Appendix A

Notices and Forms Required by BEA Process

Notices Required by BEA Process

This appendix include notices and forms required under Part 201 including the following:

- Form EQP 4446 – Disclosure of a Baseline Environmental Assessment.
- Form EQP 4476 – Notice Regarding Discarded or Abandoned Containers
- Form EQP 4482 – Notice of Migration and Contamination

Form EQP4446

FOR DEQ USE ONLY
BEA Disclosure # D200900424UP

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
REMEDIATION AND REDEVELOPMENT DIVISION

DISCLOSURE OF A BASELINE ENVIRONMENTAL ASSESSMENT
(FORM EQP4446 (REV. 4/03))

(Under the authority of Part 201, 1994 Act 451, as amended, and the Rules promulgated thereunder)

DO NOT use this form for requesting a Baseline Environmental Assessment ("BEA") adequacy determination, OR if the property is not a facility, OR if the BEA was complete before the effective date of the BEA rules. *Please answer the following questions as completely as possible.*

Name and address of submitter (individual or legal entity):*
Kennecott Eagle Land, LLC
504 Spruce Street
Ishpeming, MI 49849

Status relative to the property:

	Former	Current	Prospective
Owner*	☐	☐	☒
Operator*	☐	☐	☒

Address/location of property where BEA was conducted:
4547 County Road 601
Champion, MI

County: Marquette

Provide the property tax identification number(s) or, if applicable, the ward and item number(s) for the property identified in the BEA. Required pursuant to Rule 907.

Contact person: Jonathan C. Cherry Telephone #: (906) 486-1257

If the address of the person seeking liability protection above is different from the address that should be used to correspond with the contact person, please provide the contact person's address:

Check the appropriate response to each of the following questions.

1. **Is it known that the source of contamination at the property is primarily from any of the following?**

	YES	NO
• **A leaking underground storage tank (UST) regulated under Part 213, 1994 PA 451, as amended.**	☐	☒
• **A licensed landfill or solid waste management facility.**	☐	☒
• **A licensed hazardous waste treatment, storage, or disposal facility.**	☐	☒
• **Oil and gas development related activities.**	☐	☒

The source of the release that resulted in this property becoming a "facility" will determine which DEQ division will maintain a file regarding this BEA.

2. **Based on the Part 201 Rules, this BEA is a:**

Category N ☒
Category D ☐
Category S ☐

3. **Is the property at which the BEA was conducted a "facility"* as defined by Section 20101?** If the answer to this question is NO, do not submit the BEA to the DEQ.

YES	NO
☒	☐

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4. **Was the BEA conducted* prior to or within 45 days after the date of purchase*, occupancy, or foreclosure of the property, whichever is earliest, and completed* not more than 15 days after the date required by Section 20126(1)(c) or Rule 299.5903(8)?** If the answer to either portion of this question is no, you are ineligible for an exemption from liability based on the BEA. — YES ☒ NO ☐

5. **Is the BEA being disclosed to the DEQ no later than 8 months after the earliest of the date of purchase, occupancy, or foreclosure?** All disclosures pursuant to Rule 919(3) must be submitted to the DEQ no later than 8 months after the earliest of the date of purchase, occupancy, or foreclosure. — YES ☒ NO ☐

6. **Are any USTs or abandoned or discarded containers identified in the BEA?** If yes, this information must be provided on Form EQP4476. — YES ☒ NO ☐

7. **Does this BEA rely on an isolation zone or an engineering control that requires an affidavit pursuant to Rule 299.5909(3) or 299.5909(4)?** If yes, a completed affidavit, Form EQP4479, must be attached or the BEA will not be considered complete. — YES ☐ NO ☒

With my signature below, I certify that the enclosed BEA and all related materials are complete and accurate to the best of my knowledge and belief. I understand that intentionally submitting false information to the DEQ is a felony and may result in fines up to $25,000 for each violation.

Signature of Submitter: _____ 3-25-09
(Person legally authorized to bind the person seeking liability protection) Date

Name (Typed or Printed) Jonathan C. Cherry

Title General Manager

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Form EQP4476

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
REMEDIATION AND REDEVELOPMENT DIVISION

FOR DEQ USE ONLY
ITS# 200952000002
Site ID# 52000065

NOTICE REGARDING DISCARDED OR ABANDONED CONTAINERS (FORM EQP4476 REV. 4/03))
(Under the authority of Part 201, 1994 Act 451, as amended, and the Rules promulgated thereunder)

Use this form to disclose information related to underground storage tanks (UST) and discarded or abandoned containers required in a Baseline Environmental Assessment (BEA) pursuant to the Part 9 Rules. Submission of this form in a BEA also satisfies the notification requirements of Rule 1015(1) of the Part 10 Rules. This form may also be used, NOT in conjunction with a BEA, to satisfy the notification requirements of Rule 1015(1) of the Part 10 Rules.

All persons providing this notice must complete Section I. Section II must be completed by only those persons who are submitting this form NOT in conjunction with a BEA.

SECTION I

1. Name and Address of person subject to Section 7a:
Kennecott Eagle Land, LLC
504 Spruce Street
Ishpeming, MI 49849

2. Address/location of property where containers are located:
4547 County Road 601
Champion, MI

County: Marquette

3. What is your status relative to the property?

	Current	Prospective
Owner	☒	☐
Operator	☒	☐

4. Provide a scaled map or drawing of the property that identifies the property boundaries and surrounding property uses. Depict the approximate location(s) of all known discarded or abandoned containers on the drawing. Refer to the locations when completing the attached table. **See Figure 1-2 for property boundaries and surrounding property ownership. See Figure 3-2 for approximate container locations. Locations are referenced by location number.**

5. Provide photographs, if practical, that depict the location and general condition of the containers. **Photographs for some of the containers are referenced in the attached table and are attached to form.**

6. Complete the attached table.

If this form is being submitted in conjunction with a BEA, skip Section II and go to Signature section.

SECTION II

8. Did you previously submit a BEA to the DEQ for this property? Yes ☐ No ☐ If yes, provide the following information:
   8a. Provide the date the BEA was submitted. ____
   8b. Provide the BEA Disclosure or Petition Number, if available. ____

9. Do you anticipate submitting a BEA for the property? Yes ☐ No ☐

10. Provide the date you became the owner or operator of this property. ____

10. When did you first acquire knowledge of the UST(s) or discarded or abandoned container(s)?

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With my signature below, I certify that the information provided herein is true and accurate to the best of my knowledge and belief. I understand that intentionally submitting false information to the DEQ is a felony and may result in fines of up to $25,000 for each violation.

