


Figure 3.3.1 – Mary River Access Route

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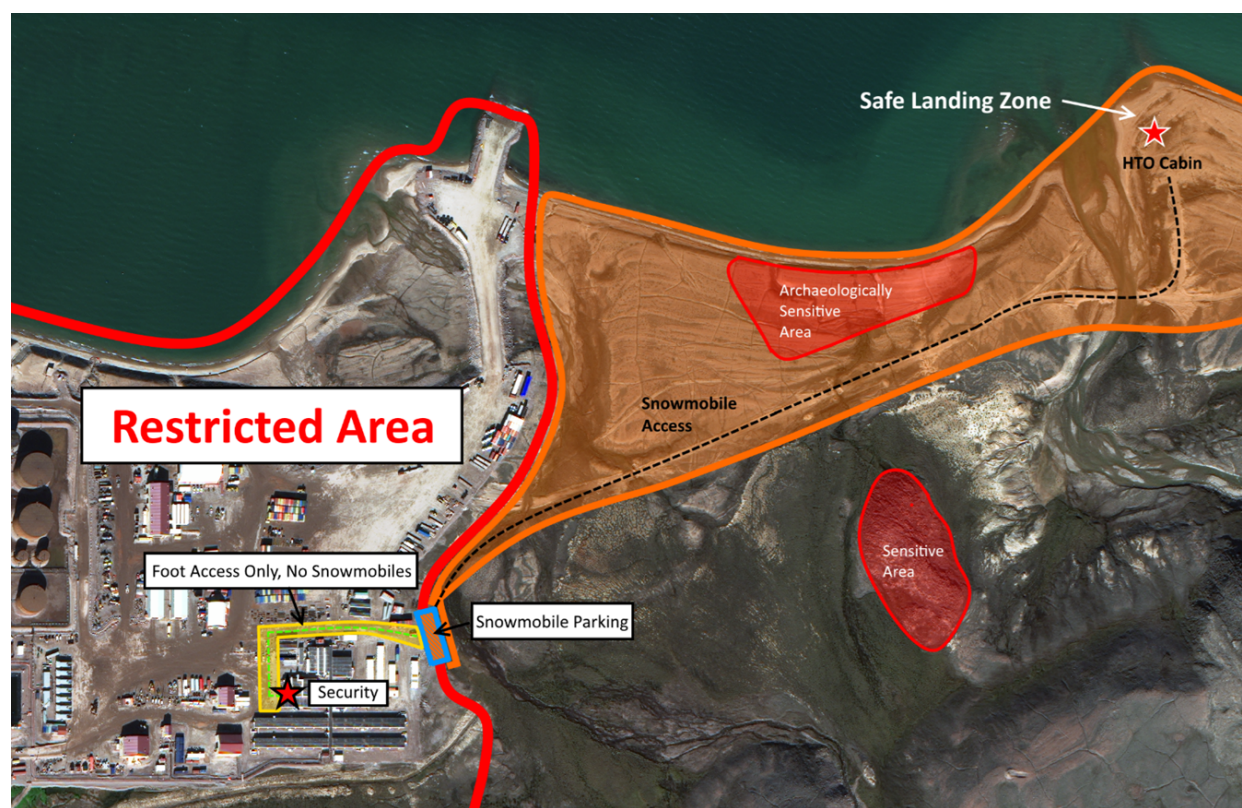
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3.3.2	Milne Port Visitor Access Routes	BA	December 21,

[Snowmobiles to be parked in the designated parking location only \(blue area on map below\). Snowmobiles are not permitted within the camp work area, including the pick-up truck parking lot.](#)

[Milne Port is an operating work site and is restricted to all visitors for their safety. Visitors are asked to stay within the foot access area only \(yellow area on map below\).](#)

[Visitors are asked to sign in with Security at the front desk upon arrival on site.](#)

[If continuing on to Mary River, visitors are asked to follow Mary River site requirements and restricted area boundaries \(shown below\).](#)



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Figure 3.3.2 – Milne Port Access Route

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3.5 DRILL INSPECTION FORMS

SECTION	OPERATIONAL ENVIRONMENT STANDARD	REVISION #	REVISION DATE
3.5	Drilling Inspection Forms	B	July 19, 2009


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PRE-DRILLING INSPECTION REPORT

