Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs Abandoned Mining Wastes - Torch Lake Non-Superfund Site Calumet and Hecla - Lake Linden Operations

 Geographic Area:
 Torch Lake Backwater Area

 Property (Common Name):
 Trap Rock Dump - Shoreline Development Group

 Property Identification Number:
 012-055-038-00

 Inspection Date:
 10/6/2014

General Property Description (Significant Land scape Features, Topography, Cover, Etc.): The property is bound on the north by 9th Street, to the south by the Torch Lake Backwater, and to the east by the Trap Rock River. The property is generally undeveloped and surrounds a small parcel that contains two small commercial storage units. The eastern-central portion of the property features a semi-circular gravel drive, that appears to be used for tractor trailer staging. There is a utility pole located in the center of the gravel drive that appears to have electrical service. The eastern half of the property is generally flat, sloping slightly to the east towards the Trap Rock River. There are multiple debris piles, that are primarily composed of "clinker" and slag-like material. The debris piles are competent and solid structures with a sharp/abrasive exterior. South of the debris piles, along the shore line of the Trap Rock River and the Torch Lake Backwater, the topography changes, rising abruptly 20 to 30 feet. Glass bottles and weathered metal debris observed on the ground surface in this area suggests that it was likely the location of the former township dump. The western portion of the property is also generally flat, featuring several more "clinker" piles. The area is well-vegetated with trees and substantial grass coverage.

Inspection Date:	10/6/2	2014							
Check as Appropriate:	propriate: Provide Written Description Including Condition, Content, and Similar Material Properties:		Provide Written Description Including Condition, Content, and Similar Material Properties:			Document as Applicable:			
Potential Chemical or Physical Hazards	✓	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes	
Suspect ACM		Latitude: 47° 11'45.263"							
Residual Process Materials	✓								
Potentially Abandoned Containers			Clinker/Class debuis an arealy distributed throughout the vegetated area to the east of the						
Soil Staining/Stressed Vegetation		Longitude: 88° 23'48.655"	Clinker/Slag debris sparsely distributed throughout the vegetated area to the east of the access road.		. 39				
Potential PCB or Mercury Containing Equipment			accoss road.						
Other:]							
Suspect ACM		Latitude: 47°11'44.33"							
Residual Process Materials	1					and the I	100 A		
Potentially Abandoned Containers		_			-				
Soil Staining/Stressed Vegetation		Longitude: 88°23'51.34"	CLINKER PILE01 - Large mass of clinkers.				and the second		
								*** A C C C C B T C T C T C T C T C T C T C T	
Potential PCB or Mercury Containing Equipment					a	海 ·泽二三		The state of the s	
Other:					a and a second				
Suspect ACM		Latitude: 47°11'43.30"			the state of the s				
Residual Process Materials	✓								
Potentially Abandoned Containers									
Soil Staining/Stressed Vegetation		Longitude: -88°23'55.97"	CLINKER PILE02 - Large mass of clinkers.				Na Suntain		
Potential PCB or Mercury Containing Equipment		_			Vie	w looking south,	southwest at the Trap Rock dump	property.	
		7					1		
Other:									
Suspect ACM		Latitude: 47.196061194							
Residual Process Materials	✓					Briston, S.			
Potentially Abandoned Containers					42			一种数据的	
Soil Staining/Stressed Vegetation		Longitude: -88.397858284	Several cubic yards of concrete debris/slab material		E-54.				
Potential PCB or Mercury Containing Equipment		_					FR. WEST		
Other:									
Suspect ACM	✓	Latitude: 47.195497533							
Residual Process Materials							7 9 35		
Potentially Abandoned Containers			SACM01 - Asphaltic roofing material commingled with concrete and clinkers. A tire is also						
Soil Staining/Stressed Vegetation		Longitude: -88.398428085	located nearby.			The said			
Potential PCB or Mercury Containing Equipment						是"人类"			
						a la la	在		
Other:					7				
Suspect ACM		Latitude: 47.195211175							
Residual Process Materials									
Potentially Abandoned Containers			HOUGELIOLD WASTEST OF THE STATE		Vie	ew looking south	at a clinker piles located on the pr	operty.	
Soil Staining/Stressed Vegetation		Longitude: -88.398193640	HOUSEHOLD WASTE01 - Glass bottles commingled with clinker waste.		l vic		The same presidented on the pr		
Potential PCB or Mercury Containing Equipment									
Other:	✓								

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Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs Abandoned Mining Wastes - Torch Lake Non-Superfund Site Calumet and Hecla - Lake Linden Operations

Geographic Area:	Torch Lake Backwater Area	
Property (Common Name):	Trap Rock Dump - Shoreline Development Group	
Property Identification Number:	012-055-038-00	
	40/5/2044	

General Property Description (Significant Land scape Features, Topography, Cover, Etc.): The property is bound on the north by 9th Street, to the south by the Torch Lake Backwater, and to the east by the Trap Rock River. The property is generally undeveloped and surrounds a small parcel that contains two small commercial storage units. The eastern-central portion of the property features a semi-circular gravel drive, that appears to be used for tractor trailer staging. There is a utility pole located in the center of the gravel drive that appears to have electrical service. The eastern half of the property is generally flat, sloping slightly to the east towards the Trap Rock River. There are multiple debris piles, that are primarily composed of "clinker" and slag-like material. The debris piles are competent and solid structures with a sharp/abrasive exterior. South of the debris piles, along the shore line of the Trap Rock River and the Torch Lake Backwater, the topography changes, rising abruptly 20 to 30 feet. Glass bottles and weathered metal debris observed on the ground surface in this area suggests that it was likely the location of the former township dump. The western portion of the property is also generally flat, featuring several more "clinker" piles. The area is well-vegetated with trees and substantial grass coverage.

Inspection Date:	10/6/2	2014						
Check as Appropriate:		Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:				Document as Applicable:	
Potential Chemical or Physical Hazards	✓	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes
Suspect ACM		Latitude: 47° 11'45.263"						
Residual Process Materials		1						
Potentially Abandoned Containers		7						
Soil Staining/Stressed Vegetation		Longitude: 88° 23'48.655"	HOUSEHOLD WASTE02 - Glass bottles, metal debris					
Potential PCB or Mercury Containing Equipment		1						
	1	1				É tra de		
Other:						本下方式	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Suspect ACM		Latitude: 47.196416988						
Residual Process Materials						The mark to		
Potentially Abandoned Containers	√		CONTAINED OF MAINTED OF THE CONTAINED OF					
Soil Staining/Stressed Vegetation		Longitude: -88.400529157	CONTAINER01 - White approximately 3-gallon, plastic, approximately 1/4 full.			1. 100		
Potential PCB or Mercury Containing Equipment					4	化/23/		
Other:						THE PARTY OF		
Suspect ACM		Latitude: 47°11'45.64"				L. The		
Residual Process Materials	→							
Potentially Abandoned Containers		-						
Soil Staining/Stressed Vegetation		Longitude: -88°23'53.59"	CLINKER PILE03 - Large mass of clinkers.		D	Ziva n		
Potential PCB or Mercury Containing Equipment					20			
Totalian CD of Mercary Containing Equipment		-			Viev	v looking down	at asphaltic roofing material on t	he property.
Other:								
Suspect ACM		Latitude: 47°11'46.93"						
Residual Process Materials	✓							
Potentially Abandoned Containers					54/1	1		
Soil Staining/Stressed Vegetation		Longitude: -88°23'58.24"	CLINKER PILE04 - Large mass of clinkers.			A MANAGE	2000年	
Potential PCB or Mercury Containing Equipment					82			
					5%		AND THE TOP OF	
Other:		Latituda, 47 104022001				福马拉		
Suspect ACM Residual Presess Materials		Latitude: 47.194922891					A TOP OF THE PARTY	
Residual Process Materials Retentially Abandoned Containers		-			7			
Potentially Abandoned Containers		Longitude: -88.398660325	HOUSEHOLD WASTE03 - Glass bottles, metal debris		Y	A.E. KIT		
Soil Staining/Stressed Vegetation		Louigitude00.330000323	To the state of the state			A STATE OF		
Potential PCB or Mercury Containing Equipment		-				and L	A STATE OF THE STA	
Other:	✓				76			
Suspect ACM		Latitude:				3 End		
Residual Process Materials							The same of the sa	
Potentially Abandoned Containers								
Soil Staining/Stressed Vegetation		Longitude:			Vie	w looking dow	n at household waste observed or	n the property.
Potential PCB or Mercury Containing Equipment								
Other:								

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Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs Abandoned Mining Wastes - Torch Lake Non-Superfund Site Calumet and Hecla - Lake Linden Operations

Geographic Area:	Torch Lake Backwater Area
Property (Common Name):	Ken's Storage Units - Commercial
Property Identification Number:	Unknown
Inspection Date:	10/6/2014

General Property Description (Significant Land scape Features, Topography, Cover, Etc.): The property is bound on the north by 9th Street and to the west, south, and east by Parcel No. 012-055-038-00. The subject property does not front along the shoreline of the Torch Lake Backwater. The property is not fenced and features two structure that are used for commercial storage. The topography of the parcel is flat, featuring gravel access roads that provide access to all sides of the storage buildings. No historic or mining era features were observed on the property during the inspection.

Check as Appropriate:	Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:			Document as Applicable:						
Potential Chemical or Physical Hazards	✓ Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes				
Suspect ACM	Latitude:										
Residual Process Materials											
Potentially Abandoned Containers											
Soil Staining/Stressed Vegetation	Longitude:										
Potential PCB or Mercury Containing Equipment											
Other:											
Suspect ACM	Latitude:										
Residual Process Materials											
Potentially Abandoned Containers											
Soil Staining/Stressed Vegetation	Longitude:										
Potential PCB or Mercury Containing Equipment											
Other:											
Suspect ACM	Latitude:										
Residual Process Materials				Land Ma	AUTOLICE STATE		EHAU				
Potentially Abandoned Containers											
Soil Staining/Stressed Vegetation	Longitude:				1						
Potential PCB or Mercury Containing Equipment											
Other:											
Suspect ACM	Latitude:										
Residual Process Materials											
Potentially Abandoned Containers											
Soil Staining/Stressed Vegetation	Longitude:			Vie	w looking south/	southwest at the subject propert	y.				
Potential PCB or Mercury Containing Equipment											
Other:											
Suspect ACM	Latitude:										
Residual Process Materials											
Potentially Abandoned Containers											
Soil Staining/Stressed Vegetation	Longitude:										
Potential PCB or Mercury Containing Equipment											
Other:											
Suspect ACM	Latitude:										
Residual Process Materials											
Potentially Abandoned Containers											
Soil Staining/Stressed Vegetation	Longitude:										
Potential PCB or Mercury Containing Equipment											
Other:											

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Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs Abandoned Mining Wastes - Torch Lake Non-Superfund Site Calumet and Hecla - Lake Linden Operations

Geographic Area:	Torch Lake Backwater Area
Property (Common Name):	Residential - Mentink
Property Identification Number:	012-055-038-10
nspection Date:	10/6/2014

General Property Description (Significant Land scape Features, Topography, Cover, Etc.,): Field inspectors did not access this private property. Observations were recorded from adjacent properties where access is granted.. The property is bound on the north by 9th Street, to the south by the Torch Lake Backwater, to the east by to Parcel No. 012-055-038-00, and to the west by Parcel No. 012-005-122-10. The property features one residential home set approximately 250 feet south of 9th Street and approximately 50 feet from the Torch Lake Backwater shoreline. The topography of the property appears to be relatively flat, sloping gradually to the south towards the shoreline. No historic or mining era features were observed on the property during the inspection.

k as Appropriate: Provide Written Description Including Condition, Content, and Similar Material Properties:			Provide Written Description Including Condition, Content, and Similar Material Properties:	Document as Applicable:						
Potential Chemical or Physical Hazards	✓	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes		
Suspect ACM		Latitude:								
Residual Process Materials		7								
Potentially Abandoned Containers										
Soil Staining/Stressed Vegetation		Longitude:								
Potential PCB or Mercury Containing Equipment										
other:										
uspect ACM		Latitude:								
Residual Process Materials										
otentially Abandoned Containers										
Soil Staining/Stressed Vegetation		Longitude:								
Potential PCB or Mercury Containing Equipment										
Other:					\$2 7 (8) (8)					
uspect ACM		Latitude:			192					
Residual Process Materials		7			17					
otentially Abandoned Containers		7			1/ 1/2	1 300				
oil Staining/Stressed Vegetation		Longitude:				*				
Potential PCB or Mercury Containing Equipment		7								
		7						TANKS (MITTHEWN THE PARTY)		
Other:										
Suspect ACM		Latitude:			5446					
tesidual Process Materials					Annual Control					
Potentially Abandoned Containers										
Soil Staining/Stressed Vegetation		Longitude:								
Potential PCB or Mercury Containing Equipment						1.00				
Other:										
Suspect ACM		Latitude:			View loc		e subject property.			
Residual Process Materials						-	· · · ·			
otentially Abandoned Containers										
ioil Staining/Stressed Vegetation		Longitude:								
Potential PCB or Mercury Containing Equipment										
ther:										
uspect ACM		Latitude:								
esidual Process Materials										
Potentially Abandoned Containers										
Soil Staining/Stressed Vegetation		Longitude:								
Potential PCB or Mercury Containing Equipment										
Other:										

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Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs Abandoned Mining Wastes - Torch Lake Non-Superfund Site Calumet and Hecla - Lake Linden Operations

eographic Area:	Torch Lake Backwater Area	
roperty (Common Name):	Frog Valley Woods - Commercial	
roperty Identification Number:	012-055-122-10	
nspection Date:	10/6/2014	

General Property Description (Significant Land scape Features, Topography, Cover, Etc.,): The property is bound on the north by 9th Street, to the west by Parcel No. 012-055-038-30 and a residential property, to the south by the Torch Lake Backwater, and to the east by to Parcel No. 012-055-038-10. The property features two primary buildings and several out buildings/shelters that are used for storage. The primary buildings house wood shop operations and storage. The buildings are accessible via a circular gravel drive that circles the central portion of the property. Other wood storage areas are accessible by smaller less-developed "two-track" paths that extend further into different areas of the southern half of the property. Wood and lumber stacked in various locations on the property. A pile of sawdust is located in the southwest corner of the property, approximately 50 feet from the shoreline. No historic or mining era features were observed on the property during the inspection.

Check as Appropriate:		Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:	Document as Applicable:						
Potential Chemical or Physical Hazards	✓	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes		
Suspect ACM		Latitude:								
Residual Process Materials		7								
Potentially Abandoned Containers		7								
Soil Staining/Stressed Vegetation		Longitude:								
Potential PCB or Mercury Containing Equipment										
Other:										
Suspect ACM		Latitude:								
Residual Process Materials		1								
Potentially Abandoned Containers										
Soil Staining/Stressed Vegetation		Longitude:								
Potential PCB or Mercury Containing Equipment					Con-					
Other:										
Suspect ACM		Latitude:			(A)		1.420	A I		
Residual Process Materials		1								
Potentially Abandoned Containers		1								
Soil Staining/Stressed Vegetation		Longitude:								
Potential PCB or Mercury Containing Equipment		1								
		7				0.5	A CHARLES			
Other:					S. P		I will be the state of the stat			
Suspect ACM		Latitude:						The Transfer of the Control of the C		
Residual Process Materials		4								
Potentially Abandoned Containers					75	E. S. Salar	The same of the sa			
Soil Staining/Stressed Vegetation		Longitude:			3000					
Potential PCB or Mercury Containing Equipment		_			See 1			(A)		
Other:					and the					
Suspect ACM		Latitude:			View	ooking southwest	t at the subject property.			
Residual Process Materials		1				T				
Potentially Abandoned Containers		1								
Soil Staining/Stressed Vegetation		Longitude:								
Potential PCB or Mercury Containing Equipment		7								
		7								
Other:		1								
Suspect ACM		Latitude:								
Residual Process Materials										
Potentially Abandoned Containers										
Soil Staining/Stressed Vegetation		Longitude:								
Potential PCB or Mercury Containing Equipment										
Other:										

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Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs Abandoned Mining Wastes - Torch Lake Non-Superfund Site Calumet and Hecla - Lake Linden Operations

Geographic Area:	Torch Lake Backwater Area	
Property (Common Name):	Residential - Unknown	
Property Identification Number:	Unknown	
Inspection Date:	10/6/2014	

General Property Description (Significant Land scape Features, Topography, Cover, Etc.,): Field inspectors did not access this private property. Observations were recorded from adjacent properties where access is granted. The property is bound on the north by 9th Street, to the south by Parcel No. 012-055-038-30, to the east by to Parcel No. 012-055-122-10, and to the west by Parcel No. 012-005-039-00. The property does not front along the Torch Lake Backwater shoreline. The property features one residential structure that fronts along 9th Street. The topography of the property appears flat and the yard is well-maintained. The structures on the property include a residential home and garage that were likely older buildings that have been updated with more modern appurtenances. A possible potable well is located south of the home. No historic or mining era features were observed on the property during the inspection.

Check as Appropriate:		Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:	Document as Applicable:					
Potential Chemical or Physical Hazards	✓	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes	
Suspect ACM		Latitude:							
Residual Process Materials									
Potentially Abandoned Containers									
Soil Staining/Stressed Vegetation		Longitude:							
Potential PCB or Mercury Containing Equipment									
Other:									
Suspect ACM		Latitude:							
Residual Process Materials									
Potentially Abandoned Containers									
Soil Staining/Stressed Vegetation		Longitude:							
Potential PCB or Mercury Containing Equipment					200			T.	
Other:									
Suspect ACM		Latitude:							
Residual Process Materials						William A			
Potentially Abandoned Containers		_							
Soil Staining/Stressed Vegetation		Longitude:							
Potential PCB or Mercury Containing Equipment		-			15 F		10/10/10/10/10		
0 414									
Other:					- A 1 34		TA .		
Suspect ACM		Latitude:					THE REAL PROPERTY OF THE PARTY		
Residual Process Materials									
Potentially Abandoned Containers									
Soil Staining/Stressed Vegetation		Longitude:			PALE IN			t-Mac-Immedia A	
Potential PCB or Mercury Containing Equipment								CANADA SA	
Other:					View loo	king north at the	subject property.		
Suspect ACM		Latitude:							
Residual Process Materials									
Potentially Abandoned Containers									
Soil Staining/Stressed Vegetation		Longitude:							
Potential PCB or Mercury Containing Equipment									
Other:									
Suspect ACM		Latitude:							
Residual Process Materials									
Potentially Abandoned Containers									
Soil Staining/Stressed Vegetation		Longitude:							
Potential PCB or Mercury Containing Equipment									
Other:									
Outen									

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Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs Abandoned Mining Wastes - Torch Lake Non-Superfund Site Calumet and Hecla - Lake Linden Operations

		General Prop
ographic Area:	Torch Lake Backwater Area	adjacent to a
		masonry cons
perty (Common Name):	9th Street Substation	in good condi

012-055-038-030

Property Identification Number:

General Property Description (Significant Land scape Features, Topography, Cover, Etc.,): The property is bound on the north by 9th Street and to the west by Gregory Street. The property is located adjacent to and north of Parcel No. 012-055-038-30. The subject property does not front along the shoreline of the Torch Lake Backwater. The property is not fenced and features one structure, a historic masonry constructed building that historically served as the 9th Street Substation. The building is secured and with signage indicating that it may be used for storage. Structurally, the building appears to be in good condition with windows and doors that are secured. The building features capped openings in the wall on the west and south side that may have historically been used for piping and conduits related to fuel and electrical services. The grounds around the building perimeter is sparsely vegetated, with bare spots prevalent on the south and west sides.