Signature of owner or operator or person legally authorized by owner or operator — Date: 3-25-09

Jonathan C. Cherry — Name (typed or printed)

General Manager — Title (typed or printed)

DEQ DEPARTMENT OF ENVIRONMENTAL QUALITY
REMEDIATION AND REDEVELOPMENT DIVISION

NOTICE OF UNDERGROUND STORAGE TANKS AND DISCARDED OR ABANDONED CONTAINERS

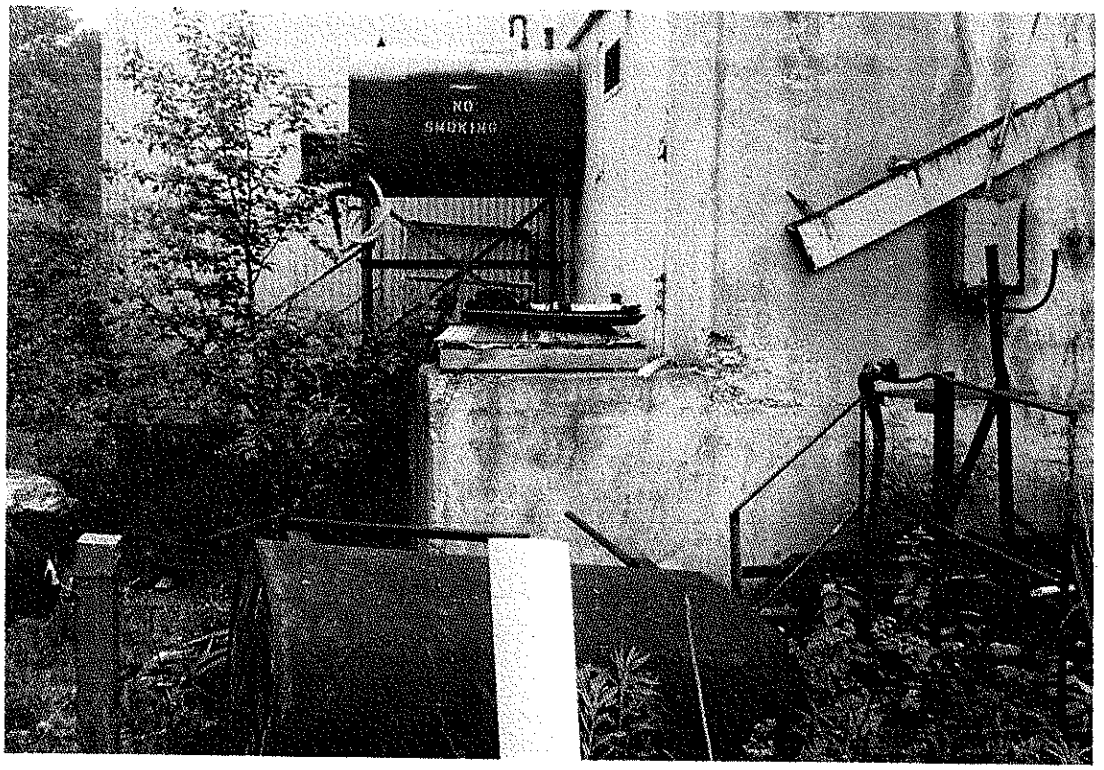
A	B		D	E	F	G
LOCATION	**CONTAINER SIZE AND TYPE**	**NUMBER OF CONTAINERS**	**VOLUME OF HAZARDOUS SUBSTANCE(S)**	**CONTENTS**	**CONDITION OF CONTAINER**	**PHOTOS PROVIDED**
1- Behind Maintenance Shop - Small oil ASTs	Approximately 500 gallons	2	Unknown if present	Presumably used for fuel oil	Good	Photograph 2
2 – Southeast Corner of Main Mill - Pyrite AST	Approximately 20 tons	1	Unknown	Pyritic material from gold operations	Has leaked material into mill building	Photograph 3
3- Main Mill - Small Mix Tanks in basement of mill building	Approximately 1,000 gal each	5	Unknown	Used in gold ore processing	Fair to Good	None available
4 – Maintenance shop – west end	4 @ 55 gals 1 @ 150 gals	5	Approx. 370 gal.	MIBC frothing agent	Good, but very rusty	Photograph 9
5 – Maintenance shop – west end	Various small containers	Approx. 30	10-15 gallons	Laboratory reagents and paint cans	Good	Photograph 7
6 – Crusher building	55 gal drums and supersacks	Approx. 100	Approx. 5,000 gal	Alumina and industrial minerals; grit blast waste	Fair to Good	Photograph 8
7 – Main Mill building – center and west side on operation floor	55 gal drums	Approx. 30	Approx. 1,700 gal	Mill reagent aero depressant 633	Good	Not available

8 – Main Shop – North side	55 - gal drums	10	Sealed – assume containers full at 550 gallons	Some may have oil residual	Fair	Not available
9 – Open shelter adjacent Main Mill	55 – gal drums	7-8	Unknown – sealed	Unknown	Fair	Photograph 1
10 – Open bins and supersacks in maintenance shop	10 cu yd bin 20 cu yd sack	10 bins About 30 supersacks	All containers full	Alumina, ferrite materials	Fair	Photograph 5
11 – Lab assay waste	30-gal drums	2	60 gal	Lab assay waste	Poor	Photograph 6
12 – Maintenance Shop – Used Transformers	Transformers with fluid	3	Approx. 100 gallons each	Mineral oil fluid	Good	Photograph 10
13- Maintenance Shop – south side by bay doors	55-gallon fiber & plastic drums	Approx. 20	Approx 550 gallons	Alumina & industrial materials	Fair	None available
14- Maintenance Shop	55-gallon metal drums	5	Sealed containers - Approx. 275 gallons assuming full	Unknown	Fair	None available
15 – Boiler Room	55-gallon metal drums	4	Partially full – approx. 100 gallons	Unknown	Fair	Photograph 12
16 – Assay Lab	Small glass containers reagents & 5-can buckets of Litharge	Approx 20 bottles reagents & 5 cans litharge	20 liters reagents and 25 gallons litharge	Litharge and miscellaneous acids	Good	None available

17- Main Mill	Approx 20 tons	4	Residuals in bottom from operations – volume unknown	Presumably lower grade materials from gold ore processing operations	Fair to Good	None available
18 – Main Mill – East wall	Approx. 500 gallons	1	Approx. 250 gallons	Unknown dark liquid – could be oil or water	Good	None available
19 – Main Mill – basement	500 gallon tubs	10	5,000 gallons	Cleanup material from floor	Good	Photograph 11
20 – Main mill – basement	500 gallons tubs	2	1,000 gallons	Cleanup Material & Water	Good	None available
21 – Main Mill – operation floor	55-gallon metal drums	10	550 gallons	Ground solid material from industrial materials process	Good	Photograph 13
22 – Main Mill – operation floor	55-gallon metals drum	15	825 gallons	Grinding media & dust	Good	None available
23 – Main Mill – white tank outside NE corner	Approx 100 gallons	1	100 gallons	Sealed – unknown	Good	None available
24 – Main Mill – upper area outside on east end of building	100 gallons tanks	7	Unknown – but may be empty	Unknown	Fair to Good	None available
25 – Main Mill – west side on operation floor	30 gallon drums	4	Approx. 120 gallons	Oils & Lubricants	Good	None available

Photograph 1 – June 2006 by Curtis Dungey

Description: Drums and debris under cover adjacent mill building.

