - WHITE CORRUGATED PAPER INSULATION, CANVAS BACKING
CHLL-ASBBUK16A-10/14/14 - BLACK ASPHALTIC ROOFING MATERIAL
CHLL-ASBBUK17A-10/14/14 - BRITTLE BLACK PAPER

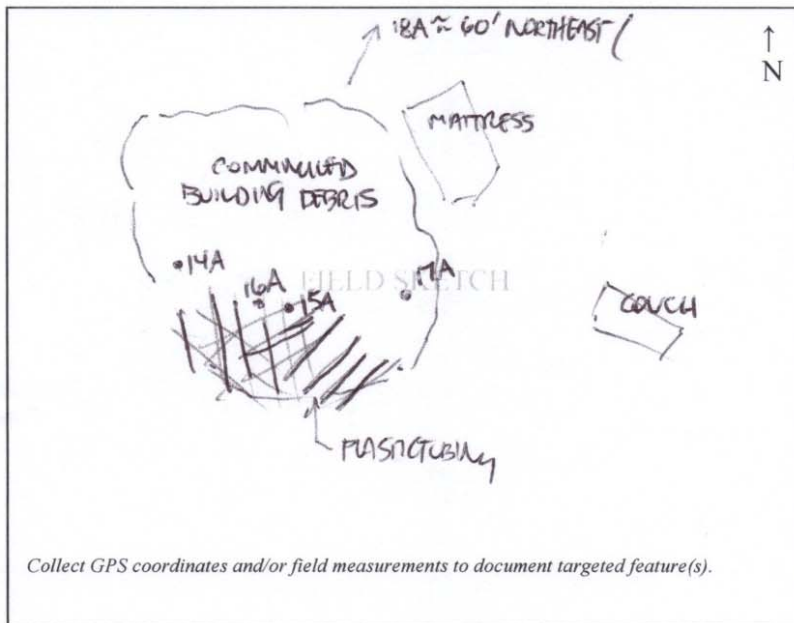
Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

THREASPASSERS ARE POTENTIALLY AT RISK DUE TO EXPOSED WEATHERED MATERIALS AND PHYSICAL HAZARDS
LESS THAN 10 ft OF EACH MATERIAL (14A-18A) - APPROXIMATELY

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

CHLL-ASBBUK-18A-10/14/14 - BLACK CANVAS MATERIAL - LOCATED APPROXIMATELY 60' NORTHEAST OF THE DEBRIS PILE.
SAMPLE COLLECTED AT 11:15

**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).



Inspection Date: 10/14/14 Feature Identification/Name: HOUSEHOLD DEBRIS PILE

Geographic Area: HUBBEN COAL DOCK Property Identification Number: 04-307-001-25

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

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:

LARGE HOUSEHOLD DEBRIS PILE APPROX 50' IN DIAMETER 3-4' TALL, MIXED HOUSEHOLD WASTE AND BUILDING DEBRIS, BLACK PLASTIC TUBING (POSSIBLE WIRE SHEATHING) - BASED ON LEVEL OF WEATHERING, NOT LIKELY MINING ERA WASTE

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

CHL-ASBBLK14-101414 - WHITE PASTER, COARSE GRAINED, PAPER BACKING 1/4" THICK
CHL-ASBBLK15A-101414 - WHITE CORRUGATED PAPER INSULATION, CANVAS BACKING
CHL-ASBBLK16A-101414 - BLACK ASPHALTIC ROOFING MATERIAL
CHL-ASBBLK17A-101414 - BRITTLE BLACK PAPER

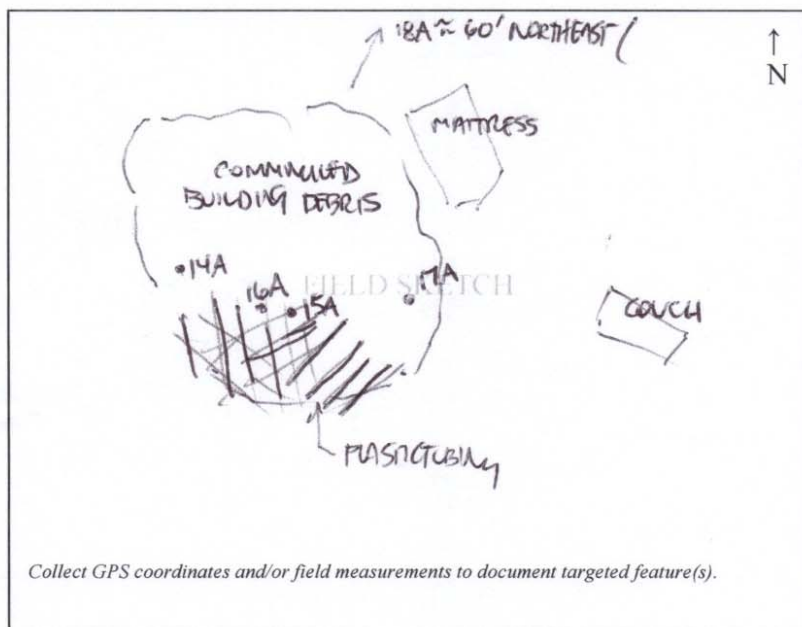
Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

THREASPASSERS ARE POTENTIALLY AT RISK DUE TO EXPOSED WEATHERED MATERIALS AND PHYSICAL HAZARDS
10 ft OF EACH MATERIAL (14-18A) - APPROXIMATELY

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

CHL-ASBBLK18A-101414 - BLACK CANVAS MATERIAL - LOCATED APPROXIMATELY 60' NORTHEAST OF THE DEBRIS PILE.
SAMPLE COLLECTED AT 1115

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



Inspection Date: 10/14/14 Feature Identification/Name: HOUSEHOLD DEBRIS PILE

Geographic Area: HUBBEN COAL DOCK Property Identification Number: 04-307-001-25

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

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:

LARGE HOUSEHOLD DEBRIS PILE APPROX 50' IN DIAMETER 3-4' TALL, MIXED HOUSEHOLD WASTE AND BUILDING DEBRIS, BLACK PLASTIC TUBING (POSSIBLE WIRE SHEATHING) - BASED ON LEVEL OF WEATHERING, NOT LIKELY MINING ERA WASTE

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

CHL-ASBBIK14-101414 - WHITE PAPER, COARSE GRAINED, PAPER BACKING 1/4" THICK
CHL-ASBBIK15A-101414 - WHITE CORRUGATED PAPER INSULATION, CANVAS BACKING
CHL-ASBBIK16A-101414 - BLACK ASPHALTIC ROOFING MATERIAL
CHL-ASBBIK17A-101414 - BRITTLE BLACK PAPER

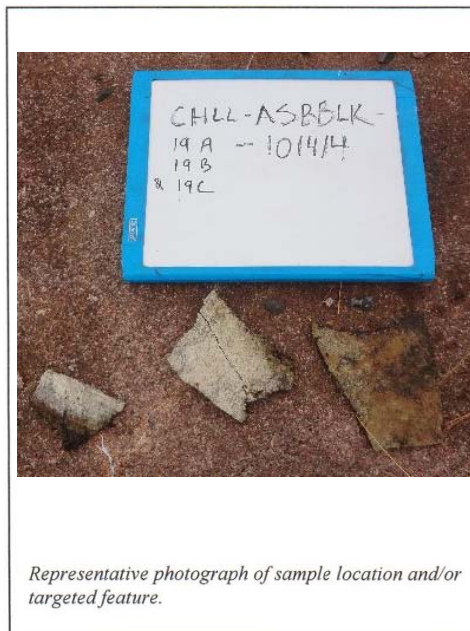
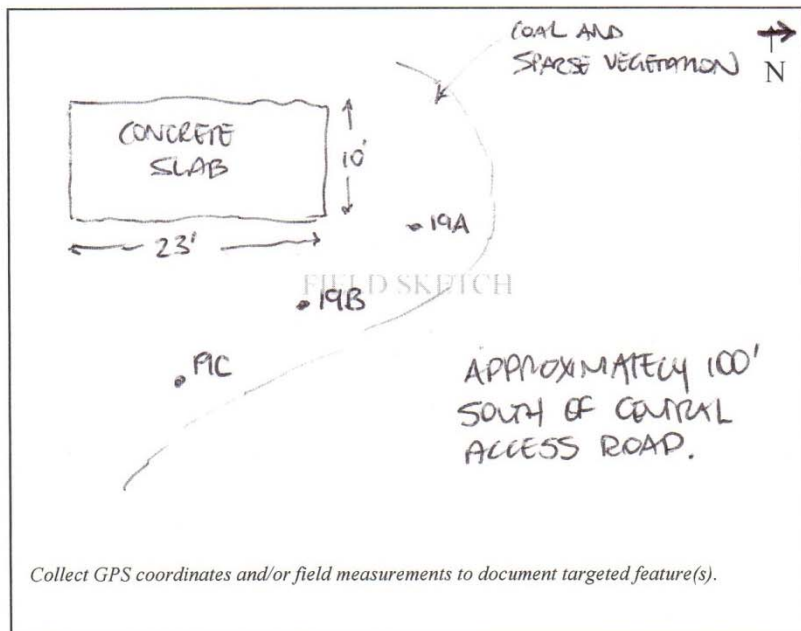
Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

THESPASSERS ARE POTENTIALLY AT RISK DUE TO EXPOSED WEATHERED MATERIALS AND PHYSICAL HAZARDS
LESS THAN 10 ft OF EACH MATERIAL (14-18A) - APPROXIMATELY

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

CHL-ASBBIK-18A-101414 - BLACK CANVAS MATERIAL - LOCATED APPROXIMATELY 60' NORTHEAST OF THE DEBRIS PILE -
SAMPLE COLLECTED AT 1115

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



Inspection Date: 10/14/14 Feature Identification/Name: CONCRETE SLAB - TRANSITE FRAGMENTS

Geographic Area: HUBBELL COAL DOK Property Identification Number: 014-307-001-25

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

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:

TRANSITE FRAGMENTS DISTRIBUTED ACROSS THE GROUND SURFACE, PRIMARILY ON THE NORTH AND EAST SIDE OF THE FOUNDATION, COAL AND CINDERS ON THE GROUND SURFACE