Inspection Date:	10/6/2014						
Check as Appropriate:	Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:			Document as Applicable:		
Potential Chemical or Physical Hazards	✓ Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity Uni		Notes	
Suspect ACM	Latitude:						
Residual Process Materials							
Potentially Abandoned Containers							
Soil Staining/Stressed Vegetation	Longitude:						
Potential PCB or Mercury Containing Equipment							
Other:							
Suspect ACM	Latitude:						
Residual Process Materials							
Potentially Abandoned Containers							
Soil Staining/Stressed Vegetation	Longitude:						
Potential PCB or Mercury Containing Equipment						4	
Other:					1	Marine	
Suspect ACM	Latitude:						
Residual Process Materials							
Potentially Abandoned Containers					1"9" Simese s	III-SIATINA	
Soil Staining/Stressed Vegetation	Longitude:						
Potential PCB or Mercury Containing Equipment				N N	See		
Other: Suspect ACM	Latitude:				and weather the about the about the		
Residual Process Materials				- KANES			
Potentially Abandoned Containers							
Soil Staining/Stressed Vegetation	Longitude:			4			
Potential PCB or Mercury Containing Equipment				View looking east	at the subject property.		
				The who shall great	at the subject property.		
Other:							
Suspect ACM	Latitude:						
Residual Process Materials							
Potentially Abandoned Containers							
Soil Staining/Stressed Vegetation	Longitude:						
Potential PCB or Mercury Containing Equipment							
Other:							
Suspect ACM	Latitude:						
Residual Process Materials							
Potentially Abandoned Containers							
Soil Staining/Stressed Vegetation	Longitude:						
Potential PCB or Mercury Containing Equipment							
Other:							

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Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs Abandoned Mining Wastes - Torch Lake Non-Superfund Site Calumet and Hecla - Lake Linden Operations

Geographic Area:	Torch Lake Backwater Area				
Property (Common Name):	Municipal - Village of Lake Linden				
Property Identification Number:	012-055-038-30				
Inspection Date:	10/6/2014				

General Property Description (Significant Land scape Features, Topography, Cover, Etc.,): The property is bound on the north by 9th Street and Parcel No. 012-055-039-00 and a residential property. The property is bound to the west by commercial properties and Parcel No. 043-211-001-80 that is owned by Schoolcraft Township. Gregory Street is located within the property limits, along the western property boundary. The property fronts along the Torch Lake Backwater shoreline. The property is not fenced and does not feature any buildings. The topography at the property is flat, sloping gradually to the south towards the shoreline. The property is sparsely vegetated, with exposed stamp sand prevalent in the western portion of the property.

Check as Appropriate:	Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:	Document as Applicable:				
Potential Chemical or Physical Hazards	✓ Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes
Suspect ACM	Latitude:						
Residual Process Materials							
Potentially Abandoned Containers							
Soil Staining/Stressed Vegetation	Longitude:						
Potential PCB or Mercury Containing Equipment							
Other:							
Suspect ACM	Latitude:						
Residual Process Materials							
Potentially Abandoned Containers							
Soil Staining/Stressed Vegetation	Longitude:						
Potential PCB or Mercury Containing Equipment				W 4 1 1 1	-		
Other:					amie .		
Suspect ACM	Latitude:						
Residual Process Materials				12/4/2018		是"可能"的"一 位" "不	
Potentially Abandoned Containers					9-14-17		
Soil Staining/Stressed Vegetation	Longitude:						
Potential PCB or Mercury Containing Equipment							
					The same of the sa	A STATE OF THE PARTY OF THE PAR	
Other:					W. Company		
Suspect ACM	Latitude:			e W			
Residual Process Materials				7.53			
Potentially Abandoned Containers					4.10年		
Soil Staining/Stressed Vegetation	Longitude:			View I	ooking east/sou	theast at frontage along the Toro	ch Lake Backwater at the subject
Potential PCB or Mercury Containing Equipment				prope			
Other:							
Suspect ACM	Latitude:						
Residual Process Materials							
Potentially Abandoned Containers							
Soil Staining/Stressed Vegetation	Longitude:						
Potential PCB or Mercury Containing Equipment							
Other:				<u> </u>			
Suspect ACM	Latitude:						
Residual Process Materials							
Potentially Abandoned Containers							
Soil Staining/Stressed Vegetation	Longitude:						
Potential PCB or Mercury Containing Equipment							
Other:							

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Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs Abandoned Mining Wastes - Torch Lake Non-Superfund Site Calumet and Hecla - Lake Linden Operations

Geographic Area:	Torch Lake Backwater Area	
Property (Common Name):	Municipal - Schoolcraft Township Board	
Property Identification Number:	043-211-001-80	
Inspection Date:	10/6/2014	

General Property Description (Significant Land scape Features, Topography, Cover, Etc.,): The property is bound on the north by commercial properties and to the south by the Torch Lake Backwater shoreline. The property is bound to the east by Parcel No. 012-055-038-30 and is accessible by Gregory Street. The property features to buildings/garages that are used for equipment storage and maintenance. The property fronts along the Torch Lake Backwater and is fenced along the west side of the buildings. The topography at the property slopes to the south and west away from the buildings and towards the Torch Lake Backwater shoreline. The property is well-vegetated with areas of exposed stamp sand in the southern portion of the parcel. No historic or mining era features were observed on the property during the inspection.

Record Field Measurements: Provide Written Description Including Condition, Content, and Similar Material Properties:		Provide Written Description Including Condition, Content, and Similar Material Properties:	Document as Applicable:					
Potential Chemical or Physical Hazards	✓	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes
Suspect ACM		Latitude:						
Residual Process Materials								
Potentially Abandoned Containers								
Soil Staining/Stressed Vegetation		Longitude:						
Potential PCB or Mercury Containing Equipment								
Other:								
Suspect ACM		Latitude:						
Residual Process Materials								
Potentially Abandoned Containers		+						1 Mar and the
Soil Staining/Stressed Vegetation		Longitude:			30.00	W.		
Potential PCB or Mercury Containing Equipment		7			N. 25			
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Residual Process Materials					6			
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r otential r eb of wiereary containing Equipment		+						
Other:								
Suspect ACM		Latitude:						
Residual Process Materials								
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Suspect ACM		Latitude.						
Residual Process Materials								
Potentially Abandoned Containers		Longitudo:						
Soil Staining/Stressed Vegetation		Longitude:						
Potential PCB or Mercury Containing Equipment								
Other:								

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Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs Abandoned Mining Wastes - Torch Lake Non-Superfund Site Calumet and Hecla - Lake Linden Operations

Geographic Area:	Torch Lake Backwater Area		
Property (Common Name):	Residential - Lyytikainen	_	
Property Identification Number:	043-211-021-00	_	
nspection Date:	10/6/2014		

General Property Description (Significant Land scape Features, Topography, Cover, Etc.,): Field inspectors did not access this private property. Observations were recorded from adjacent properties where access is granted. The property is bound on the west by Front Street, to the south by Parcel No. 043-211-023-00 and 043-211-001-50, and to the east by the shoreline of the Torch Lake Backwater. The topography of the property appears to be flat, gently sloping to the east towards the shoreline. The structures on the property include a residential home and garage. No historic or mining era features were observed on the property during the inspection.

Inspection Date:	10/6/2	2014						
Check as Appropriate:		Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:				Document as Applicable:	
Potential Chemical or Physical Hazards	✓	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes
Suspect ACM		Latitude:						
Residual Process Materials								
Potentially Abandoned Containers								
Soil Staining/Stressed Vegetation		Longitude:						
Potential PCB or Mercury Containing Equipment								
Other:								
Suspect ACM		Latitude:						
Residual Process Materials								
Potentially Abandoned Containers								
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Soil Staining/Stressed Vegetation					100			
Potential PCB or Mercury Containing Equipment		-						
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Potentially Abandoned Containers						Self of the self of		
Soil Staining/Stressed Vegetation		Longitude:			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			
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Suspect ACM		Latitude:						
Residual Process Materials								
Potentially Abandoned Containers								
Soil Staining/Stressed Vegetation		Longitude:						
Potential PCB or Mercury Containing Equipment								
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Other:								

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Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs Abandoned Mining Wastes - Torch Lake Non-Superfund Site Calumet and Hecla - Lake Linden Operations

Geographic Area:	Torch Lake Backwater Area	General Property Description (Significant Land scape Features, Topography, Cover, Etc.,): Field inspectors did not access this private property. Observations were recorded from adjacent properties where access is granted. The property is bound on the west by Front Street, to the south by Parcel No. 043-211-023-50, and to the east by Parcel No. 043-211-001-50. The property does not front along the Torch Lake Backwater shoreline. The topography of the property appears to be flat, gently sloping to the east towards the shoreline. The structures on the property include a residential home and garage. No
Property (Common Name):	Residential - Knoll	historic or mining era features were observed on the property during the inspection.
Property Identification Number:	043-211-023-00	
Inspection Date:	10/6/2014	

Inspection Date:	10/6/2014							
Check as Appropriate:		Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:				Document as Applicable:	
Potential Chemical or Physical Hazards		Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes
Suspect ACM		Latitude:						
Residual Process Materials								
Potentially Abandoned Containers								
Soil Staining/Stressed Vegetation		Longitude:						
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Soil Staining/Stressed Vegetation		Longitude:						
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Potentially Abandoned Containers		Longitudos						
Soil Staining/Stressed Vegetation		Longitude:						
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Suspect ACM		Latitude:						
Residual Process Materials								
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Other:								

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Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs Abandoned Mining Wastes - Torch Lake Non-Superfund Site Calumet and Hecla - Lake Linden Operations

Geographic Area:	Torch Lake Backwater Area	is granted. The property is bound on the west by Parcel No. 043-211-023-00, to the north by Parcel No. 043-211-021-00, to the south by Parcel No. 043-211-023-50, and to the east by the Torch Lake Backwater. The property is vacant and well vegetated.
Property (Common Name):	Lake Linden - Hubbell Public Schools	
Property Identification Number:	043-211-001-50	
Inspection Date:	10/6/2014	

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Lapert ACM For stand Advancers Containers For Standard Containers	Other:						
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esidual Process Materials otentially Abandoned Containers oil Staining/Stressed Vegetation otential PCB or Mercury Containing Equipment ther: uspect ACM esidual Process Materials otentially Abandoned Containers oil Staining/Stressed Vegetation otentiall PCB or Mercury Containing Equipment contailing/Stressed Vegetation otentially CB or Mercury Containing Equipment contailing/Stressed Vegetation otentially CB or Mercury Containing Equipment otentially CB or Mercury Containing Equipment contailing/Stressed Vegetation otentially CB or Mercury Containing Equipment otentially CB or Mercury Containing Equipment	Suspect ACM	Latitude:					
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ther	Potential PCB or Mercury Containing Equipment						
	Other:						

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Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs Abandoned Mining Wastes - Torch Lake Non-Superfund Site Calumet and Hecla - Lake Linden Operations

		General Property Description (Significant Land scape Features, Topography, Cover, Etc.,): The property appears to be an undeveloped extension of 8th Street. The property is bound on the west by Front
Geographic Area:	Torch Lake Backwater Area	Street, to the north by Parcel No. 043-211-023-00 and Parcel No. 043-211-001-50, to the south by Parcel No. 043-211-001-50 and Parcel No. 043-211-024-00, and to the east by the Torch Lake Backwater.
		The property is vacant and sparsely vegetated. The property is generally defined by a central access road comprised of exposed stamp sand. The property appears to have well developed drainage patterns
Property (Common Name):	Municipal - Village of Lake Linden	that flow to the east towards the Torch Lake Backwater.
Property Identification Number:	043-211-023-50	
Inspection Date:	10/6/2014	

Check as Appropriate:	Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:				Document as Applicable:	
Potential Chemical or Physical Hazards	✓ Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes
Suspect ACM	Latitude:						
Residual Process Materials							
Potentially Abandoned Containers							
Soil Staining/Stressed Vegetation	Longitude:						
Potential PCB or Mercury Containing Equipment							
Other:							
Suspect ACM	Latitude:						
Residual Process Materials							
Potentially Abandoned Containers							
Soil Staining/Stressed Vegetation	Longitude:						
Potential PCB or Mercury Containing Equipment							
Other:							
Suspect ACM	Latitude:						
Residual Process Materials							
Potentially Abandoned Containers							
Soil Staining/Stressed Vegetation	Longitude:						
Potential PCB or Mercury Containing Equipment							
Other:	1.00						
Suspect ACM	Latitude:						
Residual Process Materials							
Potentially Abandoned Containers	Longitudos						
Soil Staining/Stressed Vegetation	Longitude:						
Potential PCB or Mercury Containing Equipment							
Other:							
Suspect ACM	Latitude:						
Residual Process Materials							
Potentially Abandoned Containers							
Soil Staining/Stressed Vegetation	Longitude:						
Potential PCB or Mercury Containing Equipment							
Other:							
Suspect ACM	Latitude:						
Residual Process Materials							
Potentially Abandoned Containers							
Soil Staining/Stressed Vegetation	Longitude:						
Potential PCB or Mercury Containing Equipment							
Other:							

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Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs Abandoned Mining Wastes - Torch Lake Non-Superfund Site Calumet and Hecla - Lake Linden Operations

Geographic Area:Torch Lake Backwater AreaProperty (Common Name):Lake Linden - Hubbell Public Schools043-211-024-00, 043-211-001-50, 043-211-025-00, 043-161-009-00, and 043-161-009-00Property Identification Number:009-00

10/6/2014

Inspection Date:

General Property Description (Significant Land scape Features, Topography, Cover, Etc.,): Field inspectors did not access this property. Observations were recorded from adjacent properties where access is granted. The five parcels included in this summary make up the main campus of the Lake Linden – Hubbell Public Schools. The parcels are generally accessible along Front Street to the west and are bound to the east by the Torch Lake Backwater. The combined parcels include various school-related facilities including classroom buildings, a playground, and athletic facilities including a football field, running track, baseball field, and basketball courts. No historic or mining era features were observed on the property during the inspection.

Check as Appropriate: Potential Chemical or Physical Hazards Suspect ACM Residual Process Materials Potentially Abandoned Containers Soil Staining/Stressed Vegetation	Record Field Measurements: Location/Coordinates Latitude:	Provide Written Description Including Condition, Content, and Similar Material Properties: Description	Estimated Size/Area/Volume	Quantity		Document as Applicable:	
Suspect ACM Residual Process Materials Potentially Abandoned Containers				Qualitity	Units	Sample Recommendations	Notes
Residual Process Materials Potentially Abandoned Containers							
Potentially Abandoned Containers							
John Staining/Stressen Aegeration	Longitude:						
Potential PCB or Mercury Containing Equipment							
Other:							
Suspect ACM	Latitude:						
Residual Process Materials							
Potentially Abandoned Containers							
Soil Staining/Stressed Vegetation	Longitude:						
Potential PCB or Mercury Containing Equipment							
Other:							
Suspect ACM	Latitude:						
Residual Process Materials							
Potentially Abandoned Containers							
Soil Staining/Stressed Vegetation	Longitude:						
Potential PCB or Mercury Containing Equipment							
Other:							
Suspect ACM	Latitude:						
Residual Process Materials							
Potentially Abandoned Containers							
Soil Staining/Stressed Vegetation	Longitude:						
Potential PCB or Mercury Containing Equipment							
Other:							
Suspect ACM	Latitude:						
Residual Process Materials							
Potentially Abandoned Containers							
Soil Staining/Stressed Vegetation	Longitude:						
Potential PCB or Mercury Containing Equipment							
Other:							
Suspect ACM	Latitude:						
Residual Process Materials							
Potentially Abandoned Containers							
Soil Staining/Stressed Vegetation	Longitude:						
Potential PCB or Mercury Containing Equipment							
Other:							

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Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs Abandoned Mining Wastes - Torch Lake Non-Superfund Site Calumet and Hecla - Lake Linden Operations

Geographic Area:	Torch Lake Backwater Area					
Property (Common Name):	Lake Linden - Hubbell Public Schools					
Property Identification Number:	043-120-001-00 (North)					
Inspection Date:	10/6/2014					

General Property Description (Significant Land scape Features, Topography, Cover, Etc.,): Field inspectors did not access this property. Observations were recorded from adjacent properties where access is granted. The parcel is bordered to the north by the main campus of the Lake Linden – Hubbell Public Schools. The property is bound to the west by Front Street, to the east by the Torch Lake Backwater, and to the south by Parcel No. 043-120-001-00. The topography at the property is generally flat and not well vegetated. The ground surface is generally composed of stamp sands, serving as an access road and parking lot. The property has one building utilized as the school district's bus garage. No historic or mining era features were observed on the property during the inspection.,

Check as Appropriate:	Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:	Document as Applicable:					
Potential Chemical or Physical Hazards	✓ Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes	
Suspect ACM	Latitude:							
Residual Process Materials								
Potentially Abandoned Containers								
Soil Staining/Stressed Vegetation	Longitude:							
Potential PCB or Mercury Containing Equipment								
Other:								
Suspect ACM	Latitude:							
Residual Process Materials								
Potentially Abandoned Containers	I and the							
Soil Staining/Stressed Vegetation	Longitude:							
Potential PCB or Mercury Containing Equipment								
Other:								
Suspect ACM	Latitude:							
Residual Process Materials								
Potentially Abandoned Containers								
Soil Staining/Stressed Vegetation	Longitude:							
Potential PCB or Mercury Containing Equipment								
Other:								
Suspect ACM	Latitude:							
Residual Process Materials								
Potentially Abandoned Containers								
Soil Staining/Stressed Vegetation	Longitude:							
Potential PCB or Mercury Containing Equipment								
Other:								
Suspect ACM	Latitude:							
Residual Process Materials								
Potentially Abandoned Containers								
Soil Staining/Stressed Vegetation	Longitude:							
Potential PCB or Mercury Containing Equipment								
Other:	Latituda							
Suspect ACM Residual Process Materials	Latitude:							
Residual Process Materials Retentially Abandoned Containers								
Potentially Abandoned Containers Soil Staining/Stressed Vegetation	Longitudo							
Soil Staining/Stressed Vegetation	Longitude:							
Potential PCB or Mercury Containing Equipment								
Other:								

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Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs Abandoned Mining Wastes - Torch Lake Non-Superfund Site Calumet and Hecla - Lake Linden Operations

Geographic Area:	Torch Lake Backwater Area				
Property (Common Name):	Lake Linden - Hubbell Public Schools				
Property Identification Number:	043-120-001-00 (South)				
Inspection Date:	10/6/2014				

General Property Description (Significant Land scape Features, Topography, Cover, Etc.,): Field inspectors did not access this property. Observations were recorded from adjacent properties where access is granted. The parcel is bordered to the north by the Lake Linden – Hubbell Public Schools bus garage property, to the west by Front Street, to the east by the Torch Lake Backwater, and to the south by Parcel No. 012-056-006-00. The topography at the property is generally flat and not well vegetated. The ground surface is generally composed of stamp sands, appearing to serve primarily as an access road and parking lot. The property has one building that appears to be used for vehicle storage. No historic or mining era features were observed on the property during the inspection.