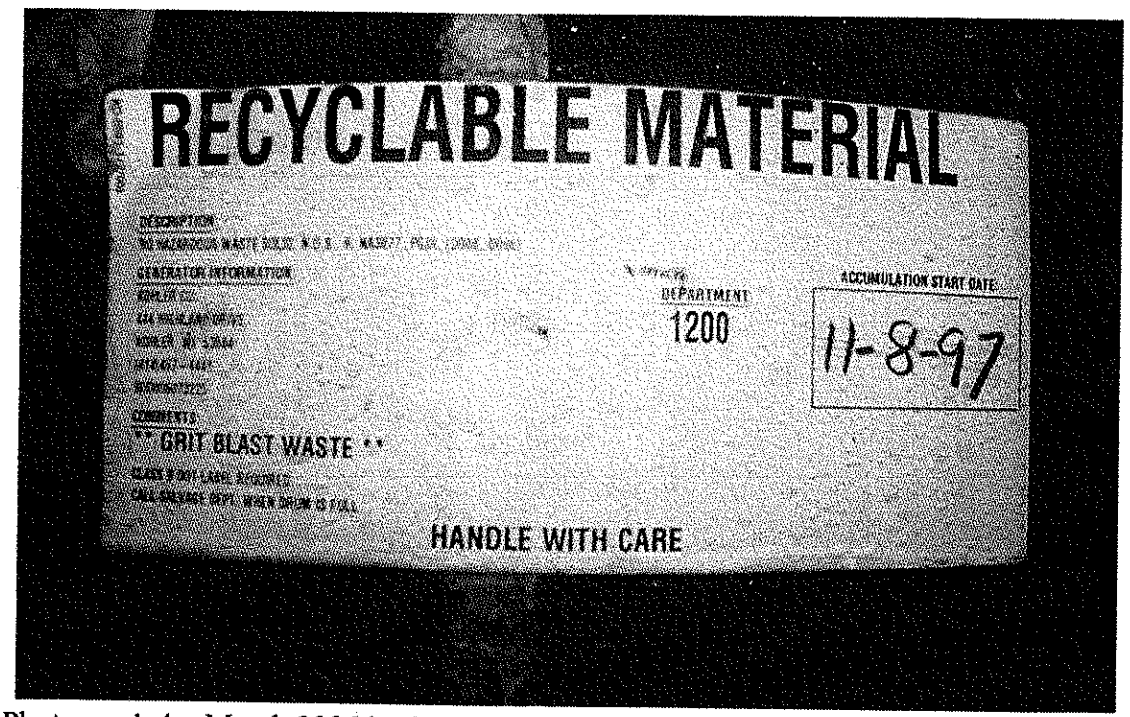


Photograph 2 – June 2006 by Curtis Dungey

Description: Two small ASTs located behind mill – GW monitoring well in foreground.

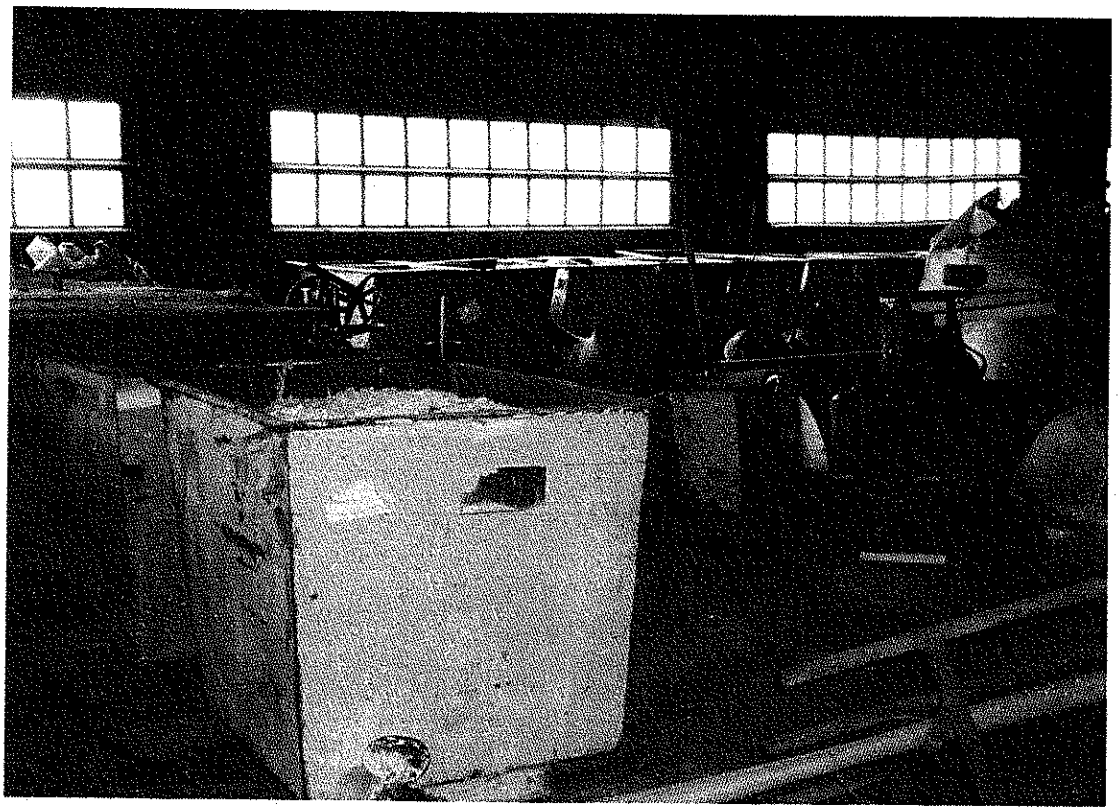
Photograph 3 – June 2006 by Curtis Dungey

Description: East end of mill building – thickener on SE corner with storage silo on NE corner.



Photograph 4 – March 2006 by Scott Janssen

Description: Label on sealed drum, suggesting material may be hazardous waste.