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

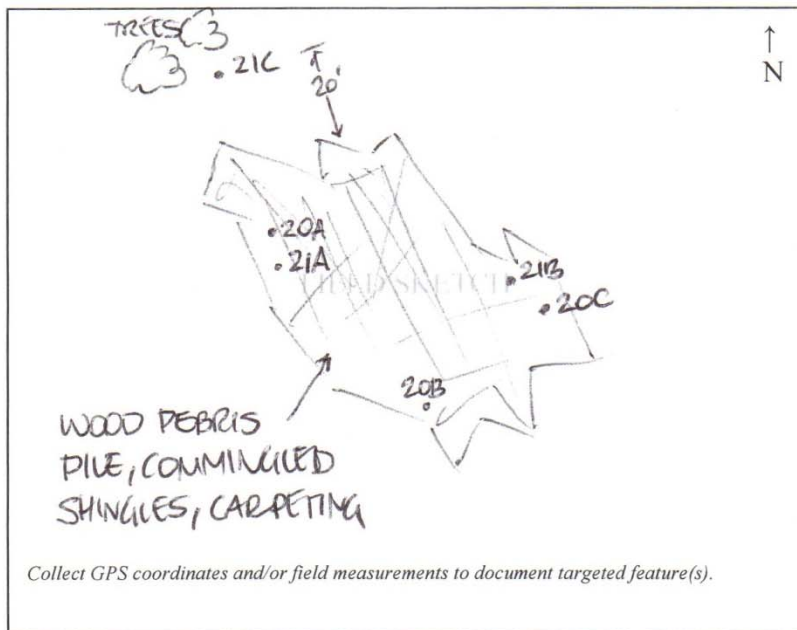
CHLL-ASBBUK19A-10/14/14 - SUSPECT TRANSITE, DAMAGED, FRIABLE SAMPLES COLLECTED
CHLL-ASBBUK19B-10/14/14 - SUSPECT TRANSITE, DAMAGED, FRIABLE AT 1245.
CHLL-ASBBUK19C-10/14/14 - SUSPECT TRANSITE, DAMAGED, FRIABLE

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

MATERIALS ARE IN A SPREAD ACROSS THE GROUND SURFACE PRIMARILY IN NON-VEGETATED AREAS ON THE NORTH AND EAST SIDE OF THE SLAB; THE SPREADS ARE SUBJECT TO POTENTIAL EXPOSURE FROM CONTACT AND

Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts): DAMAGE TO THE MATERIAL AREA IS SUBJECT TO FLOODING, SIGNIFICANT RAIN COULD POTENTIALLY TRANSPORT DEBRIS

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



Inspection Date: 10/14/14 Feature Identification/Name BUILDING MATERIAL DEBRIS PILE

Geographic Area: HUBBELL COAL DOCK Property Identification Number: 014-307-001-025

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

Circle the appropriate answer;

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

Describe Targeted Feature:

INSPECTION LOCATIONS SACM 13, SUSPECT Hg SWITCH, PILE OF WOODEN BOARDS AND BUILDING DEBRIS COMMINGLED DAMAGED SHINGLES, CARPETING AND FIXTURES

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

CHLL-ASBBLK 20(A-C) - 10/14/14 - GREEN ASPHALTIC ROOFING MATERIAL

CHLL-ASBBLK 21(A-C) - 10/14/14 - RED ASPHALTIC ROOFING MATERIAL

SAMPLES COLLECTED BETWEEN 1300 - 1315

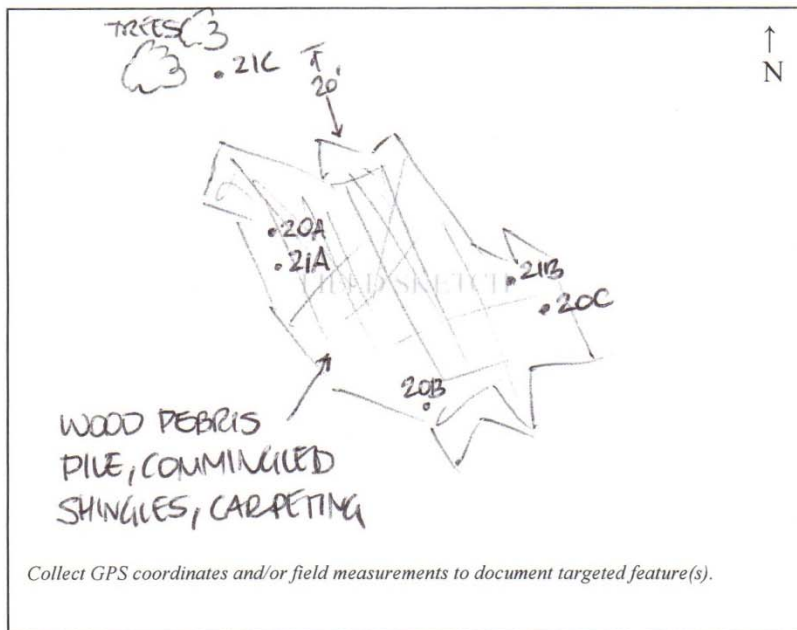
Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

TRESPASSERS COULD BE AT RISK DUE TO DAMAGED SACM AND PHYSICAL HAZARDS ASSOCIATED WITH THE DEBRIS PILE. WIND AND WATER EROSION COULD POTENTIALLY BE FACTORS RELATED TO CONTAMINANT TRANSPORT

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

SUSPECT MERCURY SWITCH REQUIRES FURTHER EVALUATION

**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).

PHOTOGRAPH

Representative photograph of sample location and/or targeted feature.

Inspection Date: 10/14/14 Feature Identification/Name BUILDING MATERIAL DEBRIS PILE

Geographic Area: HUBBELL COAL DOCK Property Identification Number: 014-307-001-025

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

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:

INSPECTION LOCATIONS SACM 13; SUSPECT Hg SWITCH; PILE OF WOODEN BOARDS AND BUILDING DEBRIS COMMINGLED DAMAGED SHINGLES, CARPETING AND FIXTURES

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

CHL-ASBBK 20(A-C) - 10/14/14 - GREEN ASPHALTIC ROOFING MATERIAL

CHL-ASBBK 21(A-C) - 10/14/14 - RED ASPHALTIC ROOFING MATERIAL

SAMPLES COLLECTED BETWEEN 1300 - 1315

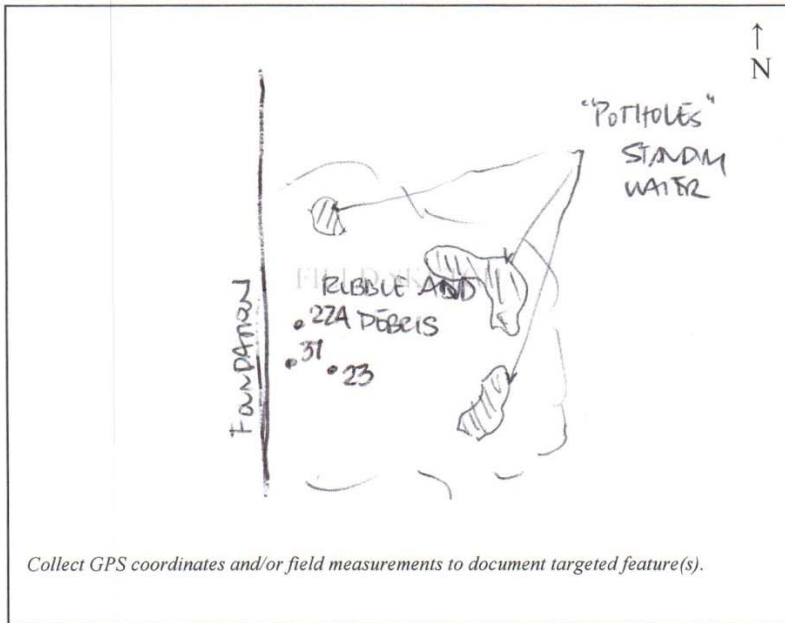
Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

TRESPASSERS COULD BE AT RISK DUE TO DAMAGED SACM AND PHYSICAL HAZARDS ASSOCIATED WITH THE DEBRIS PILE. WIND AND WATER EROSION COULD POTENTIALLY BE FACTORS RELATED TO CONTAMINANT TRANSPORT

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

SUSPECT MERCURY SWITCH REQUIRES FURTHER EVALUATION

**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: 10/14/14 Feature Identification/Name: RESIDUAL PROCESS MATERIALS/
SUSPECT BEN AREA.

Geographic Area: COAL DOCK PROPERTY Property Identification Number: D14-307-001-25

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

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 OF DEBRIS AND WASTE MATERIALS, ROCKS, CONCRETE, WOOD DEBRIS, WIRE SHEATHING, ROPE WRAP, CIRCUITBOARD FRAGMENTS, GREENISH BLUE SLAMM THROUGHOUT

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

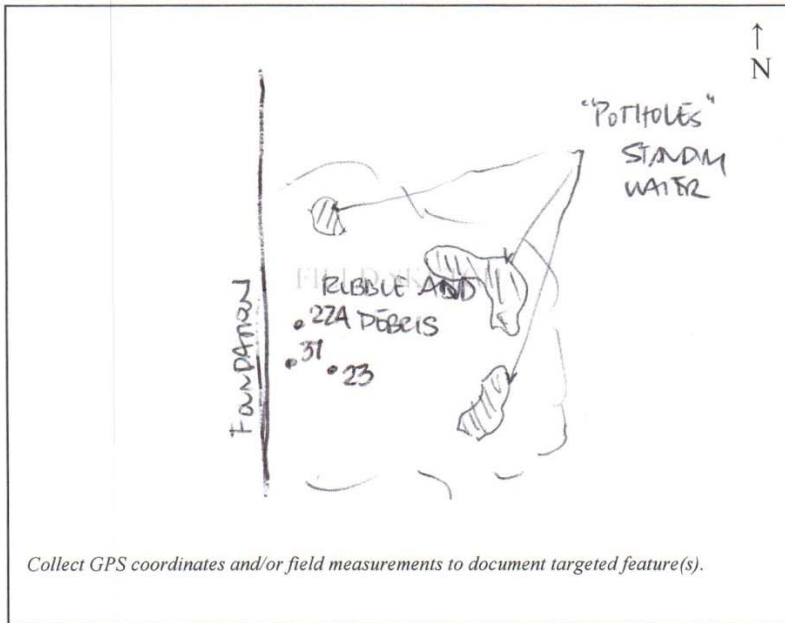
CHL-ASBBLK 22A-C-101414 - FIBROUS ROPE-LIKE MATERIAL, WHITE/GRAY, (WIRE WRAP)
CHL-ASBBLK 22A-C-101414 - BLACK WRAPPED, WHITE FIBROUS MAT, (WIRE SHEATHING)
CHL-ASBBLK 22A-C-101414 - EXTERIOR BROWN, INTERIOR ORANGE, CIRCUITBOARD WASTE

Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact): SAMPLES WERE COLLECTED AT 1440
EXPOSURE PATHWAYS INCLUDE THE MIGRATION OF CONTAMINANTS FROM DAMAGED SACM AND CHEMICALLY CONTAMINATED MEDIA. WIND AND WATER EROSION COULD RESULT IN THE MIGRATION OF CONTAMINANTS

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

SAMPLE CHL-ASBBLK 22A-101414 WAS RELABELLED CHL-ASBBLK 37A-C-101414 AND SAMPLE CHL-ASBBLK-24A-C-101414 WAS RELABELLED CHL-ASBBLK 23A-C-101414 DUE TO A DUPLICATION OF INFORMATION RECORDED IN THE FIELD.