Check as Appropriate: Potential Chemical or Physical Hazards Suspect ACM Residual Process Materials Potentially Abandoned Containers Soil Staining/Stressed Vegetation	Record Field Measurements: Location/Coordinates Latitude:	Provide Written Description Including Condition, Content, and Similar Material Properties: Description	Estimated Size/Area/Volume	Quantity		Document as Applicable:	
Suspect ACM Residual Process Materials Potentially Abandoned Containers				Qualitity	Units	Sample Recommendations	Notes
Residual Process Materials Potentially Abandoned Containers							
Potentially Abandoned Containers							
John Staining/Stressen Aegeration	Longitude:						
Potential PCB or Mercury Containing Equipment							
Other:							
Suspect ACM	Latitude:						
Residual Process Materials							
Potentially Abandoned Containers							
Soil Staining/Stressed Vegetation	Longitude:						
Potential PCB or Mercury Containing Equipment							
Other:							
Suspect ACM	Latitude:						
Residual Process Materials							
Potentially Abandoned Containers							
Soil Staining/Stressed Vegetation	Longitude:						
Potential PCB or Mercury Containing Equipment							
Other:							
Suspect ACM	Latitude:						
Residual Process Materials							
Potentially Abandoned Containers							
Soil Staining/Stressed Vegetation	Longitude:						
Potential PCB or Mercury Containing Equipment							
Other:							
Suspect ACM	Latitude:						
Residual Process Materials							
Potentially Abandoned Containers							
Soil Staining/Stressed Vegetation	Longitude:						
Potential PCB or Mercury Containing Equipment							
Other:							
Suspect ACM	Latitude:						
Residual Process Materials							
Potentially Abandoned Containers							
Soil Staining/Stressed Vegetation	Longitude:						
Potential PCB or Mercury Containing Equipment							
Other:							

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Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs Abandoned Mining Wastes - Torch Lake Non-Superfund Site Calumet and Hecla - Lake Linden Operations

eographic Area:	Lake Linden Recreation Area
roperty (Common Name):	Municipal - Village of Lake Linden
roperty Identification Number:	012-056-006-00 (West)
nspection Date:	10/6/2014

General Property Description (Significant Land scape Features, Topography, Cover, Etc.,): The western portion of the parcel is generally bound on the west by Front Street and commercial properties. The northern limits of the parcel are bound by the Torch Lake Backwater Area. The eastern portion of the parcel extends into Torch Lake, creating a man-made peninsula roughly 200 acres in size. The western portion of the parcel includes a stamp sand covered area that appears to be used for road-traction storage. The area is not well vegetated and not fenced. No historic or mining era features were observed on the property during the inspection.

Check as Appropriate: Record Field Measurements:			Provide Written Description Including Condition, Content, and Similar Material Properties:		Document as Applicable:						
Potential Chemical or Physical Hazards	✓	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes			
Suspect ACM		Latitude:									
Residual Process Materials											
Potentially Abandoned Containers					8						
Soil Staining/Stressed Vegetation		Longitude:									
Potential PCB or Mercury Containing Equipment											
Other:											
Suspect ACM		Latitude:									
Residual Process Materials						-	L Committee				
Potentially Abandoned Containers							The second live of the second				
Soil Staining/Stressed Vegetation		Longitude:									
Potential PCB or Mercury Containing Equipment					13 (31 × 6)	- 7					
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Residual Process Materials					115 24						
Potentially Abandoned Containers						A The Street					
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Potential PCB or Mercury Containing Equipment					View	looking north	at a portion of the subject p	property.			
Other:											
Suspect ACM		Latitude:									
Residual Process Materials											
Potentially Abandoned Containers											
Soil Staining/Stressed Vegetation		Longitude:									
Potential PCB or Mercury Containing Equipment											
Other:											
Suspect ACM		Latitude:									
Residual Process Materials											
Potentially Abandoned Containers											
Soil Staining/Stressed Vegetation		Longitude:									
Potential PCB or Mercury Containing Equipment											
		1									
Other:											
Suspect ACM		Latitude:									
Residual Process Materials											
Potentially Abandoned Containers											
Soil Staining/Stressed Vegetation		Longitude:									
Potential PCB or Mercury Containing Equipment											
Other											
Other:											

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Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs Abandoned Mining Wastes - Torch Lake Non-Superfund Site Calumet and Hecla - Lake Linden Operations

Geographic Area:	Lake Linden Sands Area
Property (Common Name):	Municipal - Village of Lake Linden
Property Identification Number:	012-056-006-00 (East)
nanaction Data.	10/5/2014

General Property Description (Significant Land scape Features, Topography, Cover, Etc.,): The eastern portion of the parcel is generally a man-made peninsula roughly 200 acres in size. The peninsula is bound on the north by the Torch Lake Backwater, to the east by the Trap Rock River, and to the south by Torch Lake. The peninsula was created by the deposition of mining era wastes, specifically stamp sands. The peninsula was capped during remedial actions implemented by the EPA. The peninsula is open to the public for recreation including a campground and public beach operated by the Village of Lake Linden. Flooded areas of the shoreline were observed in the vicinity of the public beach, campground, and Village Park. The area is generally well vegetated and well maintained. No historic or mining era features were observed on the property during the inspection.

Inspection Date:	10/6/20	014								
Check as Appropriate:		Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:		Document as Applicable:					
Potential Chemical or Physical Hazards	✓	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes		
Suspect ACM		Latitude:								
Residual Process Materials										
Potentially Abandoned Containers										
Soil Staining/Stressed Vegetation		Longitude:								
Potential PCB or Mercury Containing Equipment										
Other:										
Suspect ACM		Latitude:								
Residual Process Materials										
Potentially Abandoned Containers		Land de								
Soil Staining/Stressed Vegetation		Longitude:								
Potential PCB or Mercury Containing Equipment										
Other:						(market and a second				
Suspect ACM		Latitude:				HIP T	Philippy and the			
Residual Process Materials							TOTAL TRANSPORT			
Potentially Abandoned Containers						The state of	1 Plant and a second at			
Soil Staining/Stressed Vegetation		Longitude:								
Potential PCB or Mercury Containing Equipment										
							The second second			
Other:										
Suspect ACM		Latitude:								
Residual Process Materials						L. Marie				
Potentially Abandoned Containers										
Soil Staining/Stressed Vegetation		Longitude:			View	looking north,	oking north/northwest at the public beach area of the subject property.			
Potential PCB or Mercury Containing Equipment										
Other:										
Suspect ACM		Latitude:								
Residual Process Materials										
Potentially Abandoned Containers										
Soil Staining/Stressed Vegetation		Longitude:								
Potential PCB or Mercury Containing Equipment										
Other:										
Suspect ACM		Latitude:								
Residual Process Materials										
Potentially Abandoned Containers										
Soil Staining/Stressed Vegetation		Longitude:								
Potential PCB or Mercury Containing Equipment										
Other:										

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Draft Site Investigation Report - Appendix D

SITE INSPECTIONS - RECONNAISSANCE LOGS

Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs Abandoned Mining Wastes - Torch Lake Non-Superfund Site Calumet and Hecla - Lake Linden Operations

Geographic Area:	Lake Linden Processing Area
Property (Common Name):	Lake Linden Village Park
Property Identification Number:	014-306-002-00
nanaction Date:	10/5/2014

General Property Description (Significant Land scape Features, Topography, Cover, Etc.,): The property is open to the public and serves as the Village of Lake Linden's Park. The property is bound to west by Highway M-26, to the north by Parcel No. 012-056-006-00 to the east by Torch Lake, and to the south by Parcel No. 014-306-003-00 and Parcel No. 014-306-003-50. The property is accessible by Front Street to the north and to the south by McDonald Drive. The property features multiple public facilities including a playground, tennis courts, a skate board park, a gazebo, and a pavilion for use by residents. The area was capped during remedial actions implemented by the EPA. Eroded portions of the cap were observed along portions of the south /east shoreline along Torch Lake. The area is well to sparsely vegetated, but well maintained. No historic or mining era features were observed on the property during the inspection.

Inspection Date:	10/6/2	2014						
Check as Appropriate:		Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:				Document as Applicable:	
Potential Chemical or Physical Hazards	✓	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes
Suspect ACM		Latitude:						
Residual Process Materials								
Potentially Abandoned Containers								
Soil Staining/Stressed Vegetation		Longitude:						
Potential PCB or Mercury Containing Equipment								
Other:								
Suspect ACM		Latitude:					NA DAME A	
Residual Process Materials		_						
Potentially Abandoned Containers					200	- I M		
Soil Staining/Stressed Vegetation		Longitude:				A STATE OF THE PARTY OF THE PAR	THE RESERVE	
Potential PCB or Mercury Containing Equipment					1.27 ; 15. (6.5)			
Other:								
Suspect ACM		Latitude:			7005			
Residual Process Materials						CHARLEST PROFILE	A CONTRACT OF THE	
Potentially Abandoned Containers							A CONTRACT OF THE SECOND	经过的
Soil Staining/Stressed Vegetation		Longitude:					AND THE PERSON OF THE PERSON O	
Potential PCB or Mercury Containing Equipment		1			Vi	iew looking sout	h/southwest at the Village Pa	ark on the subject property.
, 311						I I I I I I I I I I I I I I I I I I I	in/southwest at the village ro	ark on the subject property.
Other:								
Suspect ACM		Latitude:					****	
Residual Process Materials						1.		
Potentially Abandoned Containers						1000	THE RESERVE TO SERVE THE PARTY OF THE PARTY	NAME OF TAXABLE PARTY.
Soil Staining/Stressed Vegetation		Longitude:				The same of the sa	THE PROPERTY OF	
Potential PCB or Mercury Containing Equipment						I		
Othor							(19)	
Other: Suspect ACM		Latitude:						
Residual Process Materials								
Potentially Abandoned Containers		1						
Soil Staining/Stressed Vegetation		Longitude:				1.		
Potential PCB or Mercury Containing Equipment					9.20		As of the	
		-						
Other:					• 3			
Suspect ACM		Latitude:						
Residual Process Materials								
Potentially Abandoned Containers					V	iew looking eas	t at eroded portions of the ca	p/shoreline in the eastern portion
Soil Staining/Stressed Vegetation		Longitude:				f the subject pro		•
Potential PCB or Mercury Containing Equipment								
Other:								

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Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs Abandoned Mining Wastes - Torch Lake Non-Superfund Site Calumet and Hecla - Lake Linden Operations

Geographic Area:	Lake Linden Processing Area	
Property (Common Name):	Lake Linden Marina	
Property Identification Number:	014-306-003-50	

General Property Description (Significant Land scape Features, Topography, Cover, Etc.): The property is open to the public and serves as the Village of Lake Linden's public marina and boat launch. The property is bound to west by Parcel No. 014-306-003-00, to the north by Parcel No. 014-306-002-00 to the east by Torch Lake, and to the south by Parcel No. 014-306-003-00 and Parcel No. 014-306-004-00. The property is accessible by McDonald Drive. The access road traverses historic foundations associated with mining era operations and loops back to the starting point in the vicinity of the marina. The ground surface is sparsely vegetated in the vicinity of the access road which is primarily comprised of stamp sand. The primary public feature at the property is the boat launch and marina that includes approximately 12 slips for docking. The property also has several picnic areas located along the shoreline. The area was capped during remedial actions implemented by the EPA. Eroded portions of the cap were observed along the north of the marina. The area is partially vegetated and well maintained. With the exception of the foundations along the access road to the marina, no historic or mining era features were observed on the property during the inspection.

Inspection Date:	10/6/2	2014						
Check as Appropriate:		Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:				Document as Applicable:	
Potential Chemical or Physical Hazards	✓	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes
Suspect ACM		Latitude:						
Residual Process Materials								
Potentially Abandoned Containers								
Soil Staining/Stressed Vegetation		Longitude:						
Potential PCB or Mercury Containing Equipment								
Other:								
Suspect ACM		Latitude:		Ve de Sant				
Residual Process Materials		_						
Potentially Abandoned Containers		_	The state of the s					
Soil Staining/Stressed Vegetation		Longitude:		14 8 8 4			A STATE OF THE STA	AND THE RESERVE OF THE PERSON NAMED IN COLUMN TO SERVE OF
Potential PCB or Mercury Containing Equipment		1			Property Co.			And the second second
		_	美国建筑器 是一个人					
Other:		Latitude:		1920	Es e di sa	-047-		
Suspect ACM Residual Process Materials		Latitude.	(1) 是"10"等"10"的"10"。		k Latin	AL		
Residual Process Materials Potentially Abandoned Containers		_			The Address of	-		AND DESCRIPTION OF THE PERSON
Soil Staining/Stressed Vegetation		Longitude:				S (III		
Potential PCB or Mercury Containing Equipment		- Longitude.		Tr. 188				
otentian eb of wicreary containing Equipment		_		A STATE OF THE STA				
Other:				10 March 1980				
Suspect ACM		Latitude:						
Residual Process Materials					1 (4.1 (4.1			
Potentially Abandoned Containers				Section 1	A STATE OF THE STA			
Soil Staining/Stressed Vegetation		Longitude:	1000年代は1000年代		200 St. 18 24 18			7. 95 m. 25
Potential PCB or Mercury Containing Equipment					View looking north	at the marina po	rtion of the subject property.	
Other:				The Man				
Suspect ACM		Latitude:						
Residual Process Materials				The Party of the P				
Potentially Abandoned Containers								
Soil Staining/Stressed Vegetation		Longitude:						
Potential PCB or Mercury Containing Equipment			View looking west/northwest at an area of cap	p/shoreline				
			erosion north of the marina.					
Other:		Latitude:						
Suspect ACM Recidual Process Materials		Latitude.						
Residual Process Materials Potentially Abandoned Containers								
Potentially Abandoned Containers Soil Staining/Stressed Vegetation		Longitude:						
Potential PCB or Mercury Containing Equipment								
r occinian i eb or interedity containing Equipment								
Other:								

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Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs Abandoned Mining Wastes - Torch Lake Non-Superfund Site Calumet and Hecla - Lake Linden Operations

Geographic Area:	Lake Linden Sands Area	
Property (Common Name):	Municipal - Village of Lake Linden	
Property Identification Number:	012-056-006-00 (East)	
Inspection Date:	10/6/2014	

General Property Description (Significant Land scape Features, Topography, Cover, Etc.,): The eastern portion of the parcel is generally a man-made peninsula roughly 200 acres in size. The peninsula is bound on the north by the Torch Lake Backwater, to the east by the Trap Rock River, and to the south by Torch Lake. The peninsula was created by the deposition of mining era wastes, specifically stamp sands. The peninsula was capped during remedial actions implemented by the EPA. Eroded portions of the cap were observed along the south shore of the peninsula. The peninsula is open to the public for recreation including a walking path and a frisbee golf course operated by the Village of Lake Linden. A portion of the southern part of the peninsula is owned and operated by the Torch Lake Sewage Authority (Parcel No. 012-056-011-00). The area is generally well vegetated. No historic or mining era features were observed on the property during the inspection.

Check as Appropriate:		Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:	Document as Applicable:							
Potential Chemical or Physical Hazards	✓	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes			
Suspect ACM		Latitude:									
Residual Process Materials											
Potentially Abandoned Containers											
Soil Staining/Stressed Vegetation		Longitude:									
Potential PCB or Mercury Containing Equipment											
Other: Guspect ACM		Latitude:									
Residual Process Materials					Silvery Telephone	No. of Street, or other Persons					
Potentially Abandoned Containers											
Soil Staining/Stressed Vegetation		Longitude:									
Potential PCB or Mercury Containing Equipment											
otential FCB of Mercury Containing Equipment											
Other:											
Suspect ACM		Latitude:			2 A ST 2						
Residual Process Materials							7	(A)			
Potentially Abandoned Containers								The second secon			
oil Staining/Stressed Vegetation		Longitude:						AN 图 第二十二十二十二十二三			
Potential PCB or Mercury Containing Equipment					View lo	ooking west at th	e southern shoreline of the subjec	ct property.			
							T				
Other:		1									
Suspect ACM		Latitude:									
Residual Process Materials											
Potentially Abandoned Containers											
Soil Staining/Stressed Vegetation		Longitude:									
Potential PCB or Mercury Containing Equipment											
Other:						A.B.:					
Suspect ACM		Latitude:			Section 1	A STATE OF THE STA					
Residual Process Materials							A THE PARTY OF THE	The same of the sa			
Potentially Abandoned Containers					war sales and			A SHOULD BE SHOU			
Soil Staining/Stressed Vegetation		Longitude:									
Potential PCB or Mercury Containing Equipment					And the						
					Mary A	The service					
Other:					(A 74)						
Suspect ACM		Latitude:			96	A San	A Part American				
Residual Process Materials					1	The Land	THE PARTY NAMED IN				
Potentially Abandoned Containers					View Id	ooking west/nor	thwest along the recreational trail	on the subject property.			
Soil Staining/Stressed Vegetation		Longitude:			V.6.77	1	The residential train				
Potential PCB or Mercury Containing Equipment											
Other:											

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Draft Site Investigation Report - Appendix D Weston Solutions of Michigan, Inc. SITE INSPECTIONS - RECONNAISSANCE LOGS

Appendix D

Appendix 5
tential Physical and Health Hazard Inventory - Reconnaissance Log
Abandoned Mining Wastes - Torch Lake Non-Superfund Site
Calumet and Hecla - Lake Linden Operations

General Property Description (Significant Land scape Features, Topography, Cover, Etc.,): The parcel is located in the southern half of the stamp sand peninsula, located within Parcel No. 012-056-006-00. The parcel is fenced and comprised of two water treatment lagoons owned and operated by the Torch Lake Sewage Authority. The area is generally well vegetated. No historic or Lake Linden Sands Area Geographic Area: mining era features were observed on the property during the inspection. Property (Common Name): **Municipal - Torch Lake Sewage Authority** 012-056-011-00 Property Identification Number:

Check as Appropriate:	Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:				Document as Applicable:	
Potential Chemical or Physical Hazards	✓ Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes
Suspect ACM	Latitude:						
Residual Process Materials							
Potentially Abandoned Containers							
Soil Staining/Stressed Vegetation	Longitude:						
Potential PCB or Mercury Containing Equipment							
Other:							
Suspect ACM	Latitude:						
Residual Process Materials							
Potentially Abandoned Containers							
Soil Staining/Stressed Vegetation	Longitude:						
Potential PCB or Mercury Containing Equipment							
Other:							
Suspect ACM	Latitude:						
Residual Process Materials							
Potentially Abandoned Containers							
Soil Staining/Stressed Vegetation	Longitude:						
Potential PCB or Mercury Containing Equipment							
Other:	1.00						
Suspect ACM	Latitude:						
Residual Process Materials							
Potentially Abandoned Containers	Longitudos						
Soil Staining/Stressed Vegetation	Longitude:						
Potential PCB or Mercury Containing Equipment							
Other:							
Suspect ACM	Latitude:						
Residual Process Materials							
Potentially Abandoned Containers							
Soil Staining/Stressed Vegetation	Longitude:						
Potential PCB or Mercury Containing Equipment							
Other:							
Suspect ACM	Latitude:						
Residual Process Materials							
Potentially Abandoned Containers							
Soil Staining/Stressed Vegetation	Longitude:						
Potential PCB or Mercury Containing Equipment							
Other:							

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10/6/2014

Inspection Date:

Weston Solutions of Michigan, Inc.