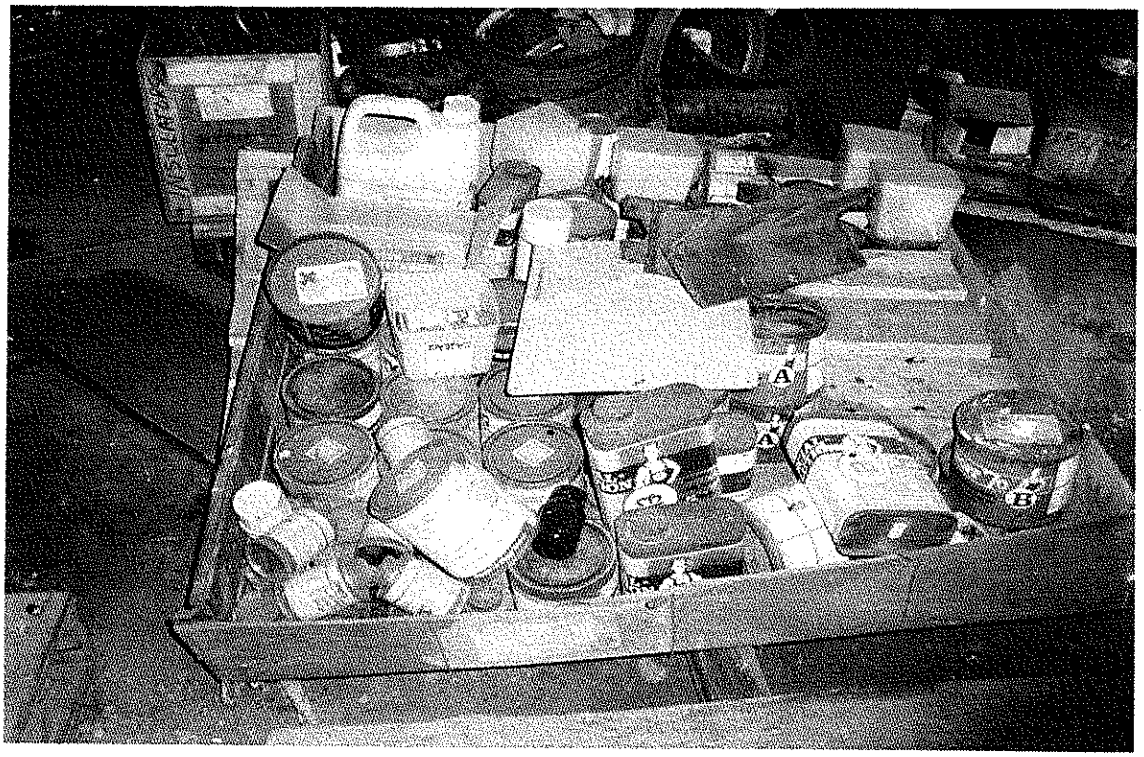


Photograph 5 – March 2006 by Scott Janssen

Description: Open bins and supersacks of materials stored in maintenance shop.

Photograph 6 – March 2006 by Scott Janssen

Description: Staining on floor of old lunchroom area from storage of fire assay waste.

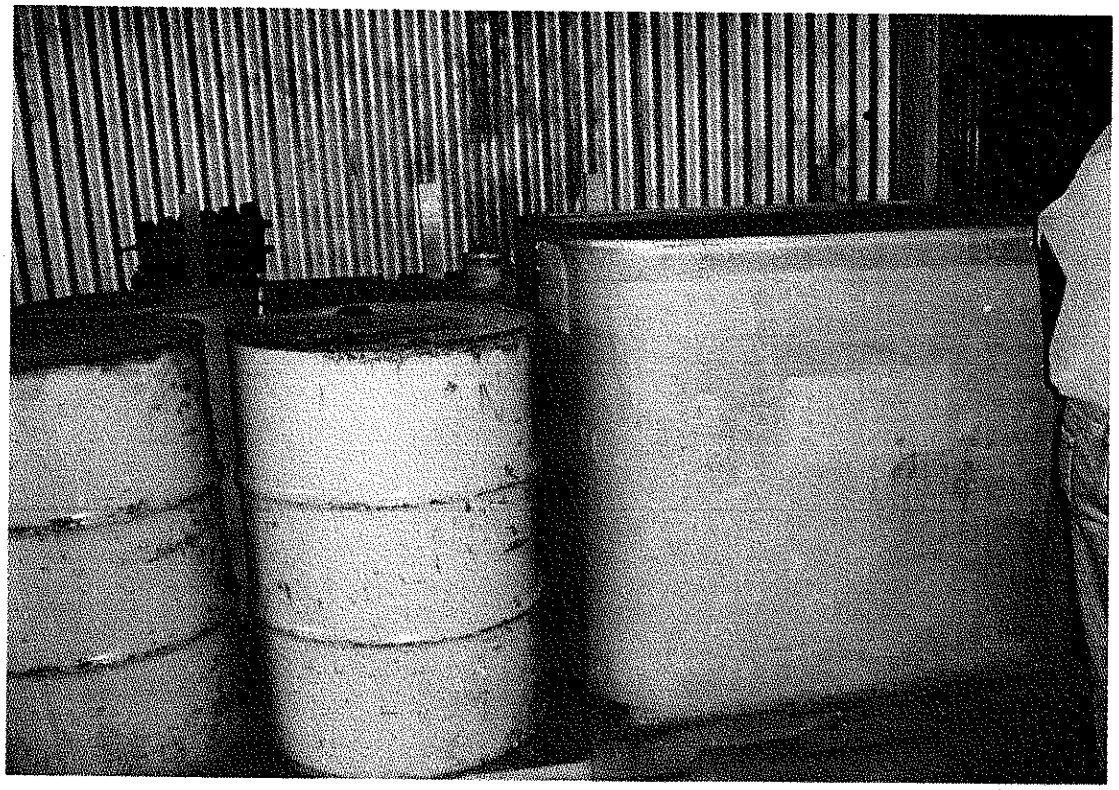


Photograph 7 – June 2006 by Curtis Dungey

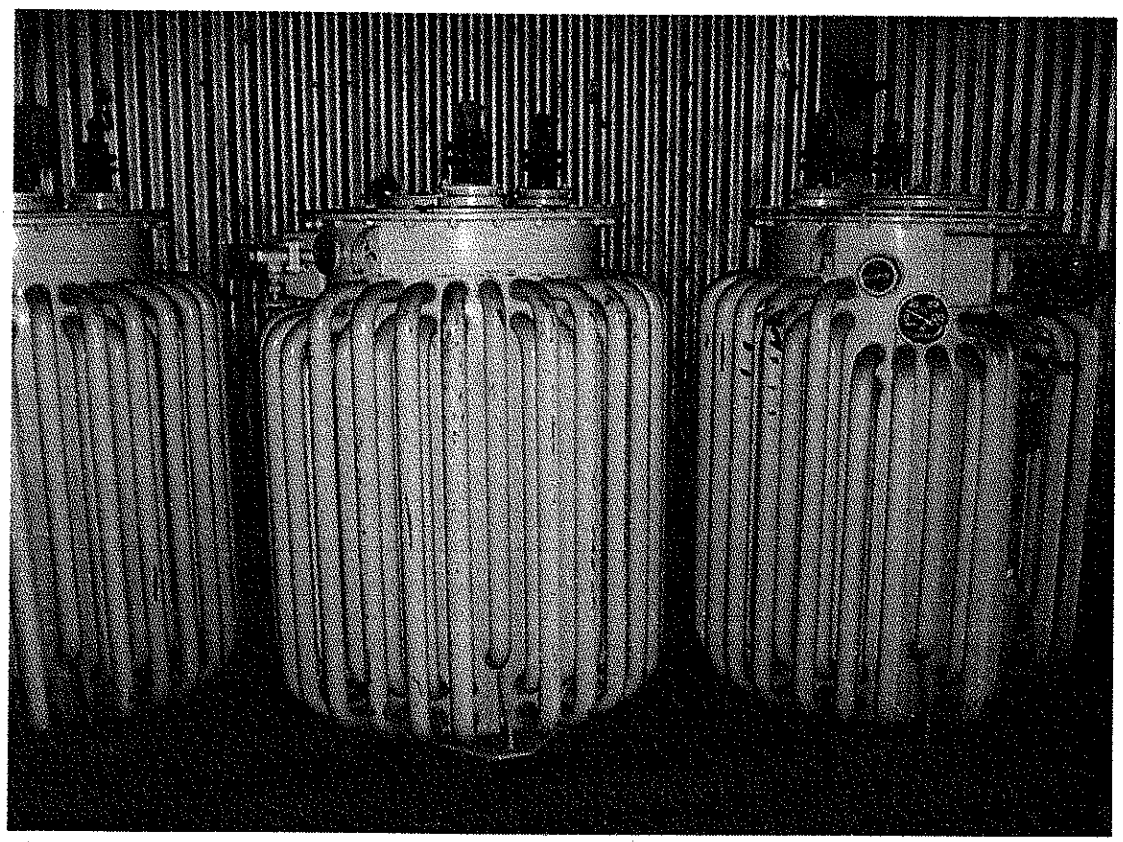
Description: Remaining paints and chemicals stored in west end of shop area.