	PRE-DRILLING INSPECTION REPORT	
	Baffinland personnel: Date: Time: Proposed hole ID: Final hole ID:	
PROPOSED HOLE INFORMATION:		
Deposit #:	Collar location:	E
Project:	(NAD 83)	N
Area:	Dip:	
NTS:	Azimuth:	
Elevation:	Target depth:	
Description of drill hole location:		
Purpose of drill hole:		
DRILLING INFORMATION:		
Has site been approved by drill foreman?		
Drill contractor: Drill personnel: Drill #:		
Expected start of drilling:		
Is moving of drill hole required?		
If yes, provide reason:		
New collar location:	E	N
WATER MANAGEMENT:		
Water source:		
Pump Station #:		
Sump location identified and constructed?: Yes/No (Photo required)		
Corner 1:	E	N
Corner 2:	E	N
Silt fence(s) constructed?: Yes/No (Photo required)		
Corner 1:	E	N
Corner 2:	E	N
SITE ASSESSMENTS:		
Are wildlife present?: (If yes, record in log)		
Is site safe for drilling?		
Stable platform	Yes /No	Fire Extinguisher Yes /No
First Aid kit	Yes /No	Eye Wash Yes /No
PPE	Yes /No	Spill Kits Yes /No
Safety concerns/issues:		
Environmental concerns?		
PHOTOGRAPHIC RECORD:		
Photo of drill hole location prior to setup?	Yes /No	
Name:	Folder:	
Uploaded to hard drive?		
COMMENTS:		

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DAILY DRILLING INSPECTION REPORT


		DAILY DRILL INSPECTION REPORT	
		Baffinland personnel: Date: Time: Hole ID:	
HOLE INFORMATION:			
Deposit #:	1	Collar location:	E
Location:		(NAD 83)	N
DRILLING INFORMATION			
Drill contractor:			
Drill personnel:			
Drill #:			
DRILLING PROGRESS:			
Day Shift		Night Shift	
Start depth:		Start depth:	
End depth:		End depth:	
Total depth drilled:		Total depth drilled:	
Casing installed:		Casing installed:	
Any rods/casing/tools lost in the drill hole? If yes, what was lost?			
Delays/Problems: (breakdowns, stuck rods, bit change, weather, wait time, drill move, etc.) Provide time estimate			
WATER USE ASSESSMENT:			
Sediment control measures in place:		DAILY WATER USE MONITORING:	
Assessment of effectiveness:		Water meter reading (start of day):	
Approximate water level in sump:		Water meter reading (end of day):	
Color of water in sump:			
Color of runoff?			
Conductivity readings?:	Station #	Reading	
	Station #	Reading	
	Station #	Reading	
Turbidity sample(s) taken?:	Sample #	Reading	
	Sample #	Reading	
SITE ASSESSMENT:			
Are wildlife present?: (check log for previous wildlife activity)			
Is site safe for drilling?			
Stable platform	Yes / No	Fire Extinguisher	Yes / No
First Aid kit	Yes / No	Eye Wash	Yes / No
PPE	Yes / No	Spill Kits	Yes / No
Lined Berms	Yes / No		
Safety concerns/issues:			
Environmental concerns?			
Corrective action required?: Action plan (if required):			
Responsible party:			
Date to be completed: Photograph (only required to document problems and corrective actions)			
PHOTOGRAPHIC RECORD:			
Photo of drill hole during drilling?		Photo of water management measures?	
Name:		Folder:	
Uploaded to hard drive?			
COMMENTS:			

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POST-DRILLING INSPECTION REPORT