PROPERTY INSPECTION AND INVENTORY

Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs Abandoned Mining Wastes - Torch Lake Non-Superfund Site Calumet and Hecla - Lake Linden Operations

 Geographic Area:
 Lake Linden Processing Area

 Property (Common Name):
 Houghton County Historical Society

 Property Identification Number:
 014-306-003-00

 Inspection Date:
 5/13/2015

General Property Description (Significant Land scape Features, Topography, Cover, Etc.): Access is restricted to the property; however, the public is allowed to tour various areas of the property. The property is bound to west by Highway M-26, to the north by Parcel No. 014-306-002-00, to the east by Parcel No. 014-306-003-50, and to the south by Parcel No. 014-306-004-00. The property is not fenced and does not front along Torch Lake. The property includes portions of the former stamp mill and reclamation operations. Foundations and mining era materials and equipment are present in the central portion of the property. The western portion of the property includes a parking area comprised of stamp sand and various facilities for visitors. EPA completed remedial activities at the adjacent property to the south between 2010 and 2014, which was part of the same mining era complex. Suspect asbestos containing materials, including thermal system insulation, asphaltic roofing material, and transite were observed on the concrete floors and foundations in the eastern portion of the property.

Inspection Date:	5/13/2015							
Check as Appropriate:	Record Field M	Neasurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:				Document as Applicable:	
Potential Chemical or Physical Hazards	✓ Location/0	Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes
Suspect ACM	✓ Latitude: 4	17.187595						
Residual Process Materials								
Potentially Abandoned Containers								Material sample CHLL-ASBBLK46-063015 collected
Soil Staining/Stressed Vegetation	Longitude:	-88.410768	CHLL-SACM01 - Weathered black roofing material, damaged, friable.			190		during the targeted inspection activities is consistent with the material identified during the reconnaissance
Potential PCB or Mercury Containing Equipment								activities.
							ay and a second	
Other:	✓ Latitude: 4	17 107700						
Suspect ACM	V Latitude: 4	17.107700					4200	
Residual Process Materials								Material sample CHLL-ASBBLK46-063015 collected
Potentially Abandoned Containers	191.	00 440740	CHLL-SACM02 - Weathered black roofing material, damaged, friable.				THE REAL PROPERTY.	during the targeted inspection activities is consistent with
Soil Staining/Stressed Vegetation	Longitude:	-88.410743	Clife-SACIVIO2 - Weathered black fooling material, damaged, mable.				-	the material identified during the reconnaissance
Potential PCB or Mercury Containing Equipment				CONTRACTOR OF THE PARTY OF THE				activities.
Other:						State of the state		
Suspect ACM	✓ Latitude: 4	17.187691		and the second				
Residual Process Materials						240		
Potentially Abandoned Containers				A CONTRACTOR OF THE PARTY OF TH				Material sample CHLL-ASBBLK46-063015 collected
Soil Staining/Stressed Vegetation	Longitude:	CHLL-SACM03 - Weathered bla	CHLL-SACM03 - Weathered black roofing material, damaged, friable.					during the targeted inspection activities is consistent with the material identified during the reconnaissance
Potential PCB or Mercury Containing Equipment				View looking south at the subject	ct property.			activities.
Other:		17.407000						
Suspect ACM	✓ Latitude: 4	47.187609			1 P - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	OR LAND TO NO. 4 EM		
Residual Process Materials					TX AA	经 集制推	11:	Material sample CHLL-ASBBLK42-063015 collected during the targeted inspection activities is consistent with
Potentially Abandoned Containers		00.440000	CITIL CACMOA Masthared block fibrage material/mat	M S S S N	IT NOW		M. The second second	
Soil Staining/Stressed Vegetation	Longitude:	-88.410803	CHLL-SACM04 - Weathered, black, fibrous material/mat.	THE REAL PROPERTY.				the material identified during the reconnaissance
Potential PCB or Mercury Containing Equipment					market to			activities.
Other:						A Charles		
Suspect ACM	✓ Latitude: 4	17.187542			- 1 SAS			
Residual Process Materials								
Potentially Abandoned Containers						1		Material sample CHLL-ASBBLK42-063015 collected
Soil Staining/Stressed Vegetation	Longitude:	-88.410839	CHLL-SACM05 - Weathered, blackish gray, fibrous, paper-like/cardboard-like material, damaged, friable.			and her street		during the targeted inspection activities is consistent with the material identified during the reconnaissance
Potential PCB or Mercury Containing Equipment			damaged, mable.			5		activities.
						A HERE		
Other:						Marie Land	S. Carlottan	
Suspect ACM	Latitude: 4	17.187619				AL I		
Residual Process Materials								Material samples CHLL-ASBBLK46-063015 and
Potentially Abandoned Containers			CHLL-SACM06 - Center of floatation table, suspect thermal systems insulation and highly	View looking northwest at suspe	act thermal system	nculation in the	center of a floatation table at	CHLLASBBLK39-063015 collected during the targeted
Soil Staining/Stressed Vegetation	Longitude:	-88.411004	weathered asphaltic roofing material, damaged, friable.	the subject property.	cu mermai system	nsulation in the (center of a modiation lable at	inspection activities are consistent with the materials
Potential PCB or Mercury Containing Equipment			weathered asphaltic rooting material, damaged, mable.	and subject property.				identified during the reconnaissance activities.
Other								
Otner:								

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Weston Solutions of Michigan, Inc. Site Investigation Report PROPERTY INSPECTION AND INVENTORY

Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs **Abandoned Mining Wastes - Torch Lake Non-Superfund Site**

Calumet and Hecla - Lake Linden Operations

Lake Linden Processing Area Geographic Area: Property (Common Name): **Houghton County Historical Society Property Identification Number:** 014-306-003-00

General Property Description (Significant Land scape Features, Topography, Cover, Etc.): Access is restricted to the property; however, the public is allowed to tour various areas of the property. The property is bound to west by Highway M-26, to the north by Parcel No. 014-306-002-00, to the east by Parcel No. 014-306-003-50, and to the south by Parcel No. 014-306-004-00. The property is not fenced and does not front along Torch Lake. The property includes portions of the former stamp mill and reclamation operations. Foundations and mining era materials and equipment are present in the central portion of the property. The western portion of the property includes a parking area comprised of stamp sand and various facilities for visitors. EPA completed remedial activities at the adjacent property to the south between 2010 and 2014, which was part of the same mining era complex. Suspect asbestos containing materials, including thermal system insulation, asphaltic roofing material, and transite were observed on the concrete floors and foundations in the eastern portion of the property.

Inspection Date:	5/13/2	2015									
Check as Appropriate:		Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:				Document as Applicable:				
Potential Chemical or Physical Hazards	✓	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes			
Suspect ACM	✓	Latitude: 47.187571									
Residual Process Materials											
Potentially Abandoned Containers			CHLL-SACM07 - Suspect thermal system insulation in a trench in the floor of the former					Material sample CHLL-ASBBLK39-063015 collected during the targeted inspection activities is consistent with			
Soil Staining/Stressed Vegetation		Longitude: -88.411033	stamp mill/reclamation plant. The material is weathered, damaged, and friable.					the material identified during the reconnaissance			
Potential PCB or Mercury Containing Equipment			ciap					activities.			
				Marine 1900		1 1/6					
Other:		Latitude: 47.187563									
Suspect ACM	v	Latitude: 47.107505									
Residual Process Materials		_	CLUL CACMOD Compact compactitions beard from an antimity and being marketing and arises					Material sample CHLL-ASBBLK43-063015 collected			
Potentially Abandoned Containers		Langituda, 90 411016	CHLL-SACM08 - Suspect cementitious board fragment with asphaltic roofing material in a trench in the floor of the former stamp mill/reclamation plant. The material is weathered,	2			San San	during the targeted inspection activities is consistent with			
Soil Staining/Stressed Vegetation		Longitude: -88.411016	damaged, and friable.					the material identified during the reconnaissance			
Potential PCB or Mercury Containing Equipment				The same of the	1	No. of the		activities.			
Other:					16/6						
Suspect ACM	✓	Latitude: 47.187473		· · · · · · · · · · · · · · · · · · ·	V 5/1						
Residual Process Materials					1117			M / :			
Potentially Abandoned Containers								Material sample CHLL-ASBBLK44-063015 collected during the targeted inspection activities is consistent with			
Soil Staining/Stressed Vegetation		Longitude: -88.410897	CHLL-SACM09 - Suspect grayish white transite fragment, damaged, friable.		27 14			the material identified during the reconnaissance			
Potential PCB or Mercury Containing Equipment				View looking down/west at asph	altic roofing materi	al and suspect tr	ransite in a vault in the floor	activities.			
				of the stamp mill at the subject p	property.						
Other:		1 1 47 407400									
Suspect ACM	→	Latitude: 47.187462									
Residual Process Materials		_						Material samples CHLL-ASBBLK46-063015 and			
Potentially Abandoned Containers			CHLL-SACM10 - Suspect transite and asphaltic roofing material in a subgrade vault in the floor of the former stamp mill/reclamation plant. The material is weathered, damaged, and	是基础上上	CHLLASBBLK43-						
Soil Staining/Stressed Vegetation		Longitude: -88.411068	friable.		063015 collected during the targeted inspection activities are consistent with the materials						
Potential PCB or Mercury Containing Equipment						Maria de		identified during the reconnaissance activities.			
Other:											
Suspect ACM	✓	Latitude: 47.187377		THE PERSON NAMED IN COLUMN TWO		2-2-1-1	The Paris of the P				
Residual Process Materials						The state of the s		M / :			
Potentially Abandoned Containers			CHLL-SACM11 - Weathered, blackish gray, fibrous, paper-like/cardboard-like material,			100	The State of the S	Material sample CHLL-ASBBLK42-063015 collected			
Soil Staining/Stressed Vegetation		Longitude: -88.410911	damaged, friable.	The state of the s				during the targeted inspection activities is consistent with the material identified during the reconnaissance			
Potential PCB or Mercury Containing Equipment								activities.			
					THE RESERVE		The state of				
Other:		Latitude: 47.187349			1						
Suspect ACM Residual Process Materials	_ V										
				作品的 人名	The state of the s	A CONTRACTOR OF THE PARTY OF TH		Material sample CHLL-ASBBLK42-063015 collected			
Potentially Abandoned Containers Soil Staining/Strossed Vagatation		Longitude: -88 /11003	CHLL-SACM12 - Weathered, blackish gray, fibrous, paper-like/cardboard-like material,	View looking north at the floor a	nd floatation struct	ures associated	with the historical stamp mill	during the targeted inspection activities is consistent with			
Soil Staining/Stressed Vegetation Potential PCP or Marcury Containing Equipment			gitude: -88.41093 damaged, friable.	View looking north at the floor and floatation structures associated with the historical stamp mill the material identif				the material identified during the reconnaissance			
Potential PCB or Mercury Containing Equipment				and to the state of the state o				activities.			
Other:											

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Weston Solutions of Michigan, Inc.

PROPERTY INSPECTION AND INVENTORY

Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs Abandoned Mining Wastes - Torch Lake Non-Superfund Site Calumet and Hecla - Lake Linden Operations

Geographic Area:

Property (Common Name):

Houghton County Historical Society

Property Identification Number:

014-306-003-00

General Property Description (Significant Land scape Features, Topography, Cover, Etc.): Access is restricted to the property; however, the public is allowed to tour various areas of the property. The property is bound to west by Highway M-26, to the north by Parcel No. 014-306-002-00, to the east by Parcel No. 014-306-003-50, and to the south by Parcel No. 014-306-004-00. The property is not fenced and does not front along Torch Lake. The property includes portions of the former stamp mill and reclamation operations. Foundations and mining era materials and equipment are present in the central portion of the property. The western portion of the property includes a parking area comprised of stamp sand and various facilities for visitors. EPA completed remedial activities at the adjacent property to the south between 2010 and 2014, which was part of the same mining era complex. Suspect asbestos containing materials, including thermal system insulation, asphaltic roofing material, and transite were observed on the concrete floors and foundations in the eastern portion of the property.

Inspection Date:	5/13/2	2015						
Check as Appropriate:		Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:				Document as Applicable:	
Potential Chemical or Physical Hazards	✓	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes
Suspect ACM	✓	Latitude: 47.187342						
Residual Process Materials		7						
Potentially Abandoned Containers		7	CHLL-SACM13 - Suspect thermal system insulation commingled with stamp sand on the					Material sample CHLL-ASBBLK39-063015 collected
Soil Staining/Stressed Vegetation		Longitude: -88.410955	floor of the former stamp mill/reclamation plant. The material is weathered, damaged, and					during the targeted inspection activities is consistent with the material identified during the reconnaissance
Potential PCB or Mercury Containing Equipment		7	friable.			K		activities.
		7			THE PARTY		A Marin	
Other:		Latitude: 47.187321			MAYER	100		
Suspect ACM	V	Latitude: 47.187321				Y.	The state of the s	
Residual Process Materials		4						Material sample CHLL-ASBBLK46-063015 collected
Potentially Abandoned Containers		Longitude: -88.41109	CHLL-SACM14 - Asphaltic roofing material and building debris in a trench in the floor of the		A Company	7数。这		during the targeted inspection activities is consistent with
Soil Staining/Stressed Vegetation		Longitude: -00.41109	former stamp mill/reclamation plant. The material is weathered, damaged, and friable.		一个一个	L	The second second	the material identified during the reconnaissance
Potential PCB or Mercury Containing Equipment		4				4 TO 8		activities.
Other:					· 87			
Suspect ACM	✓	Latitude: 47.187247			中有一种种	CINCIL	A CONTRACTOR	
Residual Process Materials		_			A CONTRACTOR	A TOTAL	A STATE OF THE STA	Matarial agraphs OLUL ACRRUKAO 000045 agliantad
Potentially Abandoned Containers		1	CHLL-SACM15 - Approximately 20 square feet of weathered, blackish gray, fibrous, paper-		计单位			Material sample CHLL-ASBBLK42-063015 collected during the targeted inspection activities is consistent with
Soil Staining/Stressed Vegetation		Longitude: -88.410992	like/cardboard-like material and debris, commingled with stamp sand.		LA A TOTAL	建筑		the material identified during the reconnaissance
Potential PCB or Mercury Containing Equipment		7	στο του στο	View looking down/north at susp	pect asbestos conta	ining material at	t the subject property.	activities.
Other:		1 a bib d a						
Suspect ACM	Y	Latitude: 47.187185						
Residual Process Materials		4						Material sample CHLL-ASBBLK42-063015 collected
Potentially Abandoned Containers Soil Staining/Stressed Vegetation		Longitude: -88.411028	CHLL-SACM16 - Approximately 3 foot by 3 foot mat of weathered, blackish gray, fibrous,			during the targeted inspection activities is consistent with		
Potential PCB or Mercury Containing Equipment		Longitude. 00.411020	paper-like/cardboard-like material, damaged, friable.			the material identified during the reconnaissance activities.		
Potential PCB of Mercury Containing Equipment								activities.
Other:							THE REAL PROPERTY.	
Suspect ACM	✓	Latitude: 47.187205			个包含水质的			
Residual Process Materials						The same of		Material accords CHILL ACREMITED CONSTRUCTION
Potentially Abandoned Containers			CHLL-SACM17 - Approximate 1 foot by 1 foot by 2 inches thick fibrous, gray, damaged,		S. North	Table No.	ALC VITE	Material sample CHLL-ASBBLK51-063015 collected during the targeted inspection activities is consistent with
Soil Staining/Stressed Vegetation		Longitude: -88.411293	cementitious material/insulating board.			Contract of	The Control of the Co	the material identified during the reconnaissance
Potential PCB or Mercury Containing Equipment						1	A THE PARTY OF THE	activities.
Othory								
Other: Suspect ACM	1	Latitude: 47.187165						
Residual Process Materials	•				- X		11-10	
Potentially Abandoned Containers					AN AND THE	PRO TEN		Material sample CHLL-ASBBLK38-063015 collected
Soil Staining/Stressed Vegetation		Longitude: -88.411302	CHLL-SACM18 - Tar coated, fibrous rope-like material around the top of a floatation table.	View looking down at tar laden f	ibrous material aro	und the top of o	one of the floatation tables at	during the targeted inspection activities is consistent with
Potential PCB or Mercury Containing Equipment		20151002	Appears to be a gasket and is generally consistent on each of the floatation tables.	the subject property.				the material identified during the reconnaissance activities.
Totalital 1 CD of Wichelly Containing Equipment								activities.
Other:								

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Weston Solutions of Michigan, Inc.

PROPERTY INSPECTION AND INVENTORY

Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs Abandoned Mining Wastes - Torch Lake Non-Superfund Site

Calumet and Hecla - Lake Linden Operations

 Geographic Area:
 Lake Linden Processing Area

 Property (Common Name):
 Houghton County Historical Society

 Property Identification Number:
 014-306-003-00

General Property Description (Significant Land scape Features, Topography, Cover, Etc.): Access is restricted to the property; however, the public is allowed to tour various areas of the property. The property is bound to west by Highway M-26, to the north by Parcel No. 014-306-002-00, to the east by Parcel No. 014-306-003-50, and to the south by Parcel No. 014-306-004-00. The property is not fenced and does not front along Torch Lake. The property includes portions of the former stamp mill and reclamation operations. Foundations and mining era materials and equipment are present in the central portion of the property. The western portion of the property includes a parking area comprised of stamp sand and various facilities for visitors. EPA completed remedial activities at the adjacent property to the south between 2010 and 2014, which was part of the same mining era complex. Suspect asbestos containing materials, including thermal system insulation, asphaltic roofing material, and transite were observed on the concrete floors and foundations in the eastern portion of the property.