Photograph 8 – March 2006 by Scott Janssen

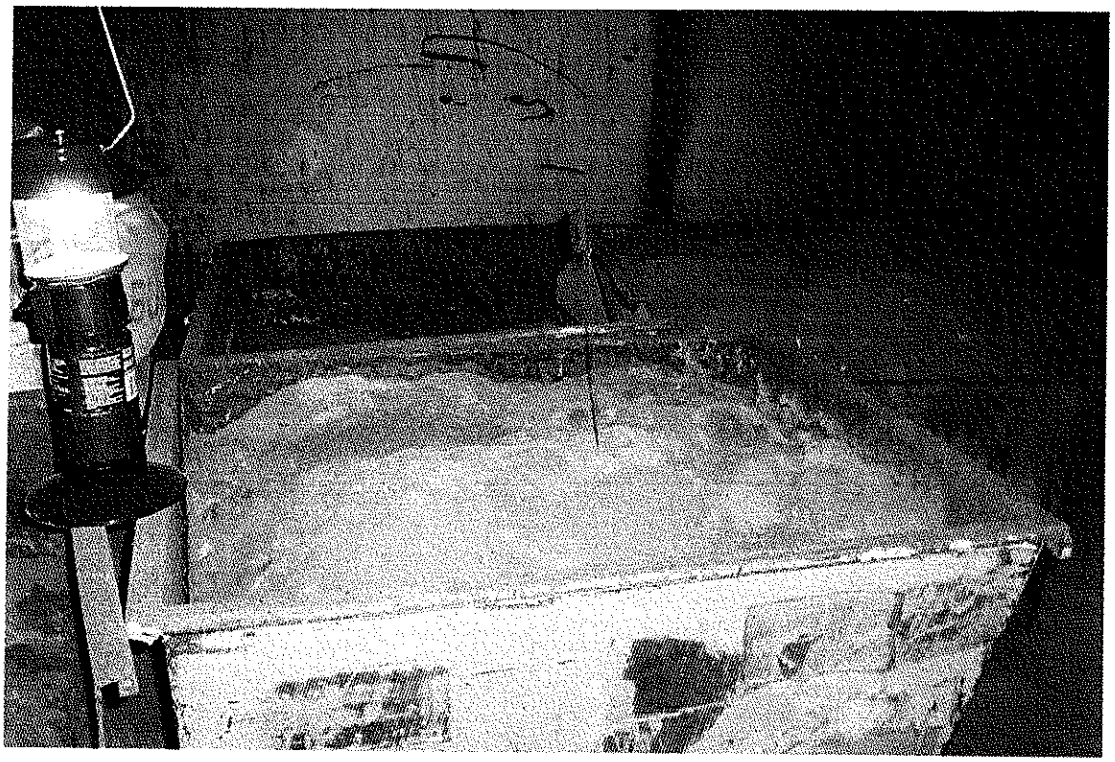
Description: Drums and supersacks stored in west end crusher building.



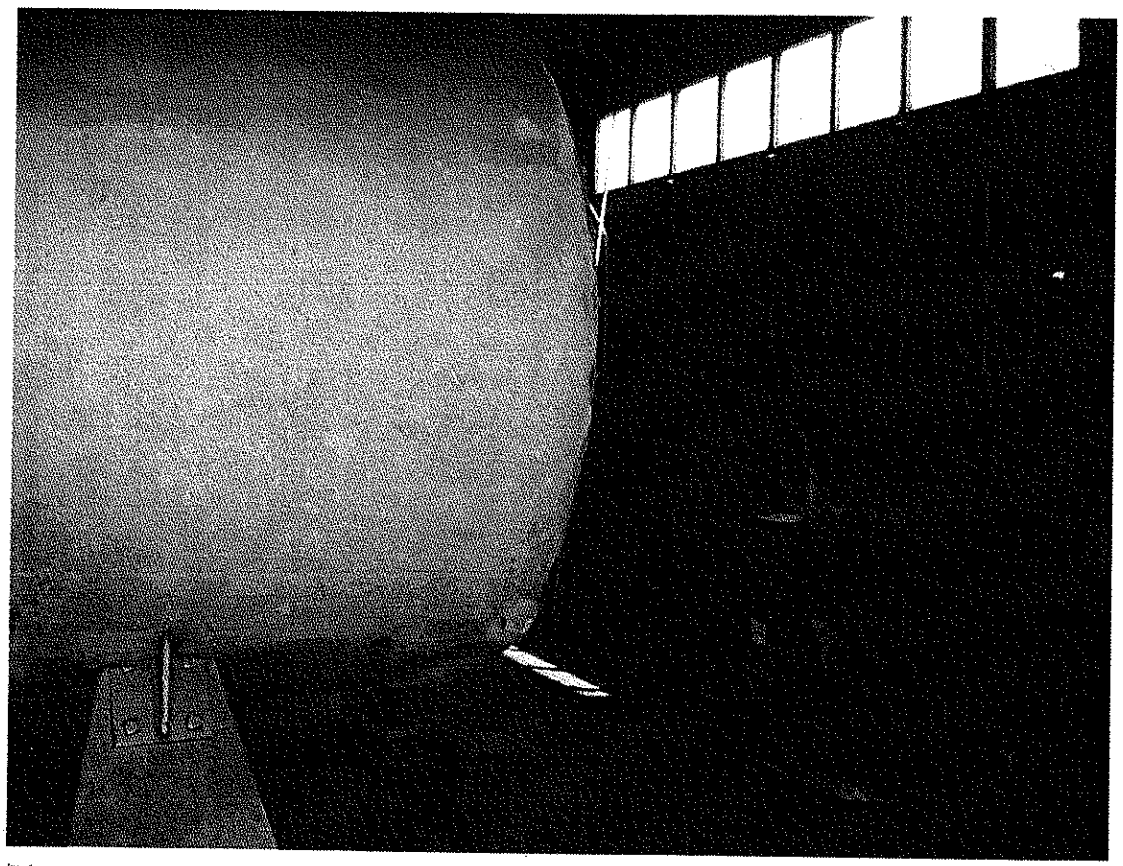
Photograph 9 – June 2006 by Curtis Dungey
Description: Drums of mill reagents in west end of maintenance shop.



Photograph 10 – June 2006 by Curtis Dungey
Description: 012 transformers.



Photograph 11 – March 2006 by Scott Janssen
Description: Basement floor mill bin.



Photograph 12 – June 2006 by Curtis Dungey
Description: Drums and AST.

Photograph 13 – June 2006 by Curtis Dungey

Description: Drums in mill.

Form EQP 4482

For DEQ Use Only
ITS # 200952 00003
Site ID # 52 000065
Category Code: _____

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
REMEDIATION AND REDEVELOPMENT DIVISION

NOTICE OF MIGRATION OF CONTAMINATION

(Under the authority of Part 201, Natural Resources and Environmental Protection Act, 1994 Act 451, as amended, (NREPA) and the Rules promulgated thereunder)

An owner or operator of property that is a facility, and/or who is subject to MCL 324.20114, and who has reason to believe that a hazardous substance is emanating from, has emanated from, or is likely to be emanating from the property and migrating beyond the boundaries of the property that he or she owns or operates is required under R 299.5522 and R 299.51017(1) to notify the Michigan Department of Environmental Quality ("DEQ") and affected property owners, unless he or she is exempt from MCL 324.20107a (see MCL 324.20107a(4) for exemptions), or unless he or she has provided the notice required by MCL 324.21309a. Submission of this notice does not fulfill the notification requirements of MCL324.21309a.