	POST-DRILLING INSPECTION REPORT Baffinland personnel: Date: Time: Final hole ID:						
HOLE INFORMATION:							
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> Deposit #: Project: MARY RIVER Area: BAFFIN ISLAND NTS: 37G/5 Elevation: Description of drill hole location: Purpose of drill hole: </td> <td style="width: 50%; vertical-align: top;"> Collar location: E (NAD 83) N Dip: Azimuth: EOH: </td> </tr> </table>		Deposit #: Project: MARY RIVER Area: BAFFIN ISLAND NTS: 37G/5 Elevation: Description of drill hole location: Purpose of drill hole:	Collar location: E (NAD 83) N Dip: Azimuth: EOH:				
Deposit #: Project: MARY RIVER Area: BAFFIN ISLAND NTS: 37G/5 Elevation: Description of drill hole location: Purpose of drill hole:	Collar location: E (NAD 83) N Dip: Azimuth: EOH:						
DRILLING INFORMATION:							
Drill contractor: Drill personnel: Drill #: End of drilling: Casing: Any rods/casing/tools lost in the drill hole? If yes, what was lost? Are rods/casing left in the ground cut at ground level and is the hole properly plugged and capped? Yes / No Next set-up collar location: E N							
WATER USE ASSESSMENT:							
Water source: Mary River Pump station #: Total amount of hours water was pumped from pump station:							
SITE ASSESSMENT:							
All materials and debris removed from site? Yes /No <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Any environmental concerns?</td> <td style="width: 33%;">Yes /No</td> <td style="width: 34%;">If yes, please describe below:</td> </tr> <tr> <td>Any additional work required?</td> <td>Yes /No</td> <td>If yes, please describe below:</td> </tr> </table> Corrective action: Responsible party: Date to be completed by:		Any environmental concerns?	Yes /No	If yes, please describe below:	Any additional work required?	Yes /No	If yes, please describe below:
Any environmental concerns?	Yes /No	If yes, please describe below:					
Any additional work required?	Yes /No	If yes, please describe below:					
PHOTOGRAPHIC RECORD:							
Photo of drill hole location following demobilization and clean up? Yes /No Name: Folder: Uploaded to hard drive?							
COMMENTS:							
INSPECTION COMPLETED BY:							
Baffinland signature:	Drill contractor signature:						


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3.6	NT-NU Spill Report Form	A	July 15, 2014

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3.7 DAILY TANK INSPECTION CHECKLIST

SECTION	OPERATIONAL ENVIRONMENT STANDARD	REVISION	REVISION DATE
3.7	Daily Tank Inspection Checklist	A	July 15, 2014



Daily Fuel Tank Farm Inspection Checklist

Week Ending Date: _____

Check box to indicate area inspected:

☐
☐
☐

Milne Inlet : main bulk tank facility and distribution / dispensing stations.

Mary River : bulk tank facility and distribution / dispensing stations.

Other: _____

All functional areas will be inspected daily.

	M	T	W	T	F	S	S
EMPLOYEE NAME:							
Visually inspect entire bulk fuel facility, tanks, pipelines and pump buildings.							
Note any alarms or lit warning lamps, and determine cause.							
Check evidence of tank leakage, damage, or any unusual condition.							
Check evidence of pipeline connection leakage or any unusual condition.							
Are all pipe supports solidly in place?							
Check that the correct tank supply valves are open.							
Check condition of catwalks, stairs and building access - clear snow.							
Empty trash containers and remove trash from all areas inside and out.							
Reduce or eliminate drips or seeps where possible.							
Ensure that all drips are cleaned and sorbent pads are regularly changed.							
Ensure that an adequate supply of new sorbent pads are on hand.							
Confirm all listed fire extinguishers are checked.							
Check and confirm the availability and contents of the spill response kits.							
Ensure that electric lighting is adequate and no lamps are burned out.							
Confirm that signs are posted indicating no smoking, no ignition sources.							
Ensure that eyewash and first aid kits are in place.							

Comments: _____

3.8 FUEL TANK DIPPING FORM

SECTION	OPERATIONAL ENVIRONMENT STANDARD	REVISION	REVISION DATE
3.8	Fuel Tank Dipping Form	A	July 15, 2014

Fuel Tank Dipping Form

Tank 1	Top of Flange					
	Dip 1	Dip 2	Dip 3	Final	Temperature	Calculated Volume
Comments or notes						

Tank 2	Top of Flange					
	Dip 1	Dip 2	Dip 3	Final	Temperature	Calculated Volume
Comments or notes						

Tank 3	Top of Flange					
	Dip 1	Dip 2	Dip 3	Final	Temperature	Calculated Volume
Comments or notes						


Tank 4	Top of Flange					
	Dip 1	Dip 2	Dip 3	Final	Temperature	Calculated Volume
Comments or notes						

Tank being Filled (Outlet Valves Open)						
Tank being Consumed from (Inlet Valves Open)						
Light Vehicle Meter reading at dispense						
Refueler Truck Meter reading at dispense						
Dipped By						
Date & Time						
Weather conditions						