Inspection Date:	5/13/	2015							
Check as Appropriate:		Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:				Document as Applicable:		
Potential Chemical or Physical Hazards	✓	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes	
Suspect ACM	✓	Latitude: 47.187101							
Residual Process Materials									
Potentially Abandoned Containers			CHILL SACMIO. Application motorial and building debric in a transh in the floor of the				A RANGE	Material sample CHLL-ASBBLK46-063015 collected	
Soil Staining/Stressed Vegetation		Longitude: -88.411262	CHLL-SACM19 - Asphaltic roofing material and building debris in a trench in the floor of the former stamp mill/reclamation plant. The material is weathered, damaged, and friable.					during the targeted inspection activities is consistent with the material identified during the reconnaissance	
Potential PCB or Mercury Containing Equipment			Torrior stamp minimostamation plant. The material is weathered, damaged, and maste.			1/1/		activities.	
Other:									
Suspect ACM	✓	Latitude: 47.187017					$\langle A \rangle \langle A \rangle$		
Residual Process Materials		_							
Potentially Abandoned Containers			CHLL-SACM20 - Suspect thermal system insulation commingled with stamp sand on the					Material sample CHLL-ASBBLK39-063015 collected	
Soil Staining/Stressed Vegetation		Longitude: -88.411078	east wall of the former stamp mill/reclamation plant. The material is weathered, damaged,					during the targeted inspection activities is consistent with the material identified during the reconnaissance	
Potential PCB or Mercury Containing Equipment			and friable.					activities.	
								delivines.	
Other:				人名英格兰					
Suspect ACM	✓	Latitude: 47.186941							
Residual Process Materials								Material sample CHLL-ASBBLK39-063015 collected	
Potentially Abandoned Containers			CHLL-SACM21 - Suspect thermal system insulation in a trench in the floor of the former	View lacking days at average the	annal in culatina ma	tanial agrandad	and written at a man and a matter	during the targeted inspection activities is consistent with	
Soil Staining/Stressed Vegetation		Longitude: -88.411159	stamp mill/reclamation plant. The material is weathered, damaged, and friable.	View looking down at suspect the floor of the stamp mill at the sub		iteriai commingi	ed with stamp sand on the	the material identified during the reconnaissance	
Potential PCB or Mercury Containing Equipment				11001 of the stamp fill at the sub-	Гест ргоренту.	1		activities.	
Other:									
Suspect ACM	✓	Latitude: 47.186987							
Residual Process Materials			Lautade: 17.190007			THE RESERVE		Material samples CHLL-ASBBLK46-063015 and	
Potentially Abandoned Containers			CHLL-SACM22 - Suspect thermal system insulation and asphaltic roofing material in a		- I			CHLLASBBLK39-	
Soil Staining/Stressed Vegetation		Longitude: -88.411321	trench in the floor of the former stamp mill/reclamation plant. The material is weathered,					063015 collected during the targeted	
Potential PCB or Mercury Containing Equipment			damaged, and friable.				4 -	inspection activities are consistent with the materials	
							18	identified during the reconnaissance activities.	
Other:		<u> </u>							
Suspect ACM	√	Latitude: 47.186918			The E				
Residual Process Materials		_		A STATE OF THE STA		METAL TO		Material sample CHLL-ASBBLK51-063015 collected	
Potentially Abandoned Containers							* 7 7 1 2 2	during the targeted inspection activities is consistent with	
Soil Staining/Stressed Vegetation		Longitude: -88.411297	CHLL-SACM23 - Gray, damaged, fibrous, cementitious material/insulating board.					the material identified during the reconnaissance	
Potential PCB or Mercury Containing Equipment		_				77L7	Y // Salah	activities.	
Other:									
Suspect ACM	✓	Latitude: 47.186817		CARLOW THE THE					
Residual Process Materials						AL PRO			
Potentially Abandoned Containers			CHLL-SACM24 - Suspect thermal system insulation commingled with stamp sand on the			14 数据 26 发		Material sample CHLL-ASBBLK39-063015 collected	
Soil Staining/Stressed Vegetation		Longitude: -88.411184	east wall of the former stamp mill/reclamation plant. The material is weathered, damaged,	View looking northwest at scrap r		materials staged	outside of one of the	during the targeted inspection activities is consistent with the material identified during the reconnaissance	
Potential PCB or Mercury Containing Equipment				museum buildings at the subject	property.			activities.	
Other:									

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Weston Solutions of Michigan, Inc.

PROPERTY INSPECTION AND INVENTORY

Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs Abandoned Mining Wastes - Torch Lake Non-Superfund Site Calumet and Hecla - Lake Linden Operations

Geographic Area:

Property (Common Name):

Houghton County Historical Society

Property Identification Number:

014-306-003-00

General Property Description (Significant Land scape Features, Topography, Cover, Etc.): Access is restricted to the property; however, the public is allowed to tour various areas of the property. The property is bound to west by Highway M-26, to the north by Parcel No. 014-306-002-00, to the east by Parcel No. 014-306-003-50, and to the south by Parcel No. 014-306-004-00. The property is not fenced and does not front along Torch Lake. The property includes portions of the former stamp mill and reclamation operations. Foundations and mining era materials and equipment are present in the central portion of the property. The western portion of the property includes a parking area comprised of stamp sand and various facilities for visitors. EPA completed remedial activities at the adjacent property to the south between 2010 and 2014, which was part of the same mining era complex. Suspect asbestos containing materials, including thermal system insulation, asphaltic roofing material, and transite were observed on the concrete floors and foundations in the eastern portion of the property.

Inspection Date:	5/13/2	2015 and 6/30/2015							
Check as Appropriate:		Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:				Document as Applicable:		
Potential Chemical or Physical Hazards	✓	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes	
Suspect ACM	✓	Latitude: 47.18672							
Residual Process Materials		1							
Potentially Abandoned Containers		1	CLILL CACMOE Washared blookish area, fibrous pener like/southeard like material		100	Material sample CHLL-ASBBLK42-063015 collected			
Soil Staining/Stressed Vegetation		Longitude: -88.411255	CHLL-SACM25 - Weathered, blackish gray, fibrous, paper-like/cardboard-like material, damaged, friable.				A formation of the same of the	during the targeted inspection activities is consistent with the material identified during the reconnaissance	
Potential PCB or Mercury Containing Equipment			damagod, masio.					activities.	
Other				E. L. State					
Other:		Latitude: 47.186722		建设国际					
Suspect ACM Residual Process Materials	v								
Residual Process Materials		_						Material sample CHLL-ASBBLK42-063015 collected	
Potentially Abandoned Containers		Lancitude: 00 /11/72	CHLL-SACM26 - Weathered, blackish gray, fibrous, paper-like/cardboard-like material,				1	during the targeted inspection activities is consistent with	
Soil Staining/Stressed Vegetation		Longitude: -88.411472	damaged, friable located in the center of a floatation table.					the material identified during the reconnaissance	
Potential PCB or Mercury Containing Equipment						32/1		activities.	
Other:									
Suspect ACM	√	Latitude: 47.186624							
Residual Process Materials								Metarial comple CLILL ASPRI K20 052045 collected	
Potentially Abandoned Containers			CHLL-SACM27 - Suspect thermal system insulation commingled with stamp sand on the	一种一个人工作	一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个		-12	Material sample CHLL-ASBBLK39-063015 collected	
Soil Staining/Stressed Vegetation		Longitude: -88.411279	east wall of the former stamp mill/reclamation plant. The material is weathered, damaged,	The second secon			A STATE OF THE STA	during the targeted inspection activities is consistent with the material identified during the reconnaissance	
Potential PCB or Mercury Containing Equipment			and friable.	View looking north at a drum car	cass located on on	ne of the floatati	on tables at the subject	activities.	
				property.					
Other:									
Suspect ACM		Latitude: 47.186691817							
Residual Process Materials									
Potentially Abandoned Containers	✓		CHLL-DRUMCARCASS01: Rusted 55-gallon drum, crushed, damaged, half filled with						
Soil Staining/Stressed Vegetation		Longitude: -88.411473447	debris.						
Potential PCB or Mercury Containing Equipment		_							
Other:									
Suspect ACM		Latitude: 47.186617169							
Residual Process Materials		1			ST TO BE	4 <u>2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 </u>			
Potentially Abandoned Containers	✓	1							
Soil Staining/Stressed Vegetation		Longitude: -88.41126237	CHLL-DRUMCARCASS02: Yellow, rusted, 55 gallon drum, crushed, damaged.						
Potential PCB or Mercury Containing Equipment		1							
		1					全对外		
Other:						/ / / / 专	TO THE STATE OF TH		
Suspect ACM		Latitude: 47.187098325							
Residual Process Materials									
Potentially Abandoned Containers	✓		CHLL-DRUMCARCASS03: Suspect drum carcass, rusted, crushed, in a trench in the floor	Vious lo oking a suth a set at at at a	ove equipment	nd motorials at	red outside of one of the		
Soil Staining/Stressed Vegetation		Longitude: -88.411045305	and partially obscured from view, possibly a metal culvert.	View looking southeast at mining museum buildings at the subject		iu materials stag	ged outside of one of the		
Potential PCB or Mercury Containing Equipment			muser	muscum bunungs at the subject	property.				
Other:									

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Weston Solutions of Michigan, Inc.

PROPERTY INSPECTION AND INVENTORY

Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs Abandoned Mining Wastes - Torch Lake Non-Superfund Site Calumet and Hecla - Lake Linden Operations

Geographic Area:

Property (Common Name):

Lake Linden Processing Area

Houghton County Historical Society

014-306-003-00

Property Identification Number:

General Property Description (Significant Land scape Features, Topography, Cover, Etc.): Access is restricted to the property; however, the public is allowed to tour various areas of the property. The property is bound to west by Highway M-26, to the north by Parcel No. 014-306-002-00, to the east by Parcel No. 014-306-003-50, and to the south by Parcel No. 014-306-004-00. The property is not fenced and does not front along Torch Lake. The property includes portions of the former stamp mill and reclamation operations. Foundations and mining era materials and equipment are present in the central portion of the property. The western portion of the property includes a parking area comprised of stamp sand and various facilities for visitors. EPA completed remedial activities at the adjacent property to the south between 2010 and 2014, which was part of the same mining era complex. Suspect asbestos containing materials, including thermal system insulation, asphaltic roofing material, and transite were observed on the concrete floors and foundations in the eastern portion of the property.

Inspection Date:	6/30/	2015								
Check as Appropriate:		Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:	Document as Applicable:						
Potential Chemical or Physical Hazards	✓	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes		
Suspect ACM		Latitude: 47.18672								
Residual Process Materials										
Potentially Abandoned Containers	✓		ABDN PRESSURE TANK - White, crushed container, ribbed, partially buried in mine rock				Mark Market			
Soil Staining/Stressed Vegetation		Longitude: -88.411255	in the berm around the former stamp mill foundation, could potentially be a historic	400						
Potential PCB or Mercury Containing Equipment			pressure tank.		The second second					
Othor							The same district			
Other:		Latitude: 47.186722				¥ &				
Suspect ACM Residual Process Materials						MA College				
					8					
Potentially Abandoned Containers	v	1	5 GAL GARGOYLE GREASE - A 3-5 gallon, metal pail with "Gargoyle Grease" printed on		1 11					
Soil Staining/Stressed Vegetation		Longitude: -88.411472	the side, appears to be empty.		The safety of	$\sqrt{2} r$				
Potential PCB or Mercury Containing Equipment										
Other:					The same of					
Suspect ACM		Latitude: 47.186624			200	克里				
Residual Process Materials					The second of					
Potentially Abandoned Containers	✓		3 PLASTIC DRUMS - Two empty plastic drums and one half full plastic drum. The drum is				· 从公长年度1000年3			
Soil Staining/Stressed Vegetation		Longitude: -88.411279	filled with what appears to be "clinkers", or non-combustible material from firing the steam			《美工》				
Potential PCB or Mercury Containing Equipment			engine that operates at the property.	View looking southeast at three	plastic drums obs	erved at the subj	ect property. The blue drum is			
				half full with "clinkers".	Γ	_				
Other:										
Suspect ACM		Latitude:								
Residual Process Materials				3 8						
Potentially Abandoned Containers	✓									
Soil Staining/Stressed Vegetation		Longitude:	1 PLASTIC DRUM: Empty plastic drum stored adjacent to a building.							
Potential PCB or Mercury Containing Equipment										
Other:					17					
Suspect ACM		Latitude:								
Residual Process Materials					A STATE OF					
Potentially Abandoned Containers										
Soil Staining/Stressed Vegetation		Longitude:			- V. H. A		Thursday 1971			
Potential PCB or Mercury Containing Equipment		\dashv			THE REAL PROPERTY.					
. committee of mercury containing Equipment		-			A Louis To					
Other:				The state of the s	THE WAR					
Suspect ACM		Latitude:								
Residual Process Materials										
Potentially Abandoned Containers						公下的公司 经				
Soil Staining/Stressed Vegetation		Longitude:		View looking east/southeast at a						
Potential PCB or Mercury Containing Equipment				coal is used to fuel the steam en	gine that operates	s at the museum.				
Other:										

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Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs **Abandoned Mining Wastes - Torch Lake Non-Superfund Site** Calumet and Hecla - Lake Linden Operations

Geographic Area: **Lake Linden Processing Area** Property (Common Name): Power Plant Property - Meninc, Inc. **Property Identification Number:** 014-306-004-00 and 014-307-004-00 7/01/15

Inspection Date:

General Property Description (Significant Land scape Features, Topography, Cover, Etc.,): Field inspectors accessed this private property in 2015. The property is fenced and access is restricted. The property is bound to west by Highway M-26, to the north by Parcel No. 014-306-003-00, to the east by Torch Lake, and to the south by a residential property, Parcel No. 014-720-001-00. The property includes portions of the former stamp mill and reclamation operations. The property was also the location of a power plant that provided electricity to the mining era operations in Lake Linden and Hubbell. Foundations and mining era materials are visible across the property. Under the guidance of the EPA, the identified responsible party, Honeywell, completed remedial activities at the property between 2010 and 2014. Areas of contamination were reportedly remediated and/or capped.

Check as Appropriate: Provide Written Description Including Condition, Content, and Similar Material Properties:			Provide Written Description Including Condition, Content, and Similar Material Properties:	Document as Applicable:					
Potential Chemical or Physical Hazards	✓	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes	
Suspect ACM	✓	Latitude: 47.184957194							
Residual Process Materials									
Potentially Abandoned Containers								Material samples CHLL-ASBBLK60-070115 and CHLLASBBLK63-070115 collected during the targeted	
Soil Staining/Stressed Vegetation		Longitude: -88.411604434	TRANSITE - Suspect grayish white transite fragment.					inspection activities are consistent with the material	
Potential PCB or Mercury Containing Equipment								identified during the reconnaissance activities.	
Other:				The state of the s					
Suspect ACM	✓	Latitude: 47.185022793			A CONTRACTOR				
Residual Process Materials					AND THE REAL PROPERTY.		The second second	Material comple CIII I. ACRRI I/CO 070445 collected	
Potentially Abandoned Containers							-	Material sample CHLL-ASBBLK62-070115 collected during the targeted inspection activities is consistent w	
Soil Staining/Stressed Vegetation		Longitude: -88.41143796	ROOFING - Black asphaltic roofing material.					the material identified during the reconnaissance	
Potential PCB or Mercury Containing Equipment								activities.	
Other:									
Suspect ACM		Latitude: 47.184909472							
Residual Process Materials					A Market				
Potentially Abandoned Containers	✓			and the second second	urface soil location CHLL-SS17-0-6" is representative				
Soil Staining/Stressed Vegetation		Longitude: -88.411543806	DRUMS - Two rusted, crushed, drum carcasses protruding from the hillside.				· · · · · · · · · · · · · · · · · · ·	environmental conditions in the vicinity of the	
Potential PCB or Mercury Containing Equipment		1		View looking north/northeast at	the southern nortic	on of the found	ation for the former nower	reconnaissance location.	
, , , , ,		1		plant located at the subject prop		on or the round	ation for the former power		
Other:				<u> </u>	•				
Suspect ACM		Latitude: 47.184857124							
Residual Process Materials									
Potentially Abandoned Containers							Surface soil location CHLL-SS16-0-6" is representative		
Soil Staining/Stressed Vegetation		Longitude: -88.411716282	DRUM - One rusted, crushed, drum carcass protruding from the hillside.					environmental conditions in the vicinity of the	
Potential PCB or Mercury Containing Equipment								reconnaissance location.	
Othor									
Other: Suspect ACM	1	Latitude: 47.184397058			Se Secure		Little La Street		
Residual Process Materials	_				A hope to the same		Contract of the second		
Potentially Abandoned Containers		-		the witness of the said	- 10			Material sample CHLL-ASBBLK64-070115 collected	
Soil Staining/Stressed Vegetation		Longitude: -88.414122548	SUSPECT THERMAL SYSTEMS INSULATING MATERIAL - Whitish gray fibrous					during the targeted inspection activities is consistent wi	
Potential PCB or Mercury Containing Equipment			insulating material			A TOTAL		the material identified during the reconnaissance	
Total file of Mercury Containing Equipment		+			N			activities.	
Other:					Street, Street				
Suspect ACM		Latitude: 47.184458729		4					
Residual Process Materials									
Potentially Abandoned Containers	✓		DDI IMO. Tura musta di dinuncia socio di cita di constanti di cita di						
Soil Staining/Stressed Vegetation		Longitude: -88.414130673	DRUMS - Two rusted drums, one vertical, orange colored, empty, and upside down and the second, empty, rusted and lying on its side.						
Potential PCB or Mercury Containing Equipment			tine second, empty, rusted and lying on its side.	View looking south at the floor and			at the subject property. visible on the right side of the		
Other:						51 12 37 27 5	3 13/45 51 5/16		

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Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs Abandoned Mining Wastes - Torch Lake Non-Superfund Site Calumet and Hecla - Lake Linden Operations

Geographic Area:	Hubbell Coal Dock Area
Property (Common Name):	Residential - Hoganson
Property Identification Number:	014-720-001-00
Inspection Date:	10/06/14

General Property Description (Significant Land scape Features, Topography, Cover, Etc.,): Field inspectors did not access this private property. The property is bound on the north by Parcel No. 014-307-004-00, to the west by Highway M-26, to the south by Parcel No. 014-720-002-00, and to the east by Torch Lake. The property includes a private beach located along the shoreline of Torch Lake. The topography of the property appears to be flat, gently sloping to the east towards the shoreline. The ground surface is well-vegetated and maintained. The structures on the property include a residential home, a garage, and an out building. No historic or mining era features were observed on the property during the inspection.