**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: 10/14/14 Feature Identification/Name: RESIDUAL PROCESS MATERIALS/
SUSPECT BEN AREA.

Geographic Area: COAL DOCK PROPERTY Property Identification Number: D14-307-001-25

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

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 OF DEBRIS AND WASTE MATERIALS, ROCKS, CONCRETE, WOOD DEBRIS, WIRE SHEATHING, ROPE WRAP, CIRCUITBOARD FRAGMENTS, GREENISH BLUE SLAMM THROUGHOUT

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

CHL-ASBBLK 22A-C-101414 - FIBROUS ROPE-LIKE MATERIAL, WHITE/GRAY, (WIRE WRAP)

CHL-ASBBLK 22A-C-101414 - BLACK WRAPPED, WHITE FIBROUS MAT, (WIRE SHEATHING)

CHL-ASBBLK 22A-C-101414 - EXTERIOR BROWN, INTERIOR ORANGE, CIRCUITBOARD WASTE

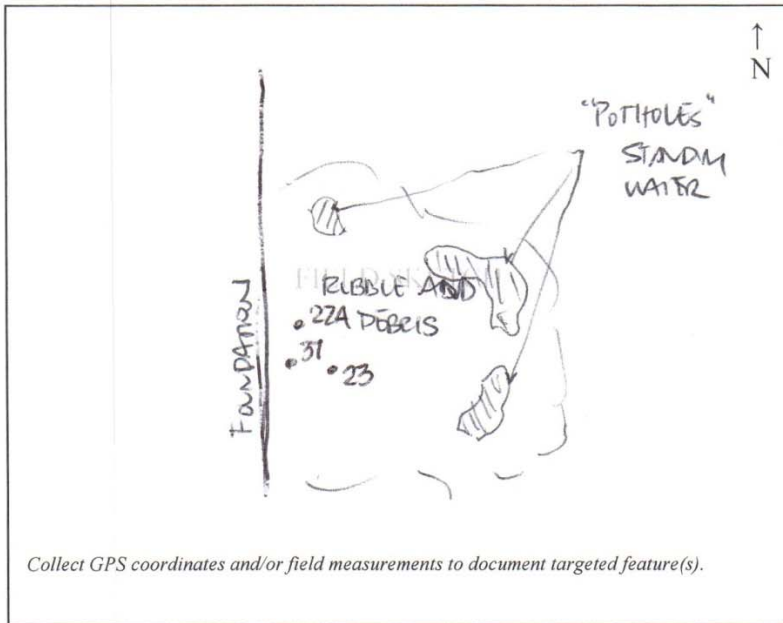
Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact): SAMPLES WERE COLLECTED AT 1440

EXPOSURE PATHWAYS INCLUDE THE MIGRATION OF CONTAMINANTS FROM DAMAGED SACM AND CHEMICALLY CONTAMINATED MEDIA. WIND AND WATER EROSION COULD RESULT IN THE MIGRATION OF CONTAMINANTS

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

SAMPLE CHL-ASBBLK 22A-101414 WAS RELABELLED CHL-ASBBLK 37A-C-101414 AND SAMPLE CHL-ASBBLK-24A-C-101414 WAS RELABELLED CHL-ASBBLK 23A-C-101414 DUE TO A DUPLICATION OF INFORMATION RECORDED IN THE FIELD.

**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: 10/14/14 Feature Identification/Name: RESIDUAL PROCESS MATERIALS/
SUSPECT BEN AREA.

Geographic Area: COAL DOCK PROPERTY Property Identification Number: D14-307-09-25

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

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 OF DEBRIS AND WASTE MATERIALS, ROCKS, CONCRETE, WOOD DEBRIS, WIRE SHEATHING, ROPE WRAP, CIRCUITBOARD FRAGMENTS, GREENISH BLUE SLAMM THROUGHOUT

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

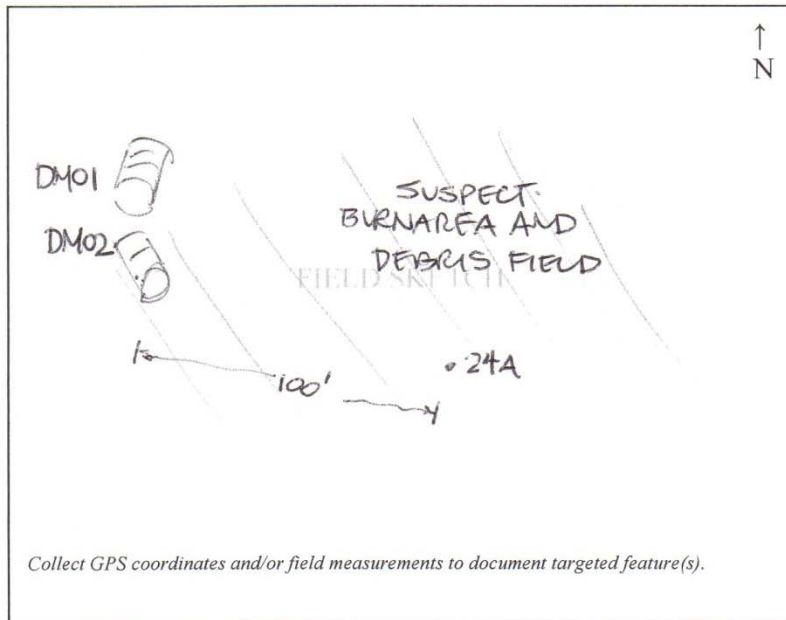
CHL-ASBBLK 22A-C-101414 - FIBROUS ROPE-LIKE MATERIAL, WHITE/GRAY, (WIRE WRAP)
CHL-ASBBLK 23A-C-101414 - BLACK WRAPPED, WHITE FIBROUS MAT, (WIRE SHEATHING)
CHL-ASBBLK 24A-C-101414 - EXTERIOR BROWN, INTERIOR ORANGE, CIRCUITBOARD WASTE

Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact): SAMPLES WERE COLLECTED AT 1440
EXPOSURE PATHWAYS INCLUDE THE MIGRATION OF CONTAMINANTS FROM DAMAGED SACM AND CHEMICALLY CONTAMINATED MEDIA. WIND AND WATER EROSION COULD RESULT IN THE MIGRATION OF CONTAMINANTS

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

SAMPLE CHL-ASBBLK 23A-101414 WAS RELABELED CHL-ASBBLK 37A-C-101414
AND SAMPLE CHL-ASBBLK-24A-C-101414 WAS RELABELED CHL-ASBBLK 23A-C-101414
DUE TO A DUPLICATION OF INFORMATION RECORDED IN THE FIELD.

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



Inspection Date: 10/14/14 Feature Identification/Name DEBRIS FIELD / BURN AREA

Geographic Area: QUEBELL COAL DOCK Property Identification Number: 014-307-001-25

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

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:

FIBROUS BLACK WIRE WRAP LOCATED IN A SUSPECTED BURN AREA, APPROXIMATELY 100 FEET EAST OF DRUMS DM01 AND DM02; VICINITY OF INSPECTION LOCATION SAM15

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

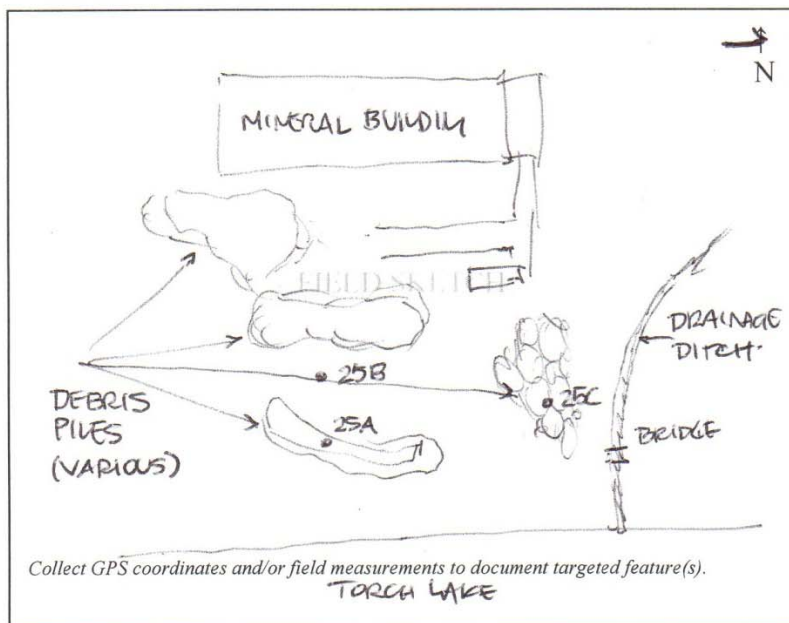
CHLL-ASBBLK 24A-10/14/14 - BLACK FIBROUS WIRE WRAP.
SAMPLED AT 1515

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

WIND AND WATER EROSION HAVE THE POTENTIAL TO TRANSPORT WASTES AND CONTAMINATED MEDIA TO THE LAKE; EVIDENCE OF TRESSPASSELS BASED ON SMALL EXCAVATIONS, SIMILAR TO THOSE THAT MIGHT BE MADE BY SOMEONE WITH

Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts): A METAL DETECTOR SOIL IN THE AREA IS GENERALLY BLACK, CINDERS AND COAL, BLUE/GREEN STAINING IS PRESENT IN THE SOILS AS WELL AS FRAGMENTS OF WIRE AND WASTE MATERIALS

**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: 10/14/14 Feature Identification/Name DEBRIS PILE - CORRUGATED PAPER

Geographic Area: HUBBEL COAL DOCK AREA Property Identification Number: 014-307.001-75

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

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:

CARDBOARD LIKE CORRUGATED PAPER - PRESENT IN MULTIPLE DEBRIS PILES DAMAGED, WEATHERED, TAN TO GREY DEPENDING ON DEGREE OF WEATHERING

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

CHL-ASBBLK25A-101414 SAMPLES COLLECTED BETWEEN 1530-1545
CHL-ASBBLK25B-101414
CHL-ASBBLK25C-101414

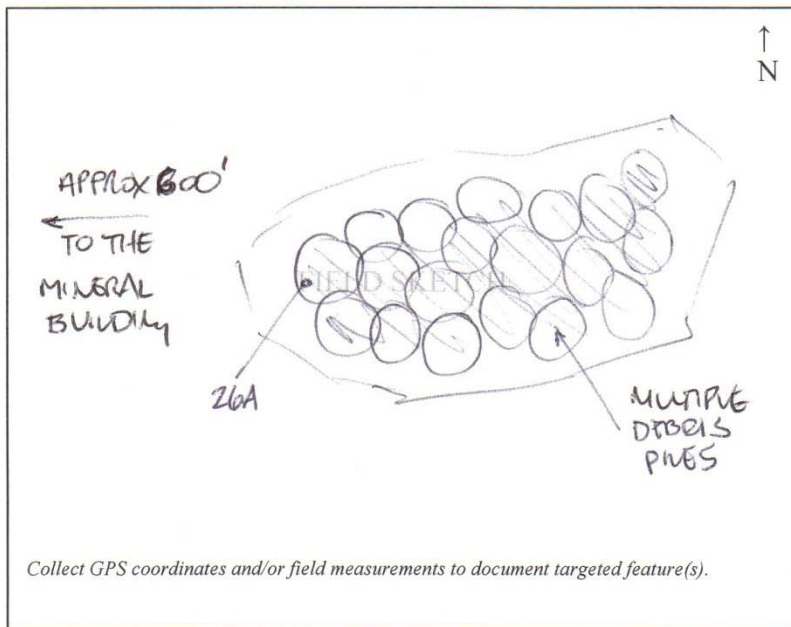
Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

MATERIAL IS GENERALLY PRETTY WEATHERED, WATER AND WIND EROSION COULD TRANSPORT DAMAGED MATERIALS; MATERIAL IS WIDELY DISTRIBUTED ACROSS THE SITE IN PILES WITH PHYSICAL HAZARDS PRESENT.