NOTE: A MINIMUM OF 2 DIPS FOR EACH TANK ARE REQUIRED. IF THEY ARE DIFFERENT A 3rd DIP IS REQUIRED FOR A 2 DIP MATCH
CHECK FOR ANY SAFETY CONCERNS BEFORE CLIMBING THE STAIRS SUCH AS ICE ON THE STEPS.
ALWAYS HOLD THE HAND RAIL WHEN CLIMBING OR DESCENDING THE STAIRS
BE SURE TO RECORD WHICH TANKS ARE BEING FILLED OR CONSUMED FROM ON THE DIP DAY

PPE REQUIRED FOR DIP
FULL PPE REQUIRED. SPECIAL PPE REQUIRED WILL BE GLOVES FIT FOR PURPOSE, DRESS FOR WEATHER CONDITIONS

TOOLS REQUIRED FOR DIP
CARRY BAG, DIPPING TAPE WITH BRASS WEIGHT TIP, DIPPING THERMOMETER, WIPING RAGS, FUEL & WATER PASTE (Ajax)

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3.9 POLAR BEAR READINESS AUDIT FORM

SECTION	OPERATIONAL ENVIRONMENT STANDARD	REVISION	REVISION DATE
3.9	Polar Bear Readiness Audit Form	A	July 29, 2016



Polar Bear Audit

Auditors: _____

Date: _____

Dressing Hardware

- ☐ Two 6 inch Buck Knives
- ☐ Two 4 inch Buck Knives
- ☐ One Sawblade

Fire Arm Approved MRT Members on site

Name	Shift	Room

Preapproved Polar Bear Dressers

Name	Shift	Room

Carcass Storage Location


Storage location	Temperature

Carcass Delivery Capabilities

Delivery Method	Delivery Timeline

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3.11 ACTIVE MIGRATORY BIRD NEST SEARCH FORM

SECTION	OPERATIONAL ENVIRONMENT STANDARD	REVISION	REVISION DATE
3.11	Active Migratory Bird Nest Search Form	A	July 29, 2016

Active Migratory Bird Nest Search Form

Survey Date: MM/DD/YYYY		Start Time: 24 hour		End Time: 24 hour	
Names of Surveyors:					Total # of Surveyors:
Weather Conditions (Precipitation, Cloud cover, Wind, Temperature) – Note: Surveys should not be conducted in rain, snow or other inclement weather					
Description of Search Area (Location – Geographic Place Name or Distance & Direction from Named Location, Size etc.):				Photos of Site:	
Survey Map (Include any existing disturbance, water bodies or other geographic features and the location of any nests found)				Waypoint Corners of Search Area (Waypoint #, Latitude, Longitude)	
				Waypoint Corner 1:	
				Waypoint Corner 2:	
				Waypoint Corner 3:	
				Waypoint Corner 4:	
Number of Nests Found (Details on Page Two)					
Nest Observations:					
Nest ID #	Waypoint (Waypoint #, Latitude, Longitude)	Species/Species Group		# Eggs/Young	
	Description of Nest			Photo Numbers	

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	Nest Buffer Applied (Size, How it was Determined, How it was Marked)		
Nest ID #	Waypoint (Waypoint #, Latitude, Longitude)	Species/Species Group	# Eggs/Young
	Description of Nest		Photo Numbers
	Nest Buffer Applied (Size, How it was Determined, How it was Marked)		
Nest ID #	Waypoint (Waypoint #, Latitude, Longitude)	Species/Species Group	# Eggs/Young
	Description of Nest		Photo Numbers
	Nest Buffer Applied (Size, How it was Determined, How it was Marked)		
Nest ID #	Waypoint (Waypoint #, Latitude, Longitude)	Species/Species Group	# Eggs/Young
	Description of Nest		Photo Numbers
	Nest Buffer Applied (Size, How it was Determined, How it was Marked)		

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3.14 WATERCOURSE CROSSING DATA MONITORING FORM

SECTION	OPERATIONAL ENVIRONMENT STANDARD	REVISION #	REVISION DATE
3.14	Watercourse Crossing Data Monitoring Form	A	June 4, 2008