Check as Appropriate: Provide Written Description Including Condition, Content, and Similar Material Properties:			Provide Written Description Including Condition, Content, and Similar Material Properties:	Document as Applicable:					
Potential Chemical or Physical Hazards	✓	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes	
Suspect ACM		Latitude:							
Residual Process Materials		7							
Potentially Abandoned Containers		7							
Soil Staining/Stressed Vegetation		Longitude:							
Potential PCB or Mercury Containing Equipment									
Other:									
Suspect ACM		Latitude:							
Residual Process Materials									
Potentially Abandoned Containers									
Soil Staining/Stressed Vegetation		Longitude:				1/X	THE PARTY OF THE P		
Potential PCB or Mercury Containing Equipment									
Other:									
Suspect ACM		Latitude:					有发 不		
Residual Process Materials						The LA			
Potentially Abandoned Containers									
Soil Staining/Stressed Vegetation		Longitude:							
Potential PCB or Mercury Containing Equipment		7							
, , , ,		7							
Other:					a Majaria				
Suspect ACM		Latitude:							
Residual Process Materials									
Potentially Abandoned Containers					100000				
Soil Staining/Stressed Vegetation		Longitude:			A CONTRACTOR OF THE PARTY OF TH				
Potential PCB or Mercury Containing Equipment					View lo	ooking east at the	subject property.		
Other:									
Suspect ACM		Latitude:							
Residual Process Materials									
Potentially Abandoned Containers									
Soil Staining/Stressed Vegetation		Longitude:							
Potential PCB or Mercury Containing Equipment									
Other:									
Suspect ACM		Latitude:							
Residual Process Materials									
Potentially Abandoned Containers									
Soil Staining/Stressed Vegetation		Longitude:							
Potential PCB or Mercury Containing Equipment									
rotentian CD or Microary Containing Equipment									
Other:									

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Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs Abandoned Mining Wastes - Torch Lake Non-Superfund Site Calumet and Hecla - Lake Linden Operations

Geographic Area:	Hubbell Coal Dock Area	
Property (Common Name):	Residential - Meneguzzo	
Property Identification Number:	014-720-002-00	
Inspection Date:	10/06/14	

General Property Description (Significant Land scape Features, Topography, Cover, Etc.,): Field inspectors did not access this private property. The property is bound on the north by Parcel No. 014-720-001-00, to the west by Highway M-26, to the south by Parcel No. 014-720-003-70, and to the east by Torch Lake. The property includes a private beach located along the shoreline of Torch Lake. The topography of the property appears to be flat, sloping to the east towards the shoreline. The ground surface is well-vegetated and maintained. The structures on the property include a residential home, a garage, and several out buildings. No historic or mining era features were observed on the property during the inspection.

Check as Appropriate: Provide Written Description Including Condition, Content, and Similar Material Properties:			Provide Written Description Including Condition, Content, and Similar Material Properties:	Document as Applicable:					
Potential Chemical or Physical Hazards	✓	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes	
Suspect ACM		Latitude:							
Residual Process Materials									
Potentially Abandoned Containers									
Soil Staining/Stressed Vegetation		Longitude:							
Potential PCB or Mercury Containing Equipment									
Other:									
Suspect ACM		Latitude:							
Residual Process Materials									
Potentially Abandoned Containers								The same of the sa	
Soil Staining/Stressed Vegetation		Longitude:							
Potential PCB or Mercury Containing Equipment					Life .	بالقي			
Other:									
Suspect ACM		Latitude:							
Residual Process Materials						the state of the			
Potentially Abandoned Containers					26-			A III	
Soil Staining/Stressed Vegetation		Longitude:			HE FOR		The state of the s		
Potential PCB or Mercury Containing Equipment					1.4				
, 5 , 1									
Other:									
Suspect ACM		Latitude:						Pro Caraca Carac	
Residual Process Materials									
Potentially Abandoned Containers									
Soil Staining/Stressed Vegetation		Longitude:			View I	ooking east at th	e subject property.		
Potential PCB or Mercury Containing Equipment									
Other:									
Suspect ACM		Latitude:							
Residual Process Materials									
Potentially Abandoned Containers									
Soil Staining/Stressed Vegetation		Longitude:							
Potential PCB or Mercury Containing Equipment									
Other:									
Suspect ACM		Latitude:							
Residual Process Materials									
Potentially Abandoned Containers									
Soil Staining/Stressed Vegetation		Longitude:							
Potential PCB or Mercury Containing Equipment									
. 5 , ,									
Other:									

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Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs Abandoned Mining Wastes - Torch Lake Non-Superfund Site Calumet and Hecla - Lake Linden Operations

Geographic Area:	Hubbell Coal Dock Area
Property (Common Name):	Residential - Kiley
Property Identification Number:	014-720-003-70
Inspection Date:	10/06/14

General Property Description (Significant Land scape Features, Topography, Cover, Etc.,): Field inspectors did not access this private property. The property is bound on the north by Parcel No. 014-720-002-00, to the west by Highway M-26, to the south by Parcel No. 014-720-003-60, and to the east by Torch Lake. The property includes a private beach located along the shoreline of Torch Lake. The topography of the property appears to be flat, sloping to the east towards the shoreline. The ground surface is well-vegetated and maintained. The structures on the property include a residential home and a garage. No historic or mining era features were observed on the property during the inspection.

Check as Appropriate: Provide Written Description Including Condition, Content, and Similar Material Properties:			Provide Written Description Including Condition, Content, and Similar Material Properties:	Document as Applicable:						
Potential Chemical or Physical Hazards	✓	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes		
Suspect ACM		Latitude:								
Residual Process Materials										
Potentially Abandoned Containers										
Soil Staining/Stressed Vegetation		Longitude:								
Potential PCB or Mercury Containing Equipment										
Other:										
Suspect ACM		Latitude:								
Residual Process Materials										
Potentially Abandoned Containers										
Soil Staining/Stressed Vegetation		Longitude:				The North				
Potential PCB or Mercury Containing Equipment						1 II				
Other:		1								
Suspect ACM		Latitude:								
Residual Process Materials										
Potentially Abandoned Containers								A CONTRACTOR OF THE CONTRACTOR		
Soil Staining/Stressed Vegetation		Longitude:								
Potential PCB or Mercury Containing Equipment										
		_						and the second second		
Other:										
Suspect ACM		Latitude:				or Principle State				
Residual Process Materials										
Potentially Abandoned Containers										
Soil Staining/Stressed Vegetation		Longitude:			View I	ooking east at th	e subject property.			
Potential PCB or Mercury Containing Equipment						1				
Other:										
Suspect ACM		Latitude:								
Residual Process Materials		_								
Potentially Abandoned Containers										
Soil Staining/Stressed Vegetation		Longitude:								
Potential PCB or Mercury Containing Equipment										
Other:		Latitudo								
Suspect ACM		Latitude:								
Residual Process Materials										
Potentially Abandoned Containers		Longitudo								
Soil Staining/Stressed Vegetation		Longitude:								
Potential PCB or Mercury Containing Equipment										
Other:										

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Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs Abandoned Mining Wastes - Torch Lake Non-Superfund Site Calumet and Hecla - Lake Linden Operations

Geographic Area:	Hubbell Coal Dock Area
Property (Common Name):	Residential - Lavergne
Property Identification Number:	014-720-003-60
nspection Date:	10/06/14

General Property Description (Significant Land scape Features, Topography, Cover, Etc.,): The property is bound on the north by Parcel No. 014-720-003-70, to the west by Highway M-26, to the south by Parcel No. 014-720-003-00, and to the east by Torch Lake. The property includes a private beach located along the shoreline of Torch Lake. The topography of the property appears to be flat, sloping to the east towards the shoreline. The ground surface is well-vegetated and maintained. The structures on the property include a residential home, a garage, and a rental home. A commercial business is located on the property. No historic or mining era features were observed on the property during the inspection.

Check as Appropriate: Provide Written Description Including Condition, Content, and Similar Material Properties:			Document as Applicable:							
Potential Chemical or Physical Hazards	✓	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes		
Suspect ACM		Latitude:								
Residual Process Materials										
Potentially Abandoned Containers										
Soil Staining/Stressed Vegetation		Longitude:								
Potential PCB or Mercury Containing Equipment										
Other:										
Suspect ACM		Latitude:								
Residual Process Materials						65 ill				
otentially Abandoned Containers							4			
Soil Staining/Stressed Vegetation		Longitude:				200				
Potential PCB or Mercury Containing Equipment										
Other:										
Suspect ACM		Latitude:								
Residual Process Materials										
Potentially Abandoned Containers										
Soil Staining/Stressed Vegetation		Longitude:								
Potential PCB or Mercury Containing Equipment						-				
Other:										
Suspect ACM		Latitude:			7.00	The state of the s				
Residual Process Materials										
Potentially Abandoned Containers										
Soil Staining/Stressed Vegetation		Longitude:			View	View looking southeast a the shoreline of the subject property.				
Potential PCB or Mercury Containing Equipment		_								
Other:										
Suspect ACM		Latitude:								
Residual Process Materials		7								
Potentially Abandoned Containers		7								
Soil Staining/Stressed Vegetation		Longitude:								
Potential PCB or Mercury Containing Equipment										
Other:										
Suspect ACM		Latitude:								
Residual Process Materials										
Potentially Abandoned Containers										
Soil Staining/Stressed Vegetation		Longitude:								
Potential PCB or Mercury Containing Equipment										
Oth are										
Other:										

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Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs Abandoned Mining Wastes - Torch Lake Non-Superfund Site Calumet and Hecla - Lake Linden Operations

Geographic Area:	Hubbell Coal Dock Area
Property (Common Name):	Residential - Black
Property Identification Number:	014-720-003-00 and 014-720-003-00
Inspection Date:	10/06/14

General Property Description (Significant Land scape Features, Topography, Cover, Etc.,): Field inspectors did not access this private property. The property includes two parcels that extend from Highway M-26 to Lighthouse Point. The western parcel is bound on the north by Parcel No. 014-720-003-60, to the west by Highway M-26, to the south by Parcel No. 014-720-003-50, and to the east by Parcel No. 014-720-003-00. The eastern parcel makes up Light House Point and extends south into Torch Lake. The property includes private beaches, boat mooring locations, and rip rap along the north/east side of Light House Point. The topography of the property appears to be flat, sloping to the east towards the shoreline. The ground surface appears to be well-vegetated and maintained. There are multiple structures on the property including, several residential homes, garages, and multiple out buildings. No historic or mining era features were observed on the property during the inspection.

Check as Appropriate:	Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:	Document as Applicable:				
Potential Chemical or Physical Hazards	✓ Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes
Suspect ACM	Latitude:						
Residual Process Materials							
Potentially Abandoned Containers							
Soil Staining/Stressed Vegetation	Longitude:						
Potential PCB or Mercury Containing Equipment							
Other:							
Suspect ACM	Latitude:						
Residual Process Materials							
Potentially Abandoned Containers							
Soil Staining/Stressed Vegetation	Longitude:						
Potential PCB or Mercury Containing Equipment							
Other:							
Suspect ACM	Latitude:						
Residual Process Materials							
Potentially Abandoned Containers					A Service		The state of the s
Soil Staining/Stressed Vegetation	Longitude:						
Potential PCB or Mercury Containing Equipment						V - 20	A Committee of the Comm
Other:				2 Tab			
Suspect ACM	Latitude:						
Residual Process Materials				144 - 1	The same of		
Potentially Abandoned Containers	I andituda.						
Soil Staining/Stressed Vegetation	Longitude:			View loc	oking east at the	e subject property.	
Potential PCB or Mercury Containing Equipment							
Other:							
Suspect ACM	Latitude:						
Residual Process Materials							
Potentially Abandoned Containers							
Soil Staining/Stressed Vegetation	Longitude:						
Potential PCB or Mercury Containing Equipment							
Other:							
Suspect ACM	Latitude:						
Residual Process Materials							
Potentially Abandoned Containers							
Soil Staining/Stressed Vegetation	Longitude:						
Potential PCB or Mercury Containing Equipment							
Other:							

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Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs Abandoned Mining Wastes - Torch Lake Non-Superfund Site Calumet and Hecla - Lake Linden Operations

Geographic Area:	Hubbell Coal Dock Area				
Property (Common Name):	Residential - Centerline Apartments				
Property Identification Number:	014-720-003-50				
Inspection Date:	10/06/14				

General Property Description (Significant Land scape Features, Topography, Cover, Etc.,): The property is bound on the north by Parcel No. 014-720-003-00, to the west by Highway M-26, to the south by Parcel No. 014-307-001-25, and to the east/southeast by Torch Lake. The southern property line is fenced. The property includes a private beach located along the shoreline of Torch Lake. The topography of the property appears to be flat, sloping to the east towards the shoreline. The ground surface is well-vegetated and maintained. The structures on the property include two multi-story apartment buildings and parking areas for approximately 46 vehicles. There is one out-building and a children's play area located in the eastern portion of the property. No historic or mining era features were observed on the property during the inspection.

Check as Appropriate:		Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:	Document as Applicable:						
Potential Chemical or Physical Hazards	✓	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes		
Suspect ACM		Latitude:								
Residual Process Materials										
Potentially Abandoned Containers										
Soil Staining/Stressed Vegetation		Longitude:								
Potential PCB or Mercury Containing Equipment										
Other:										
Suspect ACM		Latitude:								
Residual Process Materials								W. E		
Potentially Abandoned Containers										
Soil Staining/Stressed Vegetation		Longitude:								
Potential PCB or Mercury Containing Equipment							. La			
Other:										
Suspect ACM		Latitude:			86.	21				
Residual Process Materials						1				
Potentially Abandoned Containers						Musey	And Washington			
Soil Staining/Stressed Vegetation		Longitude:								
Potential PCB or Mercury Containing Equipment						ASTATASTA		A LANGE OF THE PARTY OF THE PAR		
, 5 1 1										
Other:										
Suspect ACM		Latitude:								
Residual Process Materials							and the second second			
Potentially Abandoned Containers							ng east at the subject property.			
Soil Staining/Stressed Vegetation		Longitude:			View					
Potential PCB or Mercury Containing Equipment						, ,	, , , , I			
Other:										
Suspect ACM		Latitude:								
Residual Process Materials										
Potentially Abandoned Containers										
Soil Staining/Stressed Vegetation		Longitude:								
Potential PCB or Mercury Containing Equipment										
Other:										
Suspect ACM		Latitude:								
Residual Process Materials										
Potentially Abandoned Containers										
Soil Staining/Stressed Vegetation		Longitude:								
Potential PCB or Mercury Containing Equipment										
Other:										

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Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs Abandoned Mining Wastes - Torch Lake Non-Superfund Site Calumet and Hecla - Lake Linden Operations

 Geographic Area:
 Hubbell Coal Dock Area

 Property (Common Name):
 Coal Dock Property

 Property Identification Number:
 014-307-001-25

General Property Description (Significant Land scape Features, Topography, Cover, Etc.,): The property is located adjacent to and directly north of the Mineral Building Property. The property is bound on the west by Highway M-26 and to the east by Torch Lake. The property is fenced with and open/bermed entry. The western half of the property is generally wooded with a clearing, possibly a former railroad grade, through the middle of the woods. The eastern portion of the woods is characterized by more steeply sloping ridges, while the western half of the wooded area (along the highway) is generally flat. The eastern half of the property is generally flat, and roughly 20 feet lower in elevation than the wooded portion of the parcel. The eastern half of the property features low lying wet areas, characteristic of a wetland in the western portion, along the toe of the ridges in the wooded portion of the property. Closer to the shoreline, the eastern half of the property generally features large areas that are covered by coal. In addition, coal piles up to 20 feet in diameter and 6 feet tall, are also present. The south eastern portion of the property is generally open and flat, gradually sloping towards the lake. The ground surface is littered with debris, building materials, and burnt waste and cinders.

Inspection Date:	10/06/14							
Potential Chemical or Physical Hazards	✓ Location/	/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes
Suspect ACM	✓ Latitude:	: 47° 10'52.877"						
Residual Process Materials								
Potentially Abandoned Containers							the sales of the s	
Soil Staining/Stressed Vegetation	Longitud	de: -88° 24'57.1637"	Debris Pile with metal, tin siding and possible drum carcass	第一字一个字字				
Potential PCB or Mercury Containing Equipment				(中一) 新疆	V KALE			
Other:				are the second	小腿	TO Park		
Suspect ACM	✓ Latitude:	: 47° 10'52.247"		A LAND THE	1.14要用于	e little site	Pertural 2 34	
Residual Process Materials							4.1	Material samples CHLL-ASBBLK07-101414 and CHLL-ASBBLK09-
Potentially Abandoned Containers			SACM-02 - Suspect transite fragments on foundation/slab. Foundation is hollow					101414 were collected from the vicinity of location SACM-02 during targeted inspection activities. Surface soil sample CHLL-SS08-101514 was collected from a soil mound located on the foundation surface.
Soil Staining/Stressed Vegetation	Longitud		underneath, extending approximately 3-4 feet below the foundation surface.	The state of the s	The stands			
Potential PCB or Mercury Containing Equipment							THE RESERVE TO SERVE	
Other:								
Suspect ACM	Latitude:	: 47°10'52.254"		A FEET AND A				
Residual Process Materials	√						ALCOHOLD TO	
Potentially Abandoned Containers				ALLEN WALL		Francis		Material sample CHLL-ASBBLK10-101414 was collected from
Soil Staining/Stressed Vegetation	Longitud	de: -88° 24'56.469"	SACM -03 - Cementitious wall board on building slab/foundation.					the vicinity of location SACM-03 during targeted inspection
Potential PCB or Mercury Containing Equipment				View looking west at building d	ebris on a foundation	on at the north e	nd of the subject property.	activities.
Other:								
Suspect ACM	✓ Latitude:	: 47°.181135990						
Residual Process Materials				A STATE OF THE STA				
Potentially Abandoned Containers				人 () () () () () () () () () (Material sample CHLL-ASBBLK08-101414 was collected from the vicinity of location SACM-04 during targeted inspection activities.
Soil Staining/Stressed Vegetation	Longitud	de: -88°.415712152	SACM-04 - Asphaltic roofing material fragments		Salar Named Park			
Potential PCB or Mercury Containing Equipment							75 -204 - 1	
Other:								
Suspect ACM	Latitude:	: 47° 10'43.914"			特别			
Residual Process Materials				THE RESERVE TO SERVE				
Potentially Abandoned Containers	√		DDI IM 04. Approximately 40 intent dropped on the ground confere and protocoling from the					Soil samples CHLL-SS04-101514, CHLL-SS05-101514, and CHLL-
Soil Staining/Stressed Vegetation	Longitud	de: -88° 25'09.352"	 DRUM-04 - Approximately 10 intact drums on the ground surface and protruding from the hillside. Drums are in varying states of deterioration. 			1		SS06-101514 were collected from the vicinity of location
Potential PCB or Mercury Containing Equipment			Timelac. Braine are in varying states of actorioration.					DRUM-04 during targeted inspection activities.
				1.5				
Other: Suspect ACM	Latitude	: 47° 10'50.237"						
Residual Process Materials	Latitude.	, 10 30.237						
Potentially Abandoned Containers						The same of the sa		
Soil Staining/Stressed Vegetation	Longitud	de: -88° 25'02.667"	DRUM-03 - One drum laying on its side, appears to be empty. Small crushed metal	View looking west at abandoned	d containers on the	subject property	'.	Soil sample CHLL-SS07-101514 was collected from the vicinity
Potential PCB or Mercury Containing Equipment	Longituu	20. 00 23 02.007	container nearby.					of location DRUM-03 during targeted inspection activities.
Totelitial FCB of Mercury Containing Equipment								
Other:								

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Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs Abandoned Mining Wastes - Torch Lake Non-Superfund Site Calumet and Hecla - Lake Linden Operations

Geographic Area:

Property (Common Name):

Coal Dock Property

Property Identification Number:

014-307-001-25

Inspection Date:

10/06/14

General Property Description (Significant Land scape Features, Topography, Cover, Etc.,): The property is located adjacent to and directly north of the Mineral Building Property. The property is bound on the west by Highway M-26 and to the east by Torch Lake. The property is fenced with and open/bermed entry. The western half of the property is generally wooded with a clearing, possibly a former railroad grade, through the middle of the woods. The eastern portion of the woods is characterized by more steeply sloping ridges, while the western half of the wooded area (along the highway) is generally flat. The eastern half of the property, closer to the shoreline is generally flat, and roughly 20 feet lower in elevation than the wooded portion of the parcel. The eastern half of the property features low lying wet areas, characteristic of a wetland in the western portion, along the toe of the ridges in the wooded portion of the property. Closer to the shoreline, the eastern half of the property generally features large areas that are covered by coal. In addition, coal piles up to 20 feet in diameter and 6 feet tall, are also present. The southeastern portion of the property is generally open and flat, gradually sloping towards the lake. The ground surface is littered with debris, building materials, and burnt waste and cinders.