The notice must be provided within 45 days after the owner or operator has reason to believe that hazardous substances have migrated, or are likely to have migrated, to or beyond the boundary of his or her property (see R 299.51017 and R 299.5522 for exceptions). If a person is required to provide additional notice as a result of the changes in R 299.51017 that took effect on December 21, 2002, then that additional notice shall be provided not later than September 21, 2003.

Use of this form is mandatory for the notice required by R 299.51017(1) and may also be used by parties subject to MCL 324.20114 to provide notice required by R 299.5522. This form may also be used to provide notice to affected property owners as required by those rules.

If a person holds a permit for an oil and gas well under Part 615, Supervisor of Wells, of the NREPA and there is a release from the oil and gas exploration or production activities, that person shall give notice to the DEQ and to the owner of the surface rights of the property.

If a person holds an easement and there is a release from the easement holder's activities, that person shall provide notice to the DEQ and to the grantor of the easement, or the grantor's successor in interest, if any.

Completing this notice in no way relieves a person who is subject to MCL 324.20114 from the responsibility to undertake required response activities.

This notice must be sent to the DEQ office that serves the county in which the property is located. A list of DEQ offices is available at www.michigan.gov/bea, or by calling the Remediation and Redevelopment's Lansing office at 517-373-9837. The DEQ will not prepare acknowledgement of receipt of these notices. The sender is responsible for sending the report using a method that provides proof of delivery if such proof is desired. Please label the outside of the envelope "Migration Notice." Additional guidelines for the compliance with the requirements of R 200.51017(1) or R 299.5522 are available at www.michigan.gov/bea.

THIS NOTICE IS PROVIDED PURSUANT TO: **R 299.5522** ☐ **R 299.51017** ☒
(check both, if applicable)

Please provide the following information as completely as possible.

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1. Name and location of the property that hazardous substances are emanating from:

   Name: Humboldt Mill
   Address: 4547 County Road 601
   Location:
   City/County: Champion/Marquette
   Property Tax Identification Number, or if applicable, the ward and item number: 52-06-211-001-20

2. Status relative to the property:
   (Check one or both, as applicable.)

   Owner ☒
   Operator ☒

Provide any additional ID numbers associated with the property (e.g., EPA ID No., BEA No., Part 213 facility ID No., etc.):

3. Name, address, and telephone number of the property owner, operator, or other party submitting the notice:
   Name: Kennecott Eagle Land, LLC
   Address: 504 Spruce Street
   City/State: Ishpeming, Michigan 49849
   Telephone number: 906-486-1257

4. Name, address and telephone number of a contact person familiar with the content of the notice:
   Name: Jonathan C. Cherry
   Address: 504 Spruce Street
   City/State: Ishpeming, Michigan 49849
   Telephone: 906-486-1257

5. If this Notice is provided pursuant to R 299.51017, provide the address and other location information for the *adjacent* property(s) onto which contamination is migrating, has migrated, or is likely to migrate. If this Notice is provided pursuant to R 299.5522, provide the address and other location information for *each* property onto which contamination has migrated. Notice should be sent to the property owner of record. If the impacted property is owned by the State of Michigan, notice should be sent to the department managing the property (i.e. a prison, state park, etc.). Notices to the Michigan Department of Transportation (MDOT) for state owned roadways should be sent to Ms. Heather Hicks, MDOT-Bureau of Transportation Planning, 425 W. Ottawa Street, P.O. Box 30050, Lansing, MI 48989. If it isn't readily apparent what state department manages the property, notices should be sent to Mr. Thomas Saxton, Tenant and Land Services, Department of Management and Budget, 1st Floor Lewis-Cass Building, P.O. Box 30026, Lansing, MI 48909.

Address: PO Box 1 — Notified? No ☐ Yes ☐ Date:
City/State: Coeur D'alene, ID 83814
Property Tax ID number: 52-06-211-001-10
Other: Callahan Mining Corp.

Address: 110 Airport Road — Notified? No ☐ Yes ☐ Date:
City/State: Negaunee, MI 49866
Property Tax ID number: 52-06-211-001-00
Other: O'Dovero Properties

Address: 110 Airport Road — Notified? No ☐ Yes ☐ Date:
City/State: Negaunee, MI 49866
Property Tax ID number: 52-06-211-003-00
Other: O'Dovero Properties

Address: 110 Airport Road — Notified? No ☐ Yes ☐ Date:
City/State: Negaunee, MI 49866
Property Tax ID number: 52-06-211-002-00
Other: O'Dovero Properties

Address: — Notified? No ☐ Yes ☐ Date:
City/State:
Property Tax ID number:
Other:

Address: — Notified? No ☐ Yes ☐ Date:
City/State:
Property Tax ID number:
Other:

(Attach additional pages as needed)

6. Complete the Table on Page 3 of this Form for each hazardous substance which has migrated, or is likely to have migrated, beyond the property boundary at a concentration that exceeds a Generic Residential Cleanup Criterion developed by the DEQ pursuant to MCL 324.20120a(1). Complete and attach additional copies of Page 3, if necessary, to list all hazardous substances that must be reported. Include a scaled map or drawing that shows the location of sampling points identified on the Table on Page 3, the property boundaries, and the adjacent property owners if providing notice pursuant to R 299.1017(1) or all impacted property owners if providing notice pursuant to Rule 299.5522.

7. Provide a summary of the information which shows that contamination is emanating from, or has emanated from, and is present beyond the boundary of the source property at a concentration which exceeds that allowed by MCL 324.20120a(1)(a). This summary shall identify the environmental media affected, specific hazardous substances, and the concentrations of those hazardous substances in all affected environmental media at the property boundary and in any sample locations beyond the property boundary. The summary shall also describe the basis for the conclusion that the contamination is emanating, has emanated, or is present beyond the boundary of the source property, including whether the conclusion is based on groundwater analytical data or fate and transport modeling, both, or neither.

   The hazardous substances listed on the Table on Page 3 include all of the substances detected above Generic Residential Cleanup Criteria on the site. Even though inorganic substances are relatively immobile in the natural environment, the potential for these substances to migrate off-site appears to be high due to the fact that the soils on and around the mill property are well-drained sands and gravels with a very high to high hydraulic conductivity and low water holding capacity. Furthermore, a subset of the inorganic compounds presented on Table 3 (beryllium, cadmium, iron, lead, manganese, nickel and sulfate) have been detected at concentrations greater than groundwater/surface water criteria (GSI) in off-site wells considered downgradient (northwest) of the Humboldt Mill property (MW-7, MW-105 and PW-2).