CROSSING ID:											
Construction Duration:			Start:			Finish:					
			Environmental Inspector:			Start (Date and Time):			Finish (Date and Time):		
Env. Inspector on site during in-water work:											
LOCATION											
Datum:			Zone:								
Easting (m):			Northing (m):			Elevation (from mapping):			Other notes:		
FISH ASSESSMENT PRIOR TO CONSTRUCTION						Date of Inspection:					
Fish Present?			Y / N			If Yes, distance from crossing:			US / DS		
Spawning Arctic Char present at crossing?			Y / N			(If yes, contact biologist)					
Spawning site present 20 m upstream or downstream of crossing?			Y / N								
CHANNEL CHARACTERISTICS											
Date Measured:			Pre-Construction						Post Construction		
Location		Distance	Width (m)		Water Depth (m)		Width (m)		Water Depth (m)		
			Wetted	High W	Max	Avg.		Wetted	High W	Max	Avg.
Crossing											
Upstream											
Downstream											
SEDIMENT AND EROSION CONTROL MEASURES											
Measure installed:								Date installed:			
								Dated removed:			
								Turbidity monitored Y / N			
Measures taken to stabilize disturbed areas:											
CROSSING INSTALLATION DETAILS											
1.2 m	culverts				lengths of culvert				Notes:		
1.0 m	culverts				lengths of culvert						
0.5 m	culverts				lengths of culvert						
PHOTOS											
View across crossing, view from upstream, view from downstream and any other to illustrate conditions.											
	Photo #	Date	Direction	Vantage point			Photo #	Date	Direction	Vantage point	
Before						After					
across						across					
from US						from US					
from DS						from DS					
During						Sed Con					
across						across					
from US						from US					
from DS						from DS					
NOTES											

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3.15 TURBIDITY MONITORING DATA FORM

SECTION	OPERATIONAL ENVIRONMENT STANDARD	REVISION #	REVISION DATE
3.15	Turbidity Monitoring Data Form	A	June 4, 2008
CROSSING ID:			
Field Crew:		Date:	Time:
LOCATION		Datum: Zone:	
Easting (m):	Northing (m):	Elevation (from mapping):	Other notes:
CURRENT WEATHER: Wind:		Air Temp:	Precipitation: Cloud Cover (%):
Recent Weather Events:			
CONSTRUCTION Construction Phase (circle one): Pre-Construction During Construction Post-Construction			
Type of Activity:		Equipment in Use:	
Date Construction Began:			
Is the crossing location changing? (i.e. Is the crossing moving upstream or downstream of its original location? How far? Which direction?)			
SITE SKETCH, NOTES, REMARKS: (i.e. high water table, high turbidity, natural bank erosion, water color, char observed in stream, algae in water, etc.)			
Is there anything unique about this crossing compared to other watercourses? (i.e. steep banks, clay in water, etc.)			
Substrate Particles		% Areal Coverage (est.)	
		% sand/silt/clay (<2mm)	
		% gravel (2 - 64 mm)	
		% cobble (64 - 256 mm)	
		% boulder (> 256 mm)	
		% bedrock	
Riparian Vegetation and Shading (describe):			
IN SITU TURBIDITY READINGS (complete at least one measurement upstream and downstream of crossing)			
Meter Make and Model:			
Location	Distance from crossing (m)	Turbidity (NTU)	Time
Upstream			
Crossing			
Downstream			
FLOW ESTIMATES Location :			
High Water Width (m):		Distance between points (m):	
Wetted Channel Width:		Time (min): /	
Approx. Average Depth:		Surface velocity estimate:	
Average Velocity $(0.8^{(1)} \times \text{Surface Velocity}) (V) =$			
Note (1) - depends on substrate composition: 0.8 for rough, loose rocks or coarse gravel / 0.9 for smooth mud, sand, or hard pan rock			
PHOTOS: (upstream, crossing, downstream)			
NOTES:			

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3.16 ENVIRONMENTAL INSPECTION FORMS

SECTION	OPERATIONAL ENVIRONMENT STANDARD	REVISION #	REVISION DATE
3.13	Environmental Inspection Forms	A	July 15, 2014