Inspection Date:	10/06/	14						
Potential Chemical or Physical Hazards	✓	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes
Suspect ACM	✓	Latitude: 47° 10'42.934"						
Residual Process Materials]		2027	\$ ¹	no la la		Martarial assessing CHILL ACRES VA 4 104 44 4 CHILL ACRES VA 5
Potentially Abandoned Containers		1	SACM-07 - Debris pile with asphaltic roofing material, transite, and cementitious wall board					Material samples CHLL-ASBBLK14-101414, CHLL-ASBBLK15-101414, CHLL-ASBBLK16-101414, and CHLL-ASBBLK17-101514
Soil Staining/Stressed Vegetation		Longitude: -88° 25'09.302"	material.		All the state of	in the state of		were collected from the vicinity of location SACM-07 during
Potential PCB or Mercury Containing Equipment								targeted inspection activities.
						2.00		
Other:		Latituda, 478 10/40 F30!!			36			
Suspect ACM		Latitude: 47° 10'46.526"				70.5		
Residual Process Materials		_	SACM -06 - Small_canvas/fibrous material				and the second s	Material sevenie CIIII ACRRIVAS 101414 vise cellected from
Potentially Abandoned Containers		1 - n - i t d			Mary Street			Material sample CHLL-ASBBLK18-101414 was collected from the vicinity of location SACM-06 during targeted inspection
Soil Staining/Stressed Vegetation		Longitude: -88° 25'06.886"	SACIVI -00 - Small Carryas/fibrous material		Charles Inches			activities.
Potential PCB or Mercury Containing Equipment								detivities.
Other:							SAME THE SAME	
Suspect ACM		Latitude: 47°10'44.583"		ber de la company				
Residual Process Materials	√	1			*			
Potentially Abandoned Containers		-						Material samples CHLL-ASBBLK11-101414, CHLL-ASBBLK12-
Soil Staining/Stressed Vegetation		Longitude: -88°25'08.442"	SACM-08 - Pile of gray/black fibrous material. Fire brick in the vicinity.	View looking east at roofing ma	terial on the groun	d surface of the s	ubject property.	101414, CHLL-ASBBLK13-101414, CHLL-ASBBLK35-101514, and CHLL-ASBBLK36-101514 were collected from the vicinity of
Potential PCB or Mercury Containing Equipment		1				T	I	location SACM-08 during targeted inspection activities.
		1						The same of the sa
Other:								
Suspect ACM		Latitude: 47°.178977					11-15	
Residual Process Materials	→	_		The second secon	The second second	- 10 to 10 t		
Potentially Abandoned Containers							THE RESERVE AND ADDRESS.	
Soil Staining/Stressed Vegetation		Longitude: -88°.420637	Pile of crushed limestone.	《大學》				
Potential PCB or Mercury Containing Equipment		_		建筑地			The same of the sa	
Other:								
Suspect ACM	√	Latitude: 47°.178769117						
Residual Process Materials		1						
Potentially Abandoned Containers		1						Material sample CHLL-ASBBLK32-101514 was collected from
Soil Staining/Stressed Vegetation		Longitude: -88°.420728732	SACM-09 - Black asphaltic roofing material, tar paper, weathered.			- 1 × 1 ×		the vicinity of location SACM-09 during targeted inspection
Potential PCB or Mercury Containing Equipment		1 -			公司 表			activities.
, , , , ,		1		MARKET AND A COLOR				
Other:								
Suspect ACM	✓	Latitude: 47° 10'40.663"		12	57 W.			
Residual Process Materials				View looking south at roofing m	aterial on the grou	and surface of the	subject property.	
Potentially Abandoned Containers								Material samples CHLL-RPM01-101514, CHLL-RPM02-101514,
Soil Staining/Stressed Vegetation		Longitude: -88° 25'11.396"	SACM-11 - Black wire/cable/pipe wrap and outer sheathing.				PCBs, Asbestos	and, CHLL-RPM03-101514 were collected from the vicinity of
Potential PCB or Mercury Containing Equipment	✓							location SACM-11 during targeted inspection activities.
Other:								

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Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs Abandoned Mining Wastes - Torch Lake Non-Superfund Site Calumet and Hecla - Lake Linden Operations

Geographic Area:	Hubbell Coal Dock Area	
Property (Common Name):	Coal Dock Property	
Property Identification Number:	014-307-001-25	

General Property Description (Significant Land scape Features, Topography, Cover, Etc.,): The property is located adjacent to and directly north of the Mineral Building Property. The property is bound on the west by Highway M-26 and to the east by Torch Lake. The property is fenced with and open/bermed entry. The western half of the property is generally wooded with a clearing, possibly a former railroad grade, through the middle of the woods. The eastern portion of the woods is characterized by more steeply sloping ridges, while the western half of the wooded area (along the highway) is generally flat. The eastern half of the property, closer to the shoreline is generally flat, and roughly 20 feet lower in elevation than the wooded portion of the parcel. The eastern half of the property features low lying wet areas, characteristic of a wetland in the western portion, along the toe of the ridges in the wooded portion of the property. Closer to the shoreline, the eastern half of the property generally features large areas that are covered by coal. In addition, coal piles up to 20 feet in diameter and 6 feet tall, are also present. The southeastern portion of the property is generally open and flat, gradually sloping towards the lake. The ground surface is littered with debris, building materials, and burnt waste and cinders.

Inspection Date:	10/06/14		waste and cinders	5.				
Potential Chemical or Physical Hazards	✓ Location/Coord	inates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes
Suspect ACM	✓ Latitude: 47°	10'42.345"						
Residual Process Materials				780 VIII 1000 VIII 1				
Potentially Abandoned Containers								Material sample CHLL-ASBBLK19-101414 was collected from
Soil Staining/Stressed Vegetation	Longitude: -88	3° 25'08.801"	SACM-12 - Transite fragments on the ground surface					the vicinity of location SACM-12 during targeted inspection
Potential PCB or Mercury Containing Equipment								activities.
Other:						and and		
Suspect ACM	✓ Latitude: 47° 1	10'40.282"			N L			
Residual Process Materials					3 50	1200	N. X.	
Potentially Abandoned Containers		ngitude: -88° 25'09.893" S.				100	The state of	Material samples CHLL-ASBBLK20-101414 and CHLL-ASBBLK21-
Soil Staining/Stressed Vegetation	Longitude: -88		SACM -13- Green and red asphaltic roofing material in a debris pile/demolished structure.					101414 were collected from the vicinity of location SACM-13
Potential PCB or Mercury Containing Equipment								during targeted inspection activities.
Othor								
Other: Suspect ACM	Latitude: 47°1	0'40 132"					De Service	
Residual Process Materials	Editidde: 47 I	0 40.132						
Potentially Abandoned Containers			Electrical switch in debris pile, potentially mercury containing. Labeled "Delco GM 1957725 2625, Delco Remey"			- A		
Soil Staining/Stressed Vegetation	Longitude: -8					i ant management		
Potential PCB or Mercury Containing Equipment	✓ Zongitude: o			View looking east/down at a del	oris plie on the sub	ject property.		
r otericar i eb or iviereary containing Equipment								
Other:								
Suspect ACM	✓ Latitude: 47° 1	10'38.878"			A. C.			
Residual Process Materials			SACM-14 - Black fibrous wire/cable insulating material.			- X-		
Potentially Abandoned Containers								
Soil Staining/Stressed Vegetation	Longitude: -8	38° 25'11.257"						
Potential PCB or Mercury Containing Equipment							4 M M	
Other:								
Suspect ACM	Latitude: 47° 1	10'38.501"					L. T.	
Residual Process Materials								The collection of a material sample from the deteriorated
Potentially Abandoned Containers	√		DRIM 05 Pusted deteriorating 55 gallen drum contents are hardened block material	and the second				drum was attempted during the targeted inspection activities;
Soil Staining/Stressed Vegetation	Longitude: -8	38° 25'10.035"	DRUM-05 - Rusted, deteriorating 55 gallon drum, contents are hardened black material.					however, the drum contents were too dense to effectively
Potential PCB or Mercury Containing Equipment								collect a sample.
Other:				12				
Suspect ACM	Latitude: 47° 1	10'38.563"		Ex Was				
Residual Process Materials								
Potentially Abandoned Containers	✓							
Soil Staining/Stressed Vegetation	Longitude: -8	38° 25'09.300"	DRUM-06 - Rusted, drum carcass	View looking south at an aband	doned container on	the subject pro	perty.	
Potential PCB or Mercury Containing Equipment					1 22 22 23 23 20 20	,,	,	
Other:								

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Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs **Abandoned Mining Wastes - Torch Lake Non-Superfund Site** Calumet and Hecla - Lake Linden Operations

Geographic Area:	Hubbell Coal Dock Area	
Property (Common Name):	Coal Dock Property	
Property Identification Number:	014-307-001-25	
Inspection Date:	10/06/14	

Inspection Date:

General Property Description (Significant Land scape Features, Topography, Cover, Etc.,): The property is located adjacent to and directly north of the Mineral Building Property. The property is bound on the west by Highway M-26 and to the east by Torch Lake. The property is fenced with and open/bermed entry. The western half of the property is generally wooded with a clearing, possibly a former railroad grade, through the middle of the woods. The eastern portion of the woods is characterized by more steeply sloping ridges, while the western half of the wooded area (along the highway) is generally flat. The eastern half of the property, closer to the shoreline is generally flat, and roughly 20 feet lower in elevation than the wooded portion of the parcel. The eastern half of the property features low lying wet areas, characteristic of a wetland in the western portion, along the toe of the ridges in the wooded portion of the property. Closer to the shoreline, the eastern half of the property generally features large areas that are covered by coal. In addition, coal piles up to 20 feet in diameter and 6 feet tall, are also present. The southeastern portion of the property is generally open and flat, gradually sloping towards the lake. The ground surface is littered with debris, building materials, and burnt waste and cinders.

Potential Chemical or Physical Hazards	✓	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes
Suspect ACM	✓	Latitude: 47°.177445620						
Residual Process Materials		_						
Potentially Abandoned Containers			SACM-15 - Black asphaltic roofing material. Potential PCB/asbestos contaminated		2000年3月			Material sample CHLL-ASBBLK24-101414 and surface soil
Soil Staining/Stressed Vegetation		Longitude: -88°.418916013	wire/cable wrap nearby.			The second second	200	sample CHLL-SS09-101514 were collected from the vicinity of
Potential PCB or Mercury Containing Equipment	✓				10.547	1.76		location SACM-15 during targeted inspection activities.
Other:						Make		
Suspect ACM		Latitude:				4		
Residual Process Materials					A CONTRACTOR			
Potentially Abandoned Containers								
Soil Staining/Stressed Vegetation		Longitude:						
Potential PCB or Mercury Containing Equipment						N MEGA		
Other:					Z- }			
Suspect ACM		Latitude:						
Residual Process Materials						in.	WATER THE SE	
Potentially Abandoned Containers					A CARL	A APPROX		
Soil Staining/Stressed Vegetation		Longitude:		View looking down at debris o	n the ground curfee	a at the subject of	aranarty.	
Potential PCB or Mercury Containing Equipment				View looking down at debris o	n the ground surfac	e at the subject p	property.	
Other:								
Suspect ACM		Latitude:						
Residual Process Materials		4						
Potentially Abandoned Containers		Longitudo	_					
Soil Staining/Stressed Vegetation		Longitude:						
Potential PCB or Mercury Containing Equipment		-						
Other:								
Suspect ACM		Latitude:						
Residual Process Materials		7						
Potentially Abandoned Containers								
Soil Staining/Stressed Vegetation		Longitude:						
Potential PCB or Mercury Containing Equipment								
Other:		Lattenda						
Suspect ACM		Latitude:						
Residual Process Materials								
Potentially Abandoned Containers		1 21 1 -						
Soil Staining/Stressed Vegetation		Longitude:						
Potential PCB or Mercury Containing Equipment								
Other:								

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Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs Abandoned Mining Wastes - Torch Lake Non-Superfund Site Calumet and Hecla - Lake Linden Operations

Geographic Area:	Hubbell Coal Dock Area
Property (Common Name):	Mineral Building
Property Identification Number:	014-307-001-75

10/07/14

Inspection Date:

General Property Description (Significant Land scape Features, Topography, Cover, Etc.,): The property is bound on the west by Highway M-26 and to the east by Torch Lake. The property is located adjacent to and south of the Coal Dock Property and north of the smelter property. The property is fenced with and open/bermed entry on the adjacent property to the north. There is large structure, the former C&H Mineral Building located on the west side of the property. The building is unsecured and is in a deteriorated condition, Structurally, the building is standing, windows and doors are generally closed, but large holes are visible in the roof. A large masonry stack was toppled and lies on the south side of the Mineral Building. There is a small masonry building to the east of the Mineral Building that is generally in good condition, although patches of roofing material are missing. The remainder of the property to the east is generally open and flat, gradually sloping towards the lake. The ground surface around the Mineral Building is littered with debris, roofing material, and roughly 30 large debris piles. The contents of the debris piles vary from concrete, asphalt, building materials, and burnt waste and cinders.

Check as Appropriate:		Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:	Document as Applicable:						
Potential Chemical or Physical Hazards	✓	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes		
Suspect ACM	✓	Latitude: 47° 10'37.960"								
Residual Process Materials		1								
Potentially Abandoned Containers		1								
Soil Staining/Stressed Vegetation		Longitude: 88° 25'21.825"	SACM -16 - Transite fragments and black asphaltic roofing material fragments			OF BURE	1117.			
Potential PCB or Mercury Containing Equipment		7								
		7			THE RESERVE	-				
Other:					LYLL	42.5	-2-11			
Suspect ACM	√	Latitude: 47° 10'37.960"		The state of the s		The Control				
Residual Process Materials		_			ALC: N			Material samples CHLL-ASBBLK28-101514, CHLL-ASBBLK29-		
Potentially Abandoned Containers			OACM 47 One-than stock date is manufactured fine briefs	400		严重人公		101514, CHLL-ASBBLK30-101514, and CHLL-ASBBLK31-101514		
Soil Staining/Stressed Vegetation		Longitude: 88° 25'21.825"	SACM -17 - Smelter stack debris, mortar, and fire brick	ale Lya-Ro.	· · ·			were collected from the vicinity of location SACM-17 during		
Potential PCB or Mercury Containing Equipment					学 会,全生和			targeted inspection activities.		
Other:										
Suspect ACM		Latitude: 47° 6'37.379"								
Residual Process Materials	✓	1				100				
Potentially Abandoned Containers		1				and the second		Material sample CHLL-RPM04-101514 was collected from the		
Soil Staining/Stressed Vegetation		Longitude: 88° 25'22.809"	Stack sludge - Fine grained sludge that appears to be leaching/eroding from the stack debris. The material is accumulating in muddy pools around the demolished smelter stack.	View looking east at stack debi	ris on the ground su	urfaco at the cub	iact property	vicinity of location "Stack Sludge" during targeted inspection		
Potential PCB or Mercury Containing Equipment		1	debris. The material is accumulating in muddy pools around the demolished smeller stack.	view looking east at stack debi	is on the ground st	irrace at the sub	ject property.	activities.		
		1								
Other:										
Suspect ACM	✓	Latitude: 47.177151795					<u> </u>			
Residual Process Materials		_			ASSA					
Potentially Abandoned Containers			SACM -18 - Fibrous insulating material between the metal exterior and the interior brick					Material sample CHLL-ASBBLK27-101514 was collected from the vicinity of location SACM-18 during targeted inspection		
Soil Staining/Stressed Vegetation		Longitude: -88.422471649	lining of a stack component.		The state of the s					
Potential PCB or Mercury Containing Equipment			ming of a stack compension.	THE T	MA			activities.		
Other:					17 76					
Suspect ACM		Latitude: 47° 10'37.960"								
Residual Process Materials		†				THE STATE OF				
Potentially Abandoned Containers	✓	†		HIMM	1//	1 4 5				
Soil Staining/Stressed Vegetation		Longitude: 88° 25'21.825"	Rusted empty 55-gallon drum							
Potential PCB or Mercury Containing Equipment		1			77/1	CILE				
		1								
Other:					16/1					
Suspect ACM		Latitude: 47° 10'37.960"			YV	9 4 7	-			
Residual Process Materials										
Potentially Abandoned Containers	✓			View looking east at insulating	100 and 600 mg 250 mg 100 and	cture at the cubi	ect property			
Soil Staining/Stressed Vegetation		Longitude: 88° 25'21.825"	Crushed 55-gallon drum carcass. An empty blue poly-drum also in the vicinity.	view looking cast at insulating	, material on a stru	The subject of the su	cat property.			
Potential PCB or Mercury Containing Equipment										
Other:										

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Draft Site Investigation Report - Appendix D
SITE INSPECTIONS - RECONNAISSANCE LOGS

Weston Solutions of Michigan, Inc.

Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs Abandoned Mining Wastes - Torch Lake Non-Superfund Site Calumet and Hecla - Lake Linden Operations

 Geographic Area:
 Hubbell Processing Area

 Property (Common Name):
 Koppers - Smelter Property -MSL Development

 Property Identification Number:
 014-307-001-50

General Property Description (Significant Land scape Features, Topography, Cover, Etc.,): The property is bound on the north by Parcel No. 014-307-001-75, to the west by Highway M-26, to the south by a privately owned parcel, and to the east by Torch Lake. The southern property is fenced and is the location of an operating industrial facility that manufactures wood preservation chemicals. The property includes approximately 1,600 feet of shoreline along Torch Lake. There are multiple buildings located on the property used for storage, chemical production, and shipping. Some of the buildings are refurbished mining era structures. In addition, mining era building foundations and floors are visible east/northeast portion of the property, near the fence line. The topography at the property is generally flat and sloping towards Torch Lake. The ground surface at the property is generally covered with gravel on the interior of the fence line and vegetated outside of the fence line. There are visible slag outcrops in the western portion of the property. An area of capped and vegetated land is present along the shoreline and is approximately 150-170 feet wide. With the exception of the buildings and slag deposits on the property, no other, historic or mining era features were observed on the property during the inspection.