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

NO IDENTIFIABLE LABELS OR MARKINGS WERE VISIBLE ON MATERIAL

**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: 10/15/14 Feature Identification/Name DEBRIS PILE / TRANSIT FRAGMENT

Geographic Area: HUBBELL COAL DOCK AREA Property Identification Number: 014-307-001-75

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

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:

TRANSIT FRAGMENT, MULTIPLE DEBRIS PILES, APPARENT DUMP TRUCK LOADS BETWEEN 15-20 PILES; DEBRIS RANGING FROM SLAG, BRICK, BENDERS, WOOD AND OTHER BUILDING MATERIALS

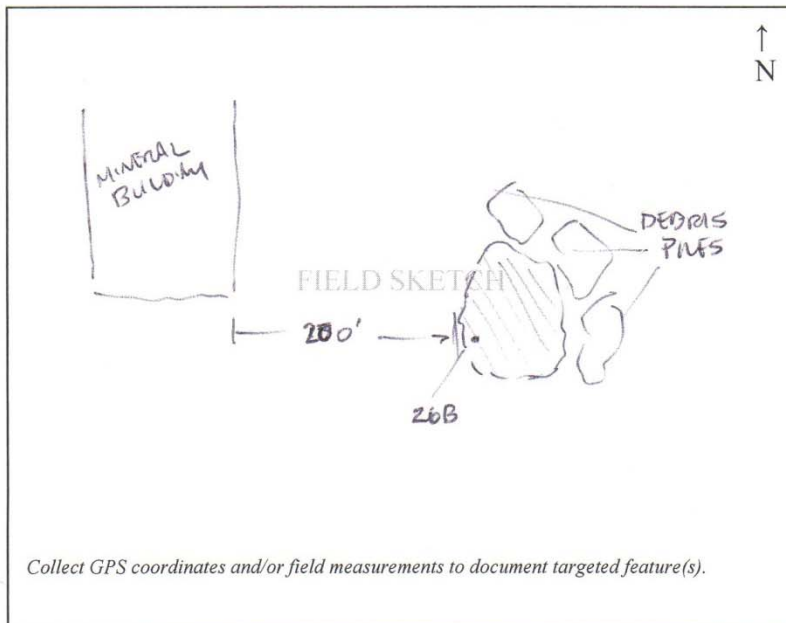
Sampling Activities (Sample Description, Sample Time, Requested Analyses):

COLLECT CHLL-ASB BK-26A-101514 - WHITISH GRAY TRANSIT FRAGMENT, DAMAGED
SAMPLE COLLECTED AT 0800

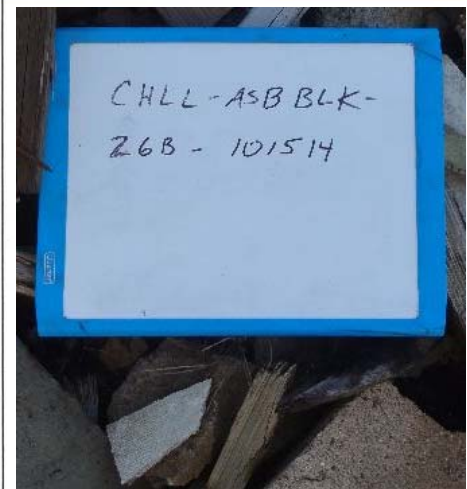
Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

DEBRIS PILES PRESENT PHYSICAL HAZARDS TO POTENTIAL MESSENGERS
WATER AND WIND EROSION PRESENT POTENTIAL CONTAMINANT MIGRATION
ISSUES, INCREASING POTENTIAL FOR INHALATION EXPOSURE AND DISPERSION IN
Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):
SOIL

**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: 10/15/14 Feature Identification/Name DEBRIS PILE - TRANSITE FRAGMENT

Geographic Area: HEBELL COAL DORK Property Identification Number: 014-307-001.75

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

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 TRANSITE FRAGMENT. LARGER DEBRIS PILE X 8' TALL 50' X 50'
COMMINGLED DEBRIS, CONCRETE, WOOD, BRICK, CERAMIC, ROOFING MATERIAL, GLASS
CINDERS SLURRY, SLURRY MATERIALS

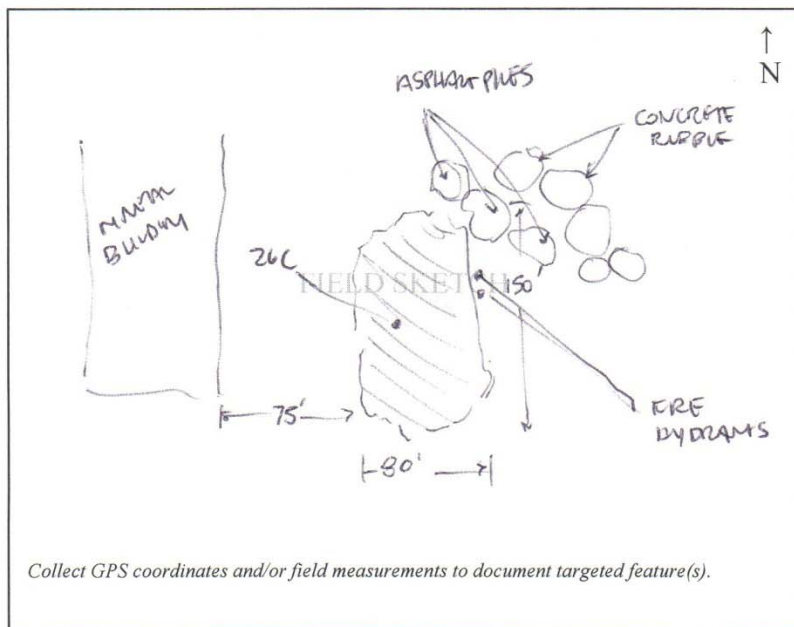
Sampling Activities (Sample Description, Sample Time, Requested Analyses):

CHLL-ASBBLK26B-101514 - WHITISH GRAY TRANSITE FRAGMENT, DAMAGED
SAMPLE COLLECTED AT 0815

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

DEBRIS PILES PRESENT PHYSICAL HAZARDS TO POTENTIAL TRESPASSERS.
WATER AND WIND EROSION PRESENT POTENTIAL CONTAMINANT MIGRATION
ISSUES, INCREASING POTENTIAL FOR INHALATION EXPOSURE AND DISPERSION
Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):
IN SOIL

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



Inspection Date: 10/15/14 Feature Identification/Name: DEBRIS PILE - TRANSIVE FRAGMENT

Geographic Area: HUBBEN COAL DOCK Property Identification Number: 014-307-001-75

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

Circle the appropriate answer;

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

Describe Targeted Feature:

LARGER DEBRIS PILE ~ 10' TALL 150' x 80' - COMMINGLED WASTE INCLUDING CONCRETE, SLAG BUILDING MATERIALS

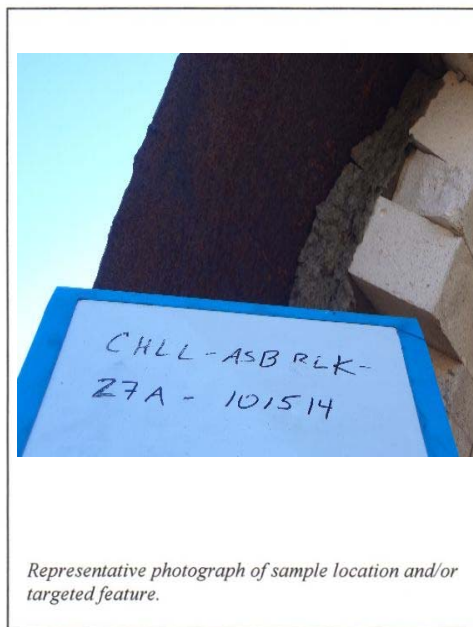
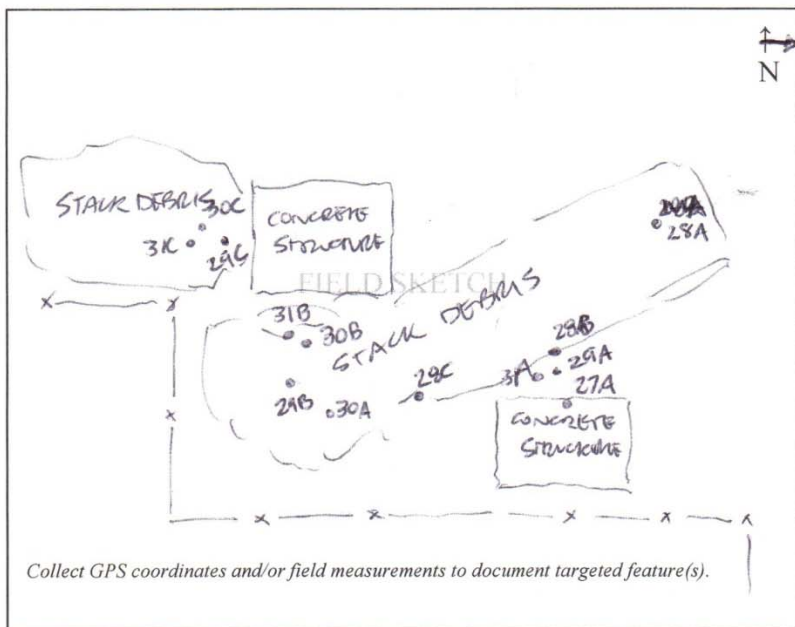
Sampling Activities (Sample Description, Sample Time, Requested Analyses):