8. If the person making this notice has reason to believe that a migrating hazardous substance has affected, or is likely to affect, a private or public water supply, then that water supply must be identified here:

	YES	NO
9. Is this notice being submitted within the timeframes established under 299.51017, as applicable?	☐	☒ R 299.5522 and/or R
10. Is this notice in addition to a notice submitted prior to *December 21, 2002?* (R 299.51017(4)(c))	☐	☒
11. Is this notice related to an oil and gas well permit (R 299.51017(2))? Permit #:	☐	☒
12. Is this notice related to an easement (R 299.51017(3))? (NOTE: All easement grantors *must* receive this notice.)	☐	☒
13. Has surface water been affected (R 299.51017(1) and R 299.5522(2))? (If yes, please identify the affected surface water body.) Humboldt Tailings Disposal Facility (HTDF) and possibly wetland	☒	☐

CERTIFICATION:

With my signature below, I certify that I am the owner of the facility or that I am legally authorized to execute this notice on behalf of the owner or operator named on this form, and that to the best of my knowledge and belief the above representations are complete and accurate. I understand that intentionally submitting false information to the DEQ is a felony and may result in fines up to $25,000 for each violation.

Signature _____ _____ Date 3/25/2009
(Owner or person legally authorized to bind the person making this report)

Name (Typed or Printed) Jonathan C. Cherry

Title (Typed or Printed) General Manager

See Item 6 on Page 2 of this Form for instructions to be used in completing this Table. Attach additional pages if necessary. The information to be included in each column of the Table is:

Column A Name of hazardous substance.
Column B Chemical Abstract Service (CAS) Number for the hazardous substance.
Column C Maximum hazardous substance concentration measured on the property, expressed in parts per billion (e.g., ug/L or ug/Kg). Report maximum concentration separately for each environmental medium.
Column D Sample location for Column C (relate to label on map).
Column E Environmental medium in which concentration reported in Column C was measured (e.g., soil or groundwater).
Column F Distance from point of maximum measured concentration (Column D) to property boundary, in direction of contaminant migration, if direction is known or can reasonably be inferred. If direction is unknown, list distance to nearest property boundary.
Column G Direction of contaminant migration, if known.
Column H Concentration closest to property boundary, if known. If a concentration lower than the maximum concentration reported in Column C has been measured at a point closer to the property boundary in the direction of contaminant migration, use Column I to list the concentration that was measured closest to the property boundary in the direction of contaminant migration.
Column I Sample location for Column H (relate to label on map).
Column J Environmental medium for measurement reported in Column H, if applicable.

A Hazardous Substance	B CAS Number	C Maximum Concentration	D Sample Location for "C"	E Environmental Medium for "C"	F Distance to Property Boundary	G Direction of Migration	H Boundary Concentration	I Sample Location for "H"	J Environmental Medium for "H"
Aluminum	7429905	320,000	MW-102	Groundwater	1200 feet	NW	1100	KMW-6A	Groundwater
Antimony	7440360	16	MW-102	Groundwater	1200 feet	NW	ND	KMW-6A	Groundwater
Arsenic	7440382	891	MW-102	Groundwater	1200 feet	NW	30	KMW-6A	Groundwater
Beryllium	7440417	43	MW-102	Groundwater	1200 feet	NW	ND	KMW-6A	Groundwater
Cadmium	7440439	67	MW-102	Groundwater	1200 feet	NW	ND	KMW-6A	Groundwater
Chromium, total	16065831	4,330	MW-102	Groundwater	1200 feet	NW	10	KMW-6A	Groundwater

Total Number Samples Collected: 63 (since 2005) Total Number of Samples Exceeding Criteria: 52 (since 2005)

A scaled map or drawing showing these locations and the property boundaries must be submitted with this Notice

See Item 6 on Page 2 of this Form for instructions to be used in completing this Table. Attach additional pages if necessary. The information to be included in each column of the Table is:

Column A	Name of hazardous substance.
Column B	Chemical Abstract Service (CAS) Number for the hazardous substance.
Column C	Maximum hazardous substance concentration measured on the property, expressed in parts per billion (e.g., ug/L or ug/Kg). Report maximum concentration separately for each environmental medium.
Column D	Sample location for Column C (relate to label on map).
Column E	Environmental medium in which concentration reported in Column C was measured (e.g., soil or groundwater).
Column F	Distance from point of maximum measured concentration (Column D) to property boundary, in direction of contaminant migration, if direction is known or can reasonably be inferred. If direction is unknown, list distance to nearest property boundary.
Column G	Direction of contaminant migration, if known.
Column H	Concentration closest to property boundary, if known. If a concentration lower than the maximum concentration reported in Column C has been measured at a point closer to the property boundary in the direction of contaminant migration, use Column I to list the concentration that was measured closest to the property boundary in the direction of contaminant migration.
Column I	Sample location for Column H (relate to label on map).
Column J	Environmental medium for measurement reported in Column H, if applicable.

A Hazardous Substance	B CAS Number	C Maximum Concentration	D Sample Location for "C"	E Environmental Medium for "C"	F Distance to Property Boundary	G Direction of Migration	H Boundary Concentration	I Sample Location for "H"	J Environmental Medium for "H"
Cobalt	7440484	4,940	MW-102	Groundwater	1200 feet	NW	15	KMW-6A	Groundwater
Copper	7440508	11,000	MW-102	Groundwater	1200 feet	NW	4.2	KMW-6A	Groundwater
Cyanide	57125	17	KMW-5	Groundwater	300 feet	NW	17	KMW-5	Groundwater
Iron	7439896	3,830,000	MW-102	Groundwater	1200 feet	NW	81000	KMW-6A	Groundwater
Lead	7439921	58.5	MW-11	Groundwater	30 feet	NW	58.5	MW-11	Groundwater
Lithium	7439932	310	MW-102	Groundwater	1200 feet	NW	1.1	KMW-6A	Groundwater

Total Number Samples Collected: 63 (since 2005) Total Number of Samples Exceeding Criteria: 52 (since 2005)

A scaled map or drawing showing these locations and the property boundaries must be submitted with this Notice

See Item 6 on Page 2 of this Form for instructions to be used in completing this Table. Attach additional pages if necessary. The information to be included in each column of the Table is:

Column A	Name of hazardous substance.
Column B	Chemical Abstract Service (CAS) Number for the hazardous substance.
Column C	Maximum hazardous substance concentration measured on the property, expressed in parts per billion (e.g., ug/L or ug/Kg). Report maximum concentration separately for each environmental medium.
Column D	Sample location for Column C (relate to label on map).
Column E	Environmental medium in which concentration reported in Column C was measured (e.g., soil or groundwater).
Column F	Distance from point of maximum measured concentration (Column D) to property boundary, in direction of contaminant migration, if direction is known or can reasonably be inferred. If direction is unknown, list distance to nearest property boundary.
Column G	Direction of contaminant migration, if known.
Column H	Concentration closest to property boundary, if known. If a concentration lower than the maximum concentration reported in Column C has been measured at a point closer to the property boundary in the direction of contaminant migration, use Column I to list the concentration that was measured closest to the property boundary in the direction of contaminant migration.
Column I	Sample location for Column H (relate to label on map).
Column J	Environmental medium for measurement reported in Column H, if applicable.