Inspection Date:	08/19	/14 and 07/01/15	approximately 15 inspection.	0-170 feet wide. With the exception o	170 feet wide. With the exception of the buildings and slag deposits on the property, no other, historic or mining era features were observed on the property during the					
Check as Appropriate:		Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:							
Potential Chemical or Physical Hazards	✓	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes		
Suspect ACM		Latitude: 47.174503653								
Residual Process Materials		1		ALC: NO COMPANY			第 次 美国			
Potentially Abandoned Containers	✓		SUBMEDCED DRUM. An intest submarged drum absented in approximately 1 feet of	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1.50	· 第4	SUMMEN "	Drum sampling location CHLL-DM04 is representative of		
Soil Staining/Stressed Vegetation		Longitude: -88.422700892	SUBMERGED DRUM - An intact submerged drum observed in approximately 1 foot of water	Marie Villa				the contents of the submerged drum identified during		
Potential PCB or Mercury Containing Equipment			maio.	SOLL STREET			THE RESERVE TO SERVE	reconnaissance activities.		
						THE PERSON NAMED IN	第17年 第73			
Other:		17.47.450404			100					
Suspect ACM		Latitude: 47.17453134								
Residual Process Materials		4				The said				
Potentially Abandoned Containers	 	00.400044070	SUBMERGED DRUM CONTENTS - A drum carcass containing black solid material			L. Tules	2 2 2 2	Drum sampling location CHLL-DM03 is representative of		
Soil Staining/Stressed Vegetation		Longitude: -88.422641972	observed in approximately 1 foot of water					the contents of the submerged drum identified during reconnaissance activities.		
Potential PCB or Mercury Containing Equipment		4		ff)	-60					
Other:										
Suspect ACM		Latitude: 47.174452769		II.						
Residual Process Materials		-								
Potentially Abandoned Containers	✓	-						Surface soil location CHLL-SS14-0-6" is representative of		
Soil Staining/Stressed Vegetation		Longitude: -88.422872653	 DRUMS - Two submerged drums observed in approximately 1 foot of water. One drum observed protruding from the shoreline. 					environmental conditions in the vicinity of the		
Potential PCB or Mercury Containing Equipment			observed protrading from the shoreline.	View looking west at a	drum observed pro	otruding from a d	apped area along the	reconnaissance location.		
				shoreline of the Subject	t Property.					
Other:										
Suspect ACM		Latitude: 47.174373113				All Till				
Residual Process Materials			SUBMERGED DRUM - An intact submerged drum observed in approximately 1 foot of	1						
Potentially Abandoned Containers	✓					Ai -		Surface soil location CHLL-SS15-0-6" is representative of		
Soil Staining/Stressed Vegetation		Longitude: -88.42312259	water	The state of the s			1 least	environmental conditions in the vicinity of the reconnaissance location.		
Potential PCB or Mercury Containing Equipment				A STATE OF THE STA			The same of the sa			
Othory										
Other: Suspect ACM		Latitude:				and the	PEZ Z			
Residual Process Materials		+		100	1000		P. S. A.			
Potentially Abandoned Containers		-								
Soil Staining/Stressed Vegetation		Longitude:					A TOTA			
Potential PCB or Mercury Containing Equipment		~			- A A					
		1		Section 1						
Other:						1 2 x	A 100 C			
Suspect ACM		Latitude:		1000		B				
Residual Process Materials				I had to						
Potentially Abandoned Containers					* 12-16-12-	THE THE PARTY OF T				
Soil Staining/Stressed Vegetation		Longitude:		View looking east at a	submerged drum a	and debris locate	d along the shoreline			
Potential PCB or Mercury Containing Equipment				of the Subject Property	y .					
Other:										

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Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs Abandoned Mining Wastes - Torch Lake Non-Superfund Site Calumet and Hecla - Lake Linden Operations

Geographic Area:	Hubbell Beach and Slag Dump Area
Property (Common Name):	Slag Dump/Silver Shores Enterprise, Inc.
Property Identification Number:	Unknown
Inspection Date:	10/07/14

General Property Description (Significant Land scape Features, Topography, Cover, Etc.,): The property is generally bound on the west by B Avenue and to the east by Torch Lake. The property is located adjacent to and south of the former smelter property and north of several similar capped properties. The property is fenced along the west boundary with a gated entry. There are no historical structures present on the property. A culvert in the southwest corner of the property emanates from a point west of the property boundary and discharges to a narrow ditch. The ditch continues south onto the adjacent property. The property is generally flat with a gentle slope toward Torch Lake. The property is characterized as a capped and vegetated portion of the Torch Lake Superfund Site. The material underlying the cap is primarily composed of slag waste generated by the adjacent smelter facility. Areas of the cap along the shoreline of Torch Lake have been flooded due to elevated lake levels. Cap erosion along the shoreline is not significant.

nspection Date:	10/07	/14								
heck as Appropriate:		Record Field Measurements: Provide Written Description Including Condition, Content, and Similar Material Properties:				Document as Applicable:				
Potential Chemical or Physical Hazards	✓	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes		
uspect ACM		Latitude:								
esidual Process Materials										
otentially Abandoned Containers										
oil Staining/Stressed Vegetation		Longitude:								
Potential PCB or Mercury Containing Equipment		1								
		1								
Other:								A NO. ALCOHOL AND ADDRESS OF THE PARTY OF TH		
uspect ACM		Latitude:			NAME OF TAXABLE PARTY.	NAME OF STREET				
esidual Process Materials							N. A.			
otentially Abandoned Containers										
Soil Staining/Stressed Vegetation		Longitude:				16 + Fe 10 C - C	W. W.			
Potential PCB or Mercury Containing Equipment										
Othor					2		江 其秦十一年 1			
Other: Suspect ACM		Latitude:								
Residual Process Materials										
otentially Abandoned Containers		+			786	1.4				
oil Staining/Stressed Vegetation		Longitude:				**	The state of the s			
Potential PCB or Mercury Containing Equipment					3.00					
otential report interest y containing Equipment		-			Vio	u looking oost at t	no cannod charolina of the subject	property		
Other:					Viev	v lookilig east at t	he capped shoreline of the subject	property.		
uspect ACM		Latitude:						·		
esidual Process Materials										
otentially Abandoned Containers										
oil Staining/Stressed Vegetation		Longitude:				7.5				
Potential PCB or Mercury Containing Equipment					120	A STATE OF THE STA		A CONTRACTOR OF THE STATE OF TH		
								1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Other:		l atituda.								
uspect ACM		Latitude:								
esidual Process Materials		-			and the second		一个。			
otentially Abandoned Containers		Longitude:			1	the later	The state of the s	V		
Soil Staining/Stressed Vegetation		Longitude.								
Potential PCB or Mercury Containing Equipment		-			Sec.					
Other:							Prints.			
uspect ACM		Latitude:								
esidual Process Materials							With the State of the State of			
otentially Abandoned Containers							到于中国的特殊的原理			
oil Staining/Stressed Vegetation		Longitude:			Vie	w looking northea	st at the shoreline of the subject p	roperty.		
Potential PCB or Mercury Containing Equipment										
Other:										

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Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs Abandoned Mining Wastes - Torch Lake Non-Superfund Site Calumet and Hecla - Lake Linden Operations

Geographic Area:	Hubbell Beach and Slag Dump Area
Property (Common Name):	Slag Dump - Marcotte
Property Identification Number:	014-409-002-00
nspection Date:	10/07/14

General Property Description (Significant Land scape Features, Topography, Cover, Etc.,): The property is bound on the west by B Avenue and a small area of commercial development and to the east by Torch Lake. The property is located between several capped properties south of the former smelter property. The property is fenced along the west boundary with a gated entry. There are no historical structures present on the property. A ditch crosses onto the property along the north-central property boundary. The ditch flows into a small wetland area and ultimately south/southeast where it discharges to Torch Lake. The property is gently sloped inward from the property boundaries towards the ditch and then east to Torch Lake. The property is characterized as a capped and vegetated portion of the Torch Lake Superfund Site. The material underlying the cap is primarily composed of slag waste generated by the nearby smelter facility. Significant cap erosion along the shoreline was not observed.

Inspection Date:	10/07	/14							
Check as Appropriate: Provide Written Description Including Condition, Content, and Similar Material Properties:			Provide Written Description Including Condition, Content, and Similar Material Properties:	Document as Applicable:					
Potential Chemical or Physical Hazards	✓	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes	
Suspect ACM		Latitude: 47°.173560211							
Residual Process Materials		7							
Potentially Abandoned Containers	✓	7			Maria Maria	-			
Soil Staining/Stressed Vegetation		Longitude: -88°.426364019	Drum Carcass - Steel, crushed 55-gallon drum lying in a rip rap lined drainage ditch.			6.754 20%.			
Potential PCB or Mercury Containing Equipment									
		7				Mahama W.			
Other:		1 1 470 472 640 725			E 14				
Suspect ACM		Latitude: 47°.173610735							
Residual Process Materials		4					3 4 4	The second limited with the se	
Potentially Abandoned Containers	→		Empty Drum Stool 55 gallon no lid intact ampty lying on its side in standing water				ar-colle-banks of the		
Soil Staining/Stressed Vegetation		Longitude: -88°.425972857	Empty Drum - Steel, 55-gallon, no lid, intact, empty, lying on its side in standing water.			SE ALIEN			
Potential PCB or Mercury Containing Equipment					24				
Other:									
Suspect ACM		Latitude:					A STATE OF THE STA	MARKET STATE OF	
Residual Process Materials		7							
Potentially Abandoned Containers		1							
Soil Staining/Stressed Vegetation		Longitude:					437年。李明成立		
Potential PCB or Mercury Containing Equipment		7			View I	noking north at t	the shoreline of the subject prope	rtv	
		7			l view i				
Other:									
Suspect ACM		Latitude:						The second secon	
Residual Process Materials		_							
Potentially Abandoned Containers					1 31				
Soil Staining/Stressed Vegetation		Longitude:			1				
Potential PCB or Mercury Containing Equipment		_			1/2	1.7			
Other:						2.57			
Suspect ACM		Latitude:			1				
Residual Process Materials		†			1	学人			
Potentially Abandoned Containers		†							
Soil Staining/Stressed Vegetation		Longitude:			1.00 %	12/10			
Potential PCB or Mercury Containing Equipment		1							
, , , , ,		1				11/1/12			
Other:									
Suspect ACM		Latitude:					10 May 10		
Residual Process Materials					730	12			
Potentially Abandoned Containers					View	ooking southwa	st at an abandoned container loca	ited on the subject property	
Soil Staining/Stressed Vegetation		Longitude:			VIEW	JOKING JOULINE	st at an abandoned container loca	nea on the subject property.	
Potential PCB or Mercury Containing Equipment									
Othory									
Other:									

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Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs

Abandoned Mining Wastes - Torch Lake Non-Superfund Site Calumet and Hecla - Lake Linden Operations

Geographic Area:	Hubbell Beach and Slag Dump Area	General Property Description (Significant Land scape Features, Topography, Cover, Etc.,): The property is bound on the west by B Avenue and a small area of commercial development and to the east by Torch Lake. The property is located between several capped properties south of the former smelter property. The property is fenced along the west boundary with a gated entry.
Property (Common Name):	Slag Dump - Schmitt	There are no historical structures present on the property. The property is sloped to the northeast toward Torch Lake. The property is characterized as a capped and vegetated portion of the Torch Lake Superfund Site. The material underlying the cap is primarily composed of slag waste generated by the nearby smelter facility. Some cap erosion was observed along the
Property Identification Number:	014-409-001-50	east/north shoreline exposing the underlying slag deposit.
Inspection Date:	10/07/14	

Check as Appropriate:	Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:				Document as Applicable:				
Potential Chemical or Physical Hazards	✓ Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes			
Suspect ACM	Latitude:									
Residual Process Materials										
Potentially Abandoned Containers										
Soil Staining/Stressed Vegetation	Longitude:									
Potential PCB or Mercury Containing Equipment										
Other:										
Suspect ACM	Latitude:									
Residual Process Materials										
Potentially Abandoned Containers										
Soil Staining/Stressed Vegetation	Longitude:									
Potential PCB or Mercury Containing Equipment						7				
Other:										
Suspect ACM	Latitude:					1				
Residual Process Materials					-					
Potentially Abandoned Containers						THE STREET, ST				
Soil Staining/Stressed Vegetation	Longitude:									
Potential PCB or Mercury Containing Equipment										
Other:	Latitude.			1145	00	Company of the second s				
Suspect ACM	Latitude:			, mr. AL	46					
Residual Process Materials				1 44 6 1						
Potentially Abandoned Containers	Longitudo				7	We a Management				
Soil Staining/Stressed Vegetation	Longitude:			View lo	View looking southeast at the shoreline of the subject property.					
Potential PCB or Mercury Containing Equipment					T	7 .	· ,			
Other:										
Suspect ACM	Latitude:									
Residual Process Materials										
Potentially Abandoned Containers										
Soil Staining/Stressed Vegetation	Longitude:									
Potential PCB or Mercury Containing Equipment										
Other:										
Suspect ACM	Latitude:									
Residual Process Materials										
Potentially Abandoned Containers										
Soil Staining/Stressed Vegetation	Longitude:									
Potential PCB or Mercury Containing Equipment										
Othor										
Other:										

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Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs Abandoned Mining Wastes - Torch Lake Non-Superfund Site Calumet and Hecla - Lake Linden Operations

Geographic Area:	Hubbell Beach and Slag Dump Area
Property (Common Name):	Slag Dump/Township Dump - Dube
Property Identification Number:	014-408-003-00 and 014-410-001-10

General Property Description (Significant Land scape Features, Topography, Cover, Etc.,): The property is generally bound on the west by B Avenue and Guck Street. The property is bound to the south by property owned by Torch Lake Township and to the east by Torch Lake. The property is located south of the former smelter property and several similar capped properties. The property is fenced along the west boundary with a gated entry. There are no structures present on the property. The western portion of the property is believed to be part of the slag dump generated by the former smelter. the eastern portion of the property is believed to incorporated a portion of the slag dump, but also includes the former township dump that was used for the disposal of municipal waste. The property is generally flat towards the west, rising in elevation into an elevated mound in the eastern portion of the property. The southern portion of the mound, drops steeply to Torch Lake where metal debris can be observed protruding from the hillside. The property is characterized as a capped and vegetated portion of the Torch Lake Superfund Site. Significant cap erosion was observed along the northern and eastern shoreline of the property, exposing the underlying slag.

Inspection Date:	10/07	/14							
Check as Appropriate: Provide Written Description Including Condition, Content, and Similar Material Properties:			Document as Applicable:						
Potential Chemical or Physical Hazards	✓	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes	
Suspect ACM		Latitude:							
Residual Process Materials		7							
Potentially Abandoned Containers		7							
Soil Staining/Stressed Vegetation		Longitude:							
Potential PCB or Mercury Containing Equipment		1							
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Other:					7750				
Suspect ACM		Latitude:			大大大				
Residual Process Materials									
Potentially Abandoned Containers					100 Page 1			The state of the s	
Soil Staining/Stressed Vegetation		Longitude:							
Potential PCB or Mercury Containing Equipment					to be a second	10.21		The Colors of the State of the	
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Potential PCB or Mercury Containing Equipment		-							
Other:					View loo	oking west/nort	hwest at the subject property.		
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Potentially Abandoned Containers								A STATE OF THE PARTY OF THE PAR	
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Potential PCB or Mercury Containing Equipment									
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Other:					1				
Suspect ACM		Latitude:							
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Potential PCB or Mercury Containing Equipment									
Other:									

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Appendix D Potential Physical and Health Hazard Inventory - Reconnaissance Logs Abandoned Mining Wastes - Torch Lake Non-Superfund Site Calumet and Hecla - Lake Linden Operations

Geographic Area:

Property (Common Name):

Hubbell Beach and Slag Dump Area

Hubbell Beach/Township Dump - Torch Lake Township

Unknown

10/07/14

Inspection Date:

General Property Description (Significant Land scape Features, Topography, Cover, Etc.,): The property is generally bound on the west by Garfield Avenue and Spruce Street. The property is bound to the east by Torch Lake. The property includes approximately 1,500 feet off shoreline, portions of which that have been designated for public use. The northern half of the property includes a public boat launch, a playground, and picnic areas. The southern half of the property remains undeveloped and wooded. A yard waste collection area is located along Spruce Street in the southern portion of the property. Two large diameter stormwater drains discharge on the property into Torch Lake. The property is not fenced and is accessible by the public. The northern portion of the property is generally flat with a gentle slope toward Torch Lake. The southern portion of the property features a more undulating topography, including wetland areas. The property appears to be a capped and vegetated portion of the Torch Lake Superfund Site. Areas of the cap along the shoreline of Torch Lake have been flooded due to elevated lake levels. Significant cap erosion was observed along the eastern shoreline in the northern half of the property.

Check as Appropriate:	Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:	Document as Applicable:				
Potential Chemical or Physical Hazards	✓ Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes
Suspect ACM	✓ Latitude: 47.17171716	9					
Residual Process Materials							
Potentially Abandoned Containers		DOOFING Support reading material chaptered during offshore recognisions					Material counts CHILL ACREUKED 070445 was called to different this
Soil Staining/Stressed Vegetation	Longitude: -88.426459	ROOFING - Suspect roofing material, observed during offshore reconnaissance. Approximately 20 square feet of black asphaltic roofing material, tar, and metal debris.	VANC AND ASSESSMENT				Material sample CHLL-ASBBLK58-070115 was collected from this location during targeted inspection activities.
Potential PCB or Mercury Containing Equipment		Approximately 20 equals foot of stack depricate recting material, tar, and metal desire.					
					400		
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Residual Process Materials				THE RESERVE			
Potentially Abandoned Containers					0.20		
Soil Staining/Stressed Vegetation	Longitude:						
Potential PCB or Mercury Containing Equipment							
Other:				***			
Suspect ACM	Latitude:						
Residual Process Materials				** 2°			
Potentially Abandoned Containers			100	" "			
Soil Staining/Stressed Vegetation	Longitude:			The Late of the La	(基金)		
Potential PCB or Mercury Containing Equipment			A CONTRACTOR	大多是			
			View looking south/southeast	at a yard waste co	llection area at tl	ne subject property.	
Other:				+	+		
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Residual Process Materials			safet.				
Potentially Abandoned Containers							
Soil Staining/Stressed Vegetation	Longitude:						
Potential PCB or Mercury Containing Equipment					, Qu		
Other:						State .	
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Potentially Abandoned Containers					A 2 4		
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Potential PCB or Mercury Containing Equipment					*	11	
Other:							
Suspect ACM	Latitude:		100000000000000000000000000000000000000				
Residual Process Materials					The same of the same of		
Potentially Abandoned Containers							
Soil Staining/Stressed Vegetation	Longitude:		View looking north at the mari	na at the subject p	roperty.		
Potential PCB or Mercury Containing Equipment							
. Standard So of Marian y Containing Equipment							
Other:							

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