CHLL-ASBBLK26C-101514 - GRAYISH WHITE TRANSIVE FRAGMENT, DAMAGED
SAMPLE COLLECTED AT 0820

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

DEBRIS PILES PRESENT PHYSICAL HAZARDS TO POTENTIAL MESSENGERS
WATER AND WIND EROSION PRESENT POTENTIAL CONTAMINANT MIGRATION
ISSUES, INCREASED POTENTIAL FOR INHALATION EXPOSURE AND DISPERSION
Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts): IN SOIL

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



Inspection Date: 10/15/14 Feature Identification/Name SMELTER STACK DEBRIS

Geographic Area: HUBBELL COAL DOCK AREA Property Identification Number: 014-307-001-75

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

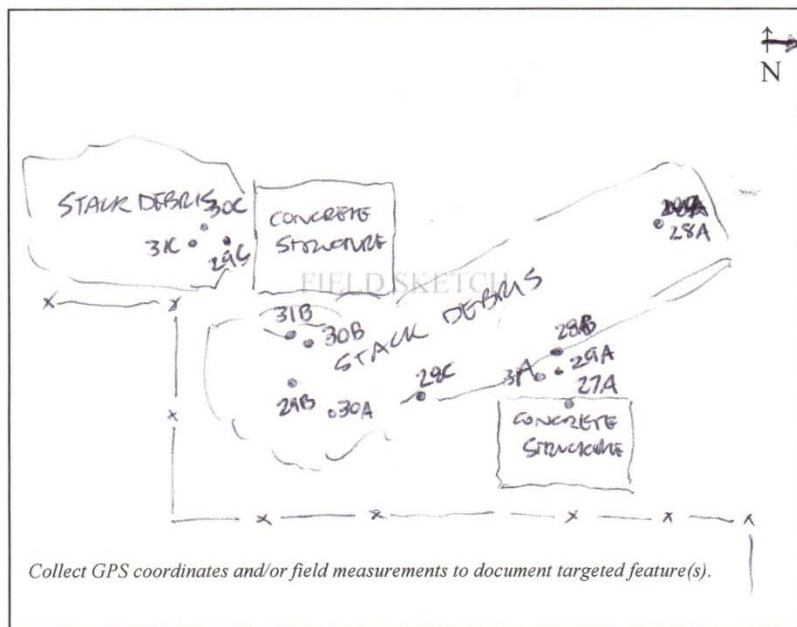
Describe Targeted Feature:

AREA NORTH AND WEST OF THE FORMER SMELTER PROPERTY; APPEARS TO BE TWO STACKS ONE NORTH CLOSER TO THE MINERAL BUILDING AND ONE SOUTH; STACKS CONSTRUCTED OF VARIOUS SHAPES AND SIZED FIRE BRICK; FINE GRAINED GREENISH BLUE SEDIMENT ERODING FROM STACK DEBRIS, INFILTRATING ON NEIGHBOR PROPERTY
Sampling Activities (Sample Description, Sample Time, Requested Analyses):
CHL-ASBBUK27A-101514 - GRAYISH BROWN FIBROUS INSULATING MATERIAL (BETWEEN BRICK AND MORTAR)
CHL-ASBBUK28A-C-101514 - WHITE (SOME BLUE GREEN STAINED) FIRE BRICK "A.P. GREEN 5x6 KEY"
CHL-ASBBUK29(A-C)-101514 - ORANGE, BLACK SPECKS, WEOSTER FIRE BRICK.

Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact): SAMPLES WERE COLLECTED BETWEEN 0830 AND 0915
CHL-ASBBUK30(A-C)-101514 - BRICK MORTAR
CHL-ASBBUK31(A-C)-101514 - BLACK TAR-LIKE COATING ON CONCRETE STACK COMPONENTS

POTENTIAL DIRECT CONTACT, INHALATION HAZARDS TO TRESSPASSERS AND POTENTIALLY WORKERS
Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):
STACK DEBRIS PILES APPEARS AS IF IT WAS LEFT IN PLACE AFTER BEING KNOCKED DOWN DEBRIS FIELD IS LARGE WITH NUMEROUS PHYSICAL HAZARDS, METAL DEBRIS, BRICK AND UNEVEN TERRAIN; WATER AND WIND EROSION APPEAR TO BE WASHING MATERIAL FROM THE STACK PILE AND IS ENCRACHING ON NEIGHBORING PROPERTY

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



Inspection Date: 10/15/14 Feature Identification/Name SMEALTER STACK DEBRIS

Geographic Area: HUBBELL COAL DOCK AREA Property Identification Number: 014-307-001-75

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

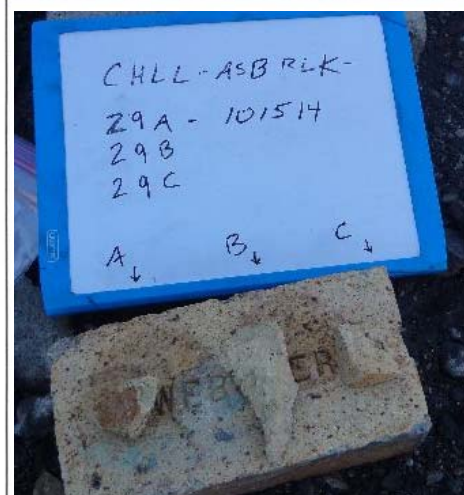
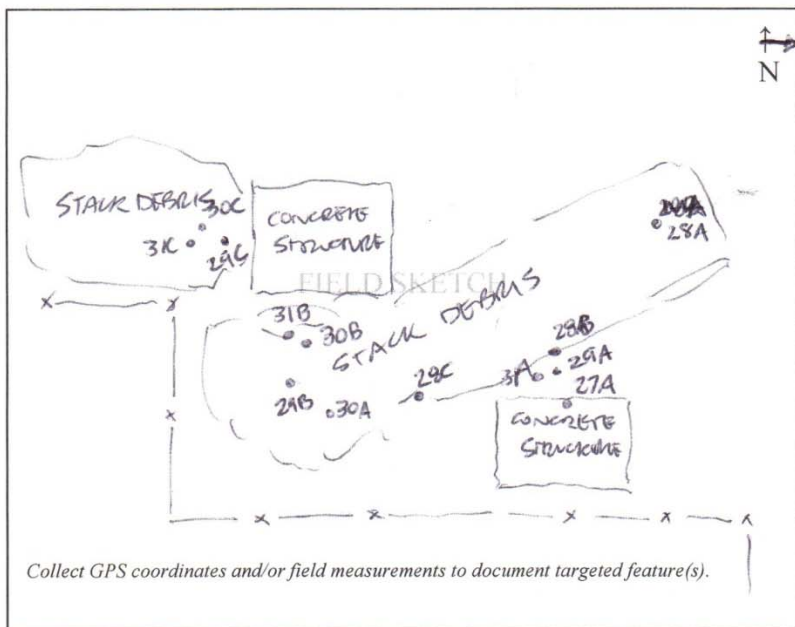
Describe Targeted Feature:

AREA NORTH AND WEST OF THE FORMER SMEALTER PROPERTY; APPEARS TO BE TWO STACKS ONE NORTH CLOSER TO THE MINERAL BUILDING AND ONE SOUTH; STACKS CONSTRUCTED OF VARIOUS SHAPES AND SIZED FIRE BRICK; FINE GRAINED GREENISH BLUE SEDIMENT ERODING FROM STACK DEBRIS, INFILTRATING ON NEIGHBOR PROPERTY
Sampling Activities (Sample Description, Sample Time, Requested Analyses):
CHL-ASBBUK27A-101514 - GRAYISH BROWN FIBROUS INSULATING MATERIAL (BETWEEN BRICK AND MORTAR)
CHL-ASBBUK28A-C-101514 - WHITE (SOME BLUE GREEN STAINED) FIRE BRICK "A.P. GREEN 5x6 KEY"
CHL-ASBBUK29(A-C)-101514 - ORANGE, BLACK SPECKS, WEOSTER FIRE BRICK.

Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact): SAMPLES WERE COLLECTED BETWEEN 0830 AND 0915
CHL-ASBBUK30(A-C)-101514 - BRICK MORTAR
CHL-ASBBUK31(A-C)-101514 - BLACK TAR-LIKE COATING ON CONCRETE STACK COMPONENTS

POTENTIAL DIRECT CONTACT, INHALATION HAZARDS TO TRESPASSERS AND POTENTIALLY WORKERS
Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):
STACK DEBRIS PILES APPEARS AS IF IT WAS LEFT IN PLACE AFTER BEING KNOCKED DOWN DEBRIS FIELD IS LARGE WITH NUMEROUS PHYSICAL HAZARDS, METAL DEBRIS, BRICK AND UNEVEN TERRAIN; WATER AND WIND EROSION APPEAR TO BE WASHING MATERIAL FROM THE STACK PILE AND IS ENCRORACHING ON NEIGHBORING PROPERTY

**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: 10/15/14 Feature Identification/Name SMELTER STACK DEBRIS

Geographic Area: HUBBELL COAL DOCK AREA Property Identification Number: 014-307-001-75

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

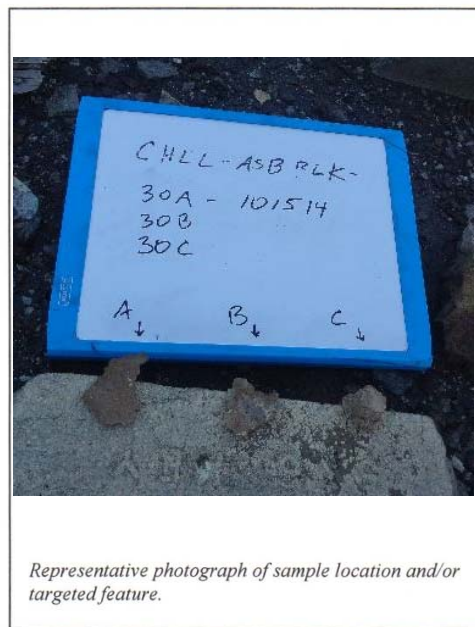
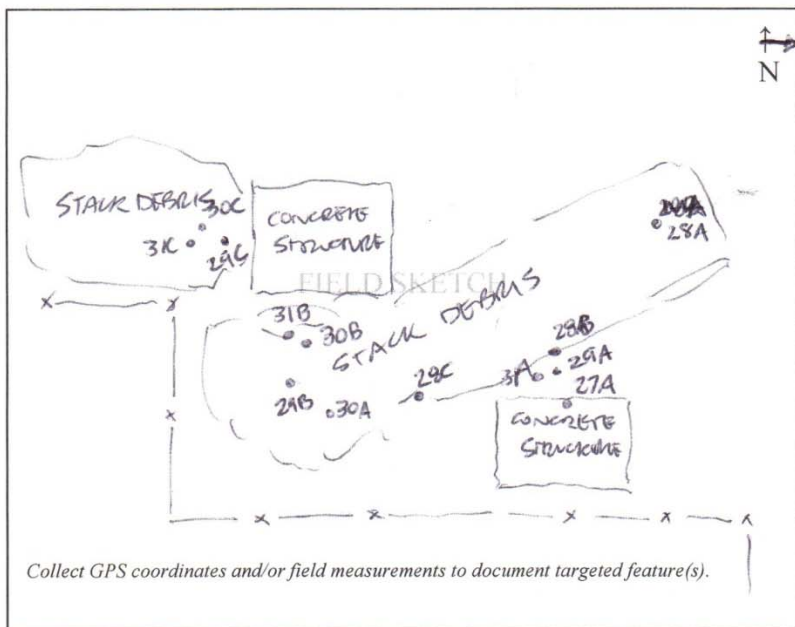
Describe Targeted Feature:

AREA NORTH AND WEST OF THE FORMER SMELTER PROPERTY; APPEARS TO BE TWO STACKS ONE NORTH CLOSER TO THE MINERAL BUILDING AND ONE SOUTH; STACKS CONSTRUCTED OF VARIOUS SHAPES AND SIZED FIRE BRICK; FINE GRAINED GREENISH BLUE SEDIMENT ERODING FROM STACK DEBRIS, INFILTRATING ON NEIGHBOR PROPERTY
Sampling Activities (Sample Description, Sample Time, Requested Analyses):
CHL-ASBBUK27A-101514 - GRAYISH BROWN FIBROUS INSULATING MATERIAL (BETWEEN BRICK AND MORTAR)
CHL-ASBBUK28A-C-101514 - WHITE (SOME BLUE GREEN STAINED) FIRE BRICK "A.P. GREEN 5x6 KEY"
CHL-ASBBUK29(A-C)-101514 - ORANGE, BLACK SPECKS, WEOSTER FIRE BRICK.

Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact): SAMPLES WERE COLLECTED BETWEEN 0830 AND 0915
CHL-ASBBUK30(A-C)-101514 - BRICK MORTAR
CHL-ASBBUK31(A-C)-101514 - BLACK TAR-LIKE COATING ON CONCRETE STACK COMPONENTS

POTENTIAL DIRECT CONTACT, INHALATION HAZARDS TO TRESSPASSERS AND POTENTIALLY WORKERS
Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):
STACK DEBRIS PILES APPEARS AS IF IT WAS LEFT IN PLACE AFTER BEING KNOCKED DOWN DEBRIS FIELD IS LARGE WITH NUMEROUS PHYSICAL HAZARDS, METAL DEBRIS, BRICK AND UNEVEN TERRAIN; WATER AND WIND EROSION APPEAR TO BE WASHING MATERIAL FROM THE STACK PILE AND IS ENCRACHING ON NEIGHBORING PROPERTY

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



Inspection Date: 10/15/14 Feature Identification/Name SMELLER STACK DEBRIS

Geographic Area: HUBBELL COAL DOCK AREA Property Identification Number: 014-307-001-75

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

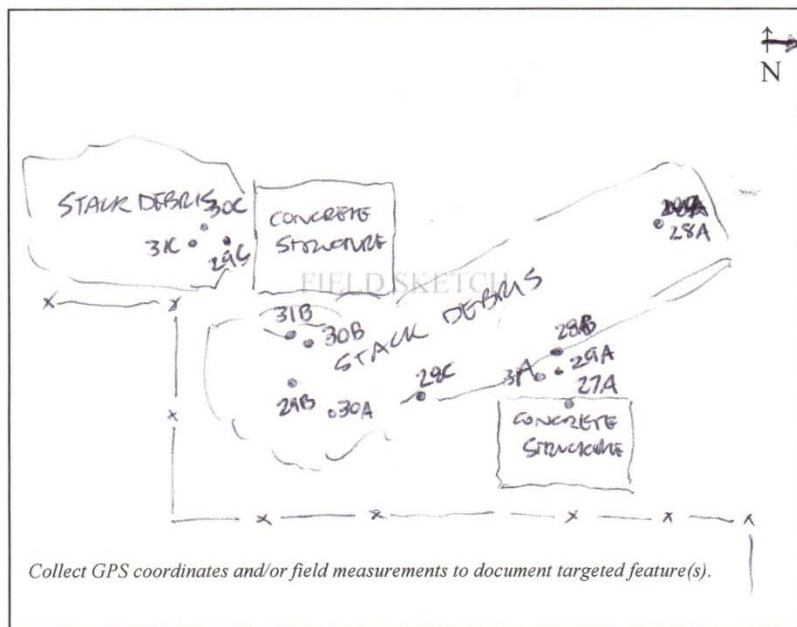
Describe Targeted Feature:

AREA NORTH AND WEST OF THE FORMER SMELTER PROPERTY; APPEARS TO BE TWO STACKS ONE NORTH CLOSER TO THE MINERAL BUILDING AND ONE SOUTH; STACKS CONSTRUCTED OF VARIOUS SHAPES AND SIZED FIRE BRICK; FINE GRAINED GREENISH BLUE SEDIMENT ERODING FROM STACK DEBRIS, INFILTRATING ON NEIGHBOR PROPERTY
Sampling Activities (Sample Description, Sample Time, Requested Analyses):
CHL-ASBBUK27A-101514 - GRAYISH BROWN FIBROUS INSULATING MATERIAL (BETWEEN BRICK AND MORTAR)
CHL-ASBBUK28A-C-101514 - WHITE (SOME BLUE GREEN STAINED) FIRE BRICK "A.P. GREEN 5x6 KEY"
CHL-ASBBUK29(A-C)-101514 - ORANGE, BLACK SPECKS, WEOSTER FIRE BRICK.

Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact): SAMPLES WERE COLLECTED BETWEEN 0830 AND 0915
CHL-ASBBUK30(A-C)-101514 - BRICK MORTAR
CHL-ASBBUK31(A-C)-101514 - BLACK TAR-LIKE COATING ON CONCRETE STACK COMPONENTS

POTENTIAL DIRECT CONTACT, INHALATION HAZARDS TO TRESSPASSERS AND POTENTIALLY WORKERS
Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):
STACK DEBRIS PILES APPEARS AS IF IT WAS LEFT IN PLACE AFTER BEING KNOCKED DOWN DEBRIS FIELD IS LARGE WITH NUMEROUS PHYSICAL HAZARDS, METAL DEBRIS, BRICK AND UNEVEN TERRAIN; WATER AND WIND EROSION APPEAR TO BE WASHING MATERIAL FROM THE STACK PILE AND IS ENCRACHING ON NEIGHBORING PROPERTY

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



Inspection Date: 10/15/14 Feature Identification/Name: SMELTER STACK DEBRIS

Geographic Area: HUBBELL COAL DOCK AREA Property Identification Number: 014-307-001-75

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

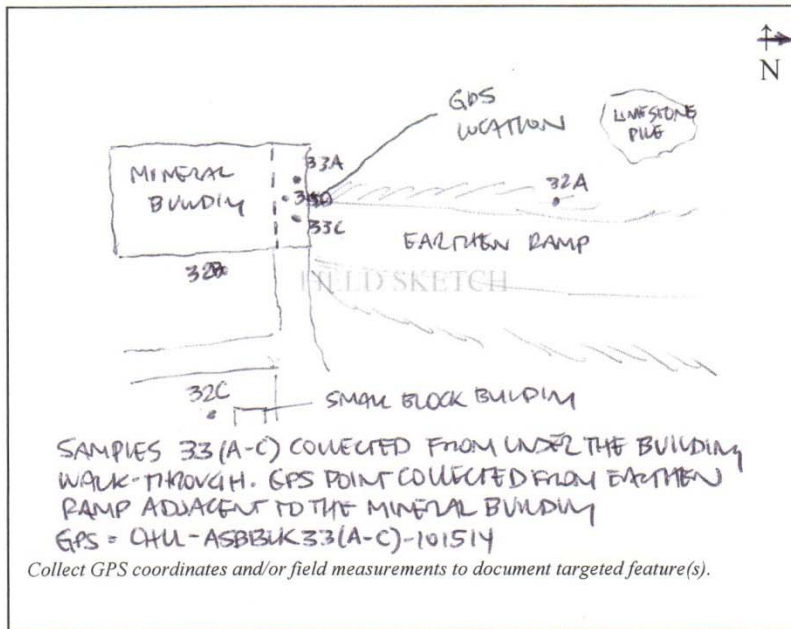
Describe Targeted Feature:

AREA NORTH AND WEST OF THE FORMER SMELTER PROPERTY; APPEARS TO BE TWO STACKS ONE NORTH CLOSER TO THE MINERAL BUILDING AND ONE SOUTH; STACKS CONSTRUCTED OF VARIOUS SHAPES AND SIZED FIRE BRICK; FINE GRAINED GREENISH BLUE SEDIMENT ERODING FROM STACK DEBRIS, INFILTRATING ON NEIGHBOR PROPERTY
Sampling Activities (Sample Description, Sample Time, Requested Analyses):
CHL-ASBBUK27A-101514 - GRAYISH BROWN FIBROUS INSULATING MATERIAL (BETWEEN BRICK AND MORTAR)
CHL-ASBBUK28A-C-101514 - WHITE (SOME BLUE GREEN STAINED) FIRE BRICK "A.P. GREEN 5x6 KEY"
CHL-ASBBUK29(A-C)-101514 - ORANGE, BLACK SPECKS, WEOSTER FIRE BRICK.

Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact): SAMPLES WERE COLLECTED BETWEEN 0830 AND 0915
CHL-ASBBUK30(A-C)-101514 - BRICK MORTAR
CHL-ASBBUK31(A-C)-101514 - BLACK TAR-LIKE COATING ON CONCRETE STACK COMPONENTS

POTENTIAL DIRECT CONTACT, INHALATION HAZARDS TO TRESSPASSERS AND POTENTIALLY WORKERS
Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):
STACK DEBRIS PILES APPEARS AS IF IT WAS LEFT IN PLACE AFTER BEING KNOCKED DOWN DEBRIS FIELD IS LARGE WITH NUMEROUS PHYSICAL HAZARDS, METAL DEBRIS, BRICK AND UNEVEN TERRAIN; WATER AND WIND EROSION APPEAR TO BE WASHING MATERIAL FROM THE STACK PILE AND IS ENCRACHING ON NEIGHBORING PROPERTY

**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: 10/15/14 Feature Identification/Name MINERAL BUILDING - PLASTER & ROOFING

Geographic Area: HUBBELL COM DOK Property Identification Number: 014-307-001-75

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:

CEMENTITIOUS PLASTER FALLING FROM MASONRY WALLS AND CEILING UNDER WALK-THROUGH. BLACK ASPHALTIC ROOFING WITH SILVER COATING, APPEARS TO BE BLOWING FROM THE MINERAL BUILDING - WIDELY DISTRIBUTED ACROSS THE PROPERTY.