A Hazardous Substance	B CAS Number	C Maximum Concentration	D Sample Location for "C"	E Environmental Medium for "C"	F Distance to Property Boundary	G Direction of Migration	H Boundary Concentration	I Sample Location for "H"	J Environmental Medium for "H"
Manganese	7439965	22,000	KMW-6A	Groundwater	500 feet	NW	22,000	KMW-6A	Groundwater
Mercury	Varies	0.114	MW-102	Groundwater	1200 feet	NW	0.001	KMW-6A	Groundwater
Nickel	7440020	13,000	MW-102	Groundwater	1200 feet	NW	53	KMW-6A	Groundwater
Selenium	7782492	11.2	MW-102	Groundwater	1200 feet	NW	0.31	KMW-6A	Groundwater
Silver	7440224	2.7	MW-102	Groundwater	1200 feet	NW	ND	KMW-6A	Groundwater
Sulfate	14808798	940,000	MW-11	Groundwater	500 feet	NW	15,000	MW-12	Groundwater
Zinc	7440666	6,520	MW-102	Groundwater	1200 feet	NW	10	KMW-6A	Groundwater

Total Number Samples Collected: 63 (since 2005) Total Number of Samples Exceeding Criteria: 52 (since 2005)

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Column J	Environmental medium for measurement reported in Column H, if applicable.

A Hazardous Substance	B CAS Number	C Maximum Concentration	D Sample Location for "C"	E Environmental Medium for "C"	F Distance to Property Boundary	G Direction of Migration	H Boundary Concentration	I Sample Location for "H"	J Environmental Medium for "H"
Ammonia	7664417	19,000	MW-11	Groundwater	500 feet	NW	890	MW-12	Groundwater
Aroclor 1242	1336363	2.5	KMW-1	Groundwater	900 feet	NW	ND	KMW-6	Groundwater
Benzene	71432	10	MW-5	Groundwater	1000 feet	NW	ND	KMW-6	Groundwater
Ethylbenzene	100414	88	MW-5	Groundwater	1000 feet	NW	ND	KMW-6	Groundwater
Methylene chloride	75092	11	MW-5	Groundwater	1000 feet	NW	ND	KMW-6	Groundwater
Naphthalene	91203	23	MW-5	Groundwater	1000 feet	NW	0.019	KMW-6	Groundwater
Xylenes	1330207	1000	MW-5	Groundwater	1000 feet	NW	ND	KMW-6	Groundwater

Total Number Samples Collected: 63 (since 2005)

Total Number of Samples Exceeding Criteria: 52 (since 2005)

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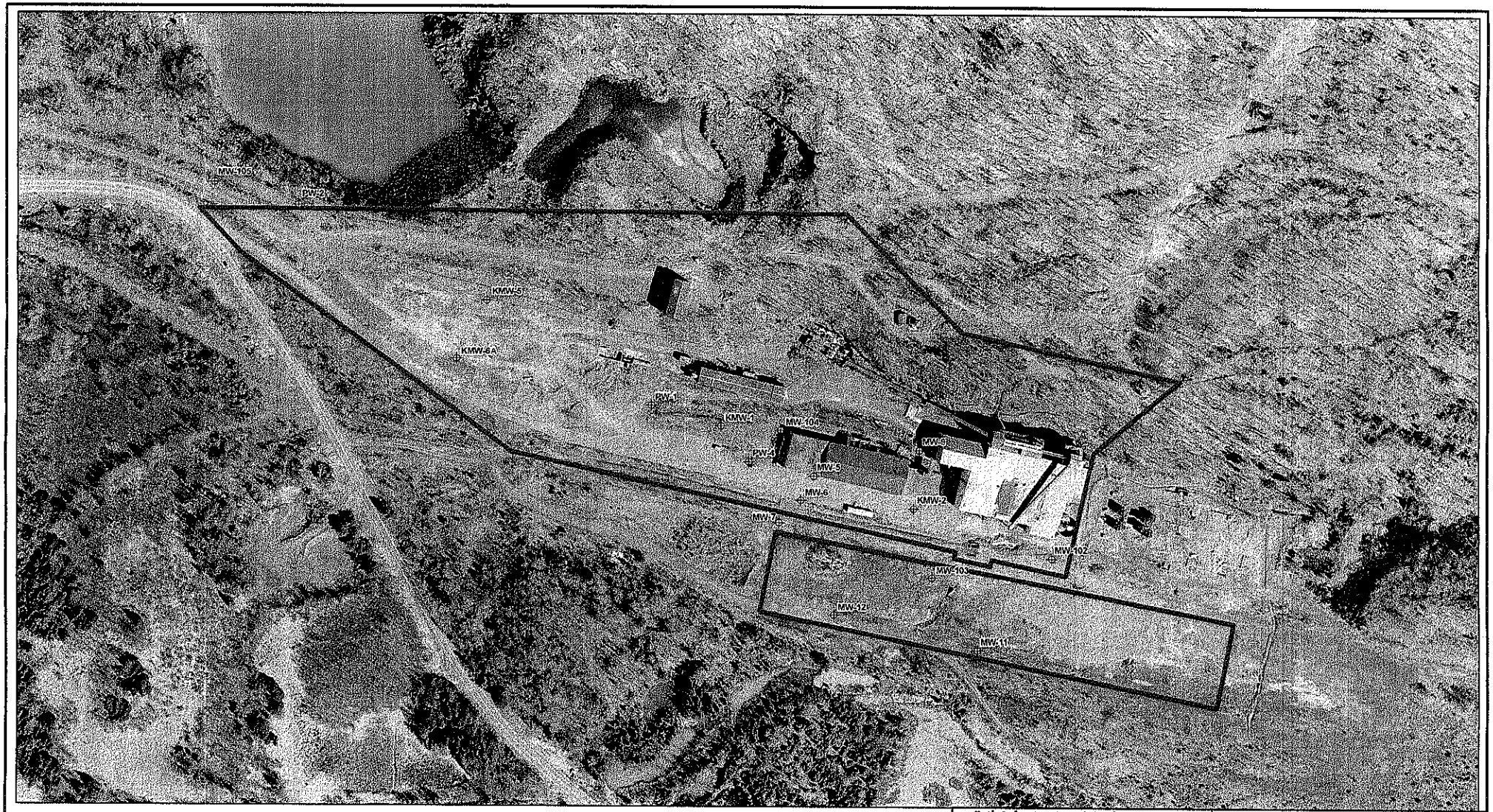

NOTES

1. Orthophotography supplied by Aero-Metric Engineering, Sheboygan, Wisconsin. Date of photography: April 27, 2006.
2. Horizontal datum based on NAD 83/96. Horizontal coordinates based on Michigan State Plane North.
3. Site Location - Project Site within Sections 2 and 11, T47N, R29W, Humboldt Township, Marquette County, Michigan.

LEGEND

- Groundwater Monitoring Well
- Humboldt Mill Site Parcels

N

Foth
Foth Infrastructure & Environment, LLC

M:\06w003\mxd\DCP\Horizon\kme_humboldt_Sampling_DW_11x17.mxd September 17, 2008

Foth Infrastructure & Environment, LLC			
REVISED	DATE	BY	DESCRIPTION
CHECKED BY:	CED1	DATE: AUG. '08	
APPROVED BY:	AKM	DATE: AUG. '08	
APPROVED BY:		DATE:	

Kennecott
Eagle Minerals

FIGURE 7
HUMBOLDT MILL PROJECT - DUE CARE PLAN
PHASE II ESA MONITORING WELL LOCATIONS

Scale: 0 100 200 Feet	Date: AUGUST, 2008
Prepared by: BJW1	Project No: 06W003