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

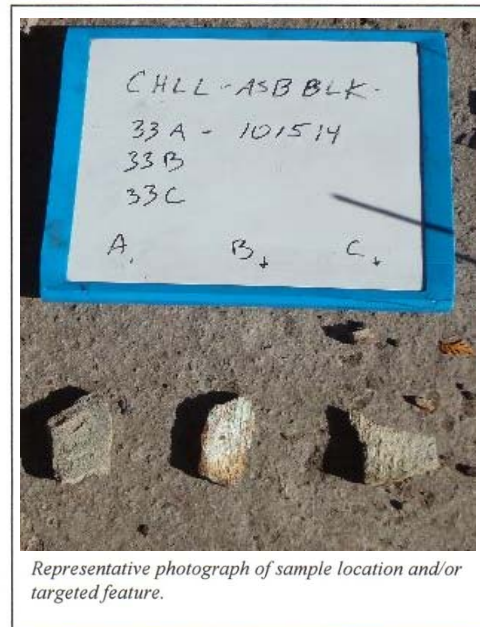
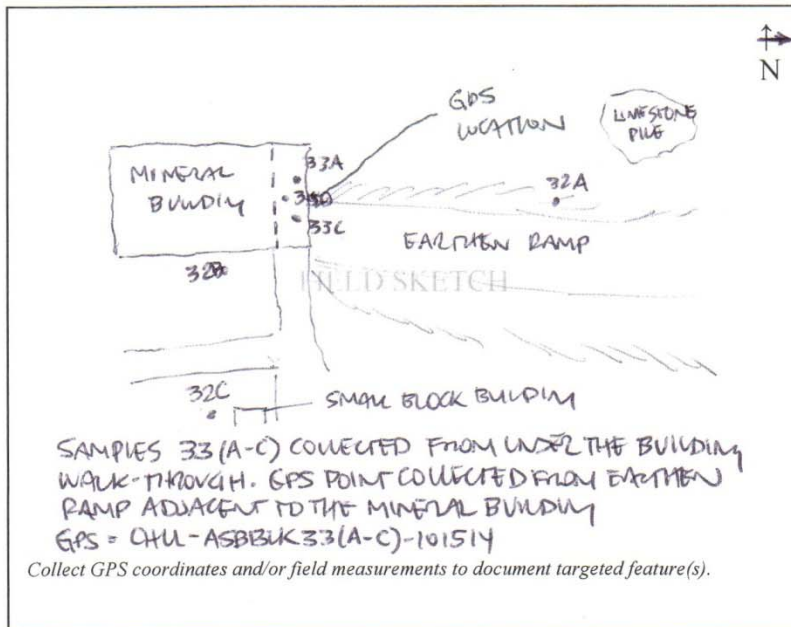
CHL-ASBBUK 32A-101514 - BLACK ASPHALTIC ROOFING MATERIAL
CHL-ASBBUK 33(A-C)-101514 - WHITISH GREY CEMENTITIOUS WALL PLASTER
SAMPLE TIME BETWEEN 0945-1010

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

ROOFING MATERIAL IS WIDELY DISTRIBUTED ACROSS THE SITE; SUSPECTED TO BE BLOWN FROM THE ROOF, CEMENTITIOUS MATERIAL CRUMBING AND PEELING FROM THE STRUCTURE; POTENTIAL EXPOSURE RELATED TO WIND AND WATER DISPERSION AND

Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts): TRANSPORT OF THE TRESSPASSERS COULD BE EXPOSED TO DAMAGED MATERIALS. DAMAGED MATERIALS

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



Inspection Date: 10/15/14 Feature Identification/Name MINERAL BUILDING - PLASTER & ROOFING

Geographic Area: HUBBELL COM DOK Property Identification Number: 014-307-001-75

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:

CEMENTITIOUS PLASTER FALLING FROM MASONRY WALLS AND CEILING UNDER WALK-THROUGH. BLACK ASPHALTIC ROOFING WITH SILVER COATING, APPEARS TO BE BLOWING FROM THE MINERAL BUILDING - WIDELY DISTRIBUTED ACROSS THE PROPERTY.

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

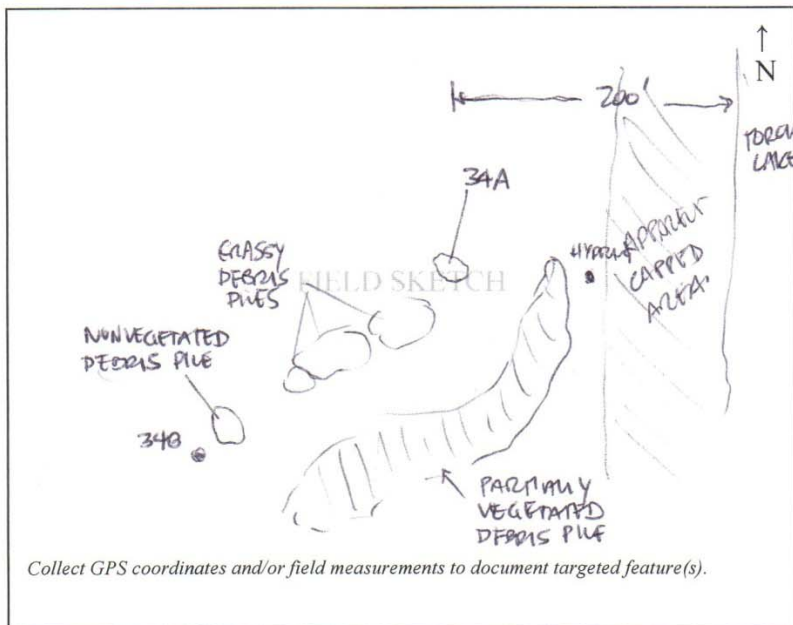
CHL-ASBBLK 32A-101514 - BLACK ASPHALTIC ROOFING MATERIAL
CHL-ASBBLK 33(A-C)-101514 - WHITISH GREY CEMENTITIOUS WALL PLASTER
SAMPLE TIME BETWEEN 0945-1010

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

ROOFING MATERIAL IS WIDELY DISTRIBUTED ACROSS THE SITE; SUSPECTED TO BE BLOWN FROM THE ROOF, CEMENTITIOUS MATERIAL CRUMBING AND PEELING FROM THE STRUCTURE; POTENTIAL EXPOSURE RELATED TO WIND AND WATER DISPERSION AND

Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts): TRANSPORT OF THE TRESSPASSERS COULD BE EXPOSED TO DAMAGED MATERIALS. DAMAGED MATERIALS

**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: 10/15/14 Feature Identification/Name MINERAL BUILDING - DEBRIS PILE

Geographic Area: HUBBEN COAL DOK Property Identification Number: 014-307-001-75

OBSERVATIONS (Including description and sketch) Inspector/Sampler: D. UEDAU / M. CASTINO

Circle the appropriate answer;

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

Describe Targeted Feature:

MATERIAL HAS A FIRE BRICK APPEARANCE, MINIMALLY ASSUMED TO HAVE BEEN USED IN A "HOTWORK" PROCESS; POSSIBLE FORMS OR SUPPORTS

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

MOLDED CEMENTITIOUS BLOCK MATERIAL, YELLOWISH ORANGE, LABELED "DURO 8759-15" CONE, RECTANGULAR AND CYLINDER SHAPES - 2-5' DIAMETER PILES

CHLL-ASB BLK 34A-101514 & CHLL-ASB BLK 34B-101514

SAMPLE TIMES BETWEEN 1020 AND 1025

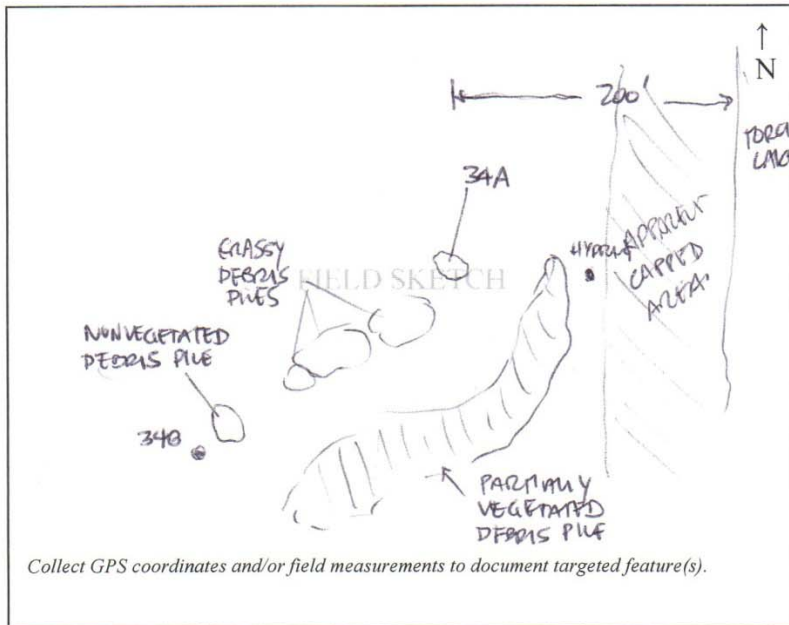
Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

MATERIALS ARE DAMAGED, BUT GENERALLY APPEAR TO BE RESISTANT TO EROSION FORCES, COLORS ARE NOT OBVIOUSLY DULLED OR DEGRADING; PILES ARE SMALL, BETWEEN 5-10' IN DIAMETER, LESS THAN 1 FOOT TALL, - PHYSICAL HAZARDS ARE LIMITED

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

OVERALL AREA IS COVERED BY WASTE PILES, BLACK CINDER MATERIAL AND STRESSED VEGETATION, PILE (34A) IS LOCATED IN STANDING WATER

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



Inspection Date: 10/15/14 Feature Identification/Name MINERAL BUILDING - DEBRIS PILE

Geographic Area: HUBBEN COAL DOK Property Identification Number: 014-307-001-75

OBSERVATIONS (Including description and sketch) Inspector/Sampler: D. UEDAU / 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 HAS A FIRE BRICK APPEARANCE, MINIMALLY ASSUMED TO HAVE BEEN USED IN A "HOT WORK" PROCESS; POSSIBLE FORMS OR SUPPORTS

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

MOLDED CEMENTITIOUS BLOCK MATERIAL, YELLOWISH ORANGE, LABELED "DURO 8759-15" CONE, RECTANGULAR AND CYLINDER SHAPES - 2-5' DIAMETER PILES

CHLL-ASB BLK 34A-10/15/14 & CHLL-ASB BLK 34B-10/15/14

SAMPLE TIMES BETWEEN 1020 AND 1025

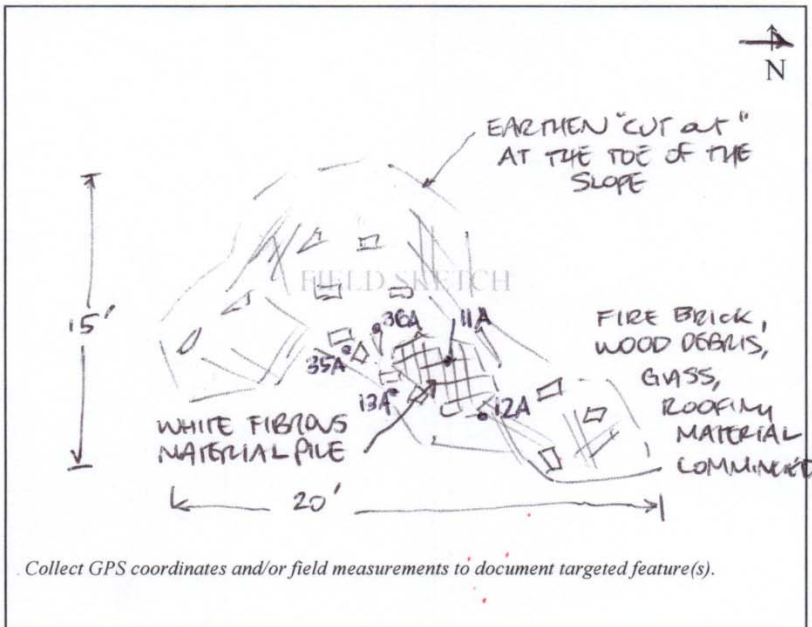
Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

MATERIALS ARE DAMAGED, BUT GENERALLY APPEAR TO BE RESISTANT TO EROSION FORCES, COLORS ARE NOT OBVIOUSLY DULLED OR DEGRADING; PILES ARE SMALL, BETWEEN 5-10' IN DIAMETER, LESS THAN 1 FOOT TALL, - PHYSICAL HAZARDS ARE LIMITED

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

OVERALL AREA IS COVERED BY WASTE PILES, BLACK CINDER MATERIAL AND STRESSED VEGETATION, PILE (34A) IS LOCATED IN STANDING WATER

**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: 10/14/14 Feature Identification/Name COMMINGLED DEBRIS PILE

Geographic Area: HUBBELL COAL DOCK Property Identification Number: 014 307-001-25

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

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:

DECON-SACMOS - APPROXIMATE 2'x2'x2' PILE OF COMMINGLED WASTE, INCLUDES THREE DIFFERENT MATERIALS (BROWN) WITH GLASS FRAGMENTS AND OTHER DEBRIS

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

CHL-ASBBLK11A-101414 - WHITE FIBROUS MATERIAL
CHL-ASBBLK12A-101414 - BLACK ASPHALTIC ROOFING MATERIAL
CHL-ASBBLK13A-101414 - GRAY PLASTER, 1/4" THICK

SAMPLES COLLECTED
AT 1020

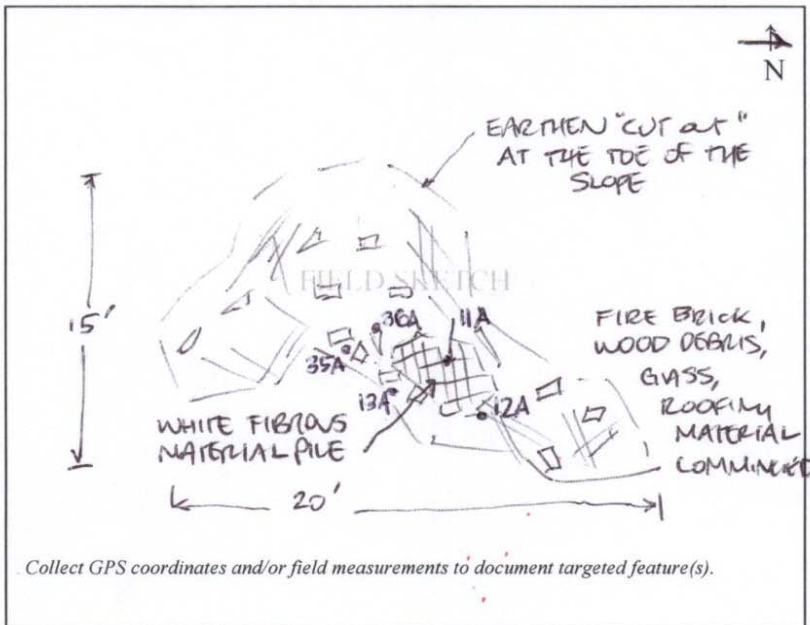
Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

DEBRIS PILE ALONG THE HILLSIDE INCLUDES BRICK AND BUILDING MATERIALS, WOOD DEBRIS WITH A WHITISH GREY FIBROUS PILE IN THE MIDDLE; MATERIAL IS DAMAGED AND FRAGILE; POTENTIAL EXPOSURE TO TRESPASSERS DUE TO SACM

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

CHL-ASBBLK35A-101514: PINK FIRE BRICK
CHL-ASBBLK36A-101514: YELLOWISH ORANGE FIRE BRICK
SAMPLES COLLECTED AT 1030

**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: 10/14/14 Feature Identification/Name COMMINUED DEBRIS PILE

Geographic Area: HUBBELL COAL DOCK Property Identification Number: 014 307-001-25

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

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:

DECON-SACMOS - APPROXIMATE 2'x2'x2' PILE OF COMMINUED WASTE, INCLUDES THREE DIFFERENT MATERIALS (BELOW) WITH GLASS FRAGMENTS AND OTHER DEBRIS

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

CHL-ASBBLK11A-101414 - WHITE FIBROUS MATERIAL
CHL-ASBBLK12A-101414 - BLACK ASPHALTIC ROOFING MATERIAL
CHL-ASBBLK13A-101414 - GRAY PLASTER, 1/4" THICK

SAMPLES COLLECTED
AT 1020

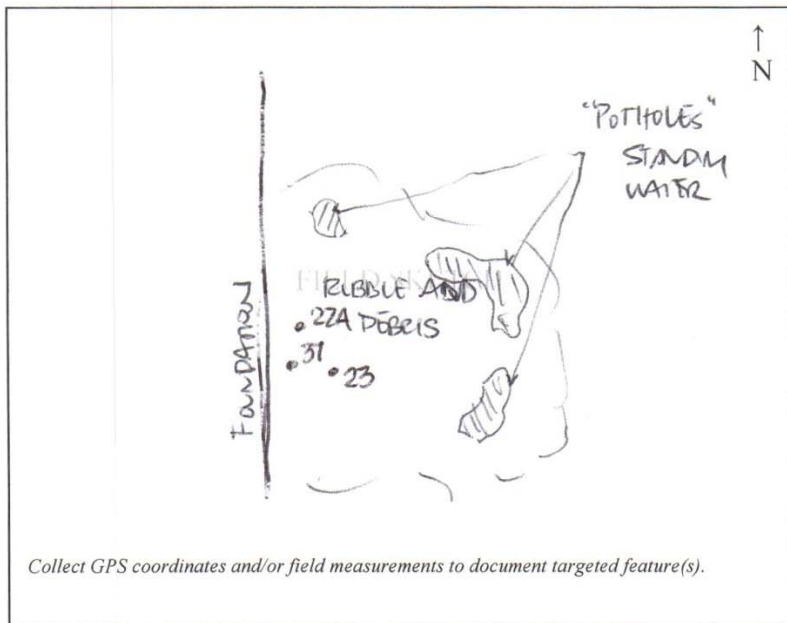
Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

DEBRIS PILE ALONG THE HILLSIDE INCLUDES BRICK AND BUILDING MATERIALS, WOOD DEBRIS WITH A WHITISH GREY FIBROUS PILE IN THE MIDDLE; MATERIAL IS DAMAGED AND FRAGILE; POTENTIAL EXPOSURE TO TRESPASSERS DUE TO SACM

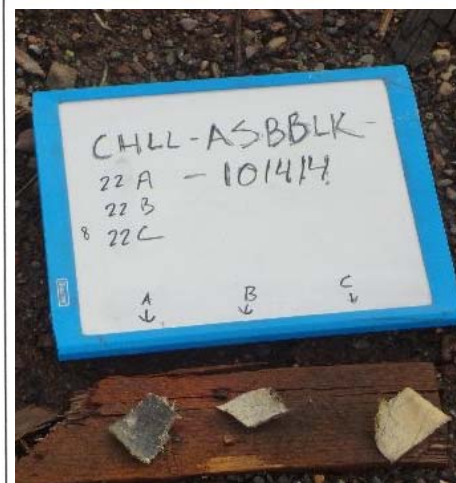
Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts): AND PHYSICAL HAZARDS

CHL-ASBBLK35A-101514: PINK FIRE BRICK
CHL-ASBBLK36A-101514: YELLOWISH ORANGE FIRE BRICK
SAMPLES COLLECTED AT 1030

**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).



Corrected: CHLL-ASBBLK-37-101414

Representative photograph of sample location and/or targeted feature.

Inspection Date: 10/14/14 Feature Identification/Name: RESIDUAL PROCESS MATERIALS/
SUSPECT BEN AREA.

Geographic Area: COAL DOCK PROPERTY Property Identification Number: D14-307-09-25

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

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 OF DEBRIS AND WASTE MATERIALS, ROCKS, CONCRETE, WOOD DEBRIS, WIRE SHEATHING, ROPEWRAP, CIRCUITBOARD FRAGMENTS, GREENISH BLUE SLAMM THROUGHOUT

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

CHLL-ASBBLK 22A-C-101414 - FIBROUS ROPE-LIKE MATERIAL, WHITE/GRAY, (WIRE WRAP)
CHLL-ASBBLK 22A-C-101414 - BLACK WRAPPED, WHITE FIBROUS MAT, (WIRE SHEATHING)
CHLL-ASBBLK 22A-C-101414 - EXTERIOR BROWN, INTERIOR ORANGE, CIRCUITBOARD WASTE

Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact): SAMPLES WERE COLLECTED AT 1440
EXPOSURE PATHWAYS INCLUDE THE MIGRATION OF CONTAMINANTS FROM DAMAGED SACM AND CHEMICALLY CONTAMINATED MEDIA. WIND AND WATER EROSION COULD RESULT IN THE MIGRATION OF CONTAMINANTS

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

SAMPLE CHLL-ASBBLK 23A-101414 WAS RELABELED CHLL-ASBBLK 37A-C-101414
AND SAMPLE CHLL-ASBBLK-24A-C-101414 WAS RELABELED CHLL-ASBBLK 23A-C-101414
DUE TO A DUPLICATION OF INFORMATION RECORDED IN THE FIELD.