Aircraft Fuel Dispensing Areas Inspection Checklist

Date:						
Inspecting Personnel:						
Camp:						
	Condition	Y/N or NA	Recommended Corrective Action (if necessary)	Responsible Party	Corrective Action Taken or Plan	Completion Date
1	Is a spill kit present and fully stocked?					
2	Is a drum or disposal bin present for used absorbent pads?					
3	Is there a spill tray present for re-fuelling activities?					
4	Are spill trays damaged or overflowing?					
6	Are fuel lines damaged or leaking?					
7	Does the Jet A fuel tank have visible signs of overflow (ex. stains on the side of the tank)?					
8	Are there visible leaks or free product within the fuel berm?					
9	Is there evidence of leaking or visible staining outside of lined area?					
10	Is there water present in the bermed area? If so, specify maximum water depth.					
11	Is there free phase product visible on any water surface within the bermed area?					
12	Are there signs of instability or tears in bermed areas? (i.e. collapsing berm or exposed liner).					
13	Is there any other refuse present? (i.e. garbage, loose materials, etc.)					



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Containment Berms and Accommodations Complex Fuel Storage Inspection Checklist

							
Date:							
Inspecting Personnel:							
Camp:							
Area		Condition	Y/N or NA	Recommended Corrective Action (if necessary)	Responsible Party	Corrective Action Taken or Plan	Completion Date
Accommodations Complex - Fuel Tanks (Day)	1	Are spill kits present, labelled and fully stocked?					
	2	Is there any visible damage to the fuel tanks?					
	3	Are any lines, fittings, or pipes damaged and/or leaking?					
	4	Are there any fuel stains or visible spills near the fuel storage tanks?					
	5	Are storage tanks protected by cement barriers?					
Containment Berms (Bladder Farm, New Product Berms, Steel Tank Farm)	1	Is a spill kit present, labelled and stocked at each berm?					
	2	Are there visible leaks or stains within or outside the berms?					
	3	Is there water present in the bermed areas? If so, specify maximum water depth.					
	4	Is there free phase product visible on any water surface within the bermed areas?					
	6	Are there signs of instability or tears in bermed areas? (i.e. collapsing berm or exposed liner)					
	7	Are all containers within the berms labelled, stored upright, and in good condition (i.e. free of structural defects)?					
	8	Is there any refuse present? (i.e. garbage, loose materials, etc.)					

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Hazardous Waste Containment Berm Inspection Checklist

Date:						
Inspecting Personnel:						
Camp:						
	Condition	Y/N or NA	Recommended Corrective Action (if necessary)	Responsible Party	Corrective Action Taken or Plan	Completion Date
1	Are spill kits present, labelled, and fully stocked?					
2	Are all containers within the berm correctly labelled, stored upright and in good condition (i.e. free of structural defects)?					
3	Is there evidence of leaking or visible staining outside of lined area?					
4	Is there water present in the bermed area? If so, specify maximum water depth.					
5	Is there free phase product visible on any water surface within the bermed area?					
6	Is there free phase product visible on the ground within the bermed area?					
7	Are there signs of instability or tears in bermed areas? (i.e. collapsing berm or exposed liner)					
8	Is there any other refuse present? (i.e. garbage, loose materials, etc.)					

Additional Notes:

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Crusher and Quarry Inspection Checklist

Date: _____						
Inspecting Personnel: _____						
Camp: _____						
	Condition	Y/N or NA	Recommended Corrective Action (if necessary)	Responsible Party	Corrective Action Taken or Plan	Completion Date
1	Are hazardous materials and waste being stored in secondary containment?					
2	Are spill kits present, labelled, and fully stocked?					
3	Is explosives packaging (boxes, plastic bags) being burnt in an approved open burn location?					
4	Is ash generated from open burns being transferred and stored in the appropriate drums?					
5	Are waste items being properly sorted and disposed of?					
6	Are the natural drainage patterns of the quarried area still intact?					
7	Are silt fences or settling ponds in place to limit sediment transport into surrounding water bodies?					
8	Is there any signs of pooling water or thawing permafrost?					
9	Are there any fuel stains or visible spills?					
10	Is topsoil or overburden being stockpiled in area away from drainage routes?					
11	Are operators conducting pre-operation checks on their equipment?					
12	Do equipment operators have an adequate amount of spill reponse supplies on board?					



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Genset Area Inspection Checklist

Date:							
Inspecting Personnel:							
Camp:							
							
Area		Condition	Y/N or NA	Recommended Corrective Action (if necessary)	Responsible Party	Corrective Action Taken or Plan	Completion Date
Genset Area	1	Is a spill kit present, labelled and fully stocked?					
	2	Are spill berms present under the oil drains, hose connections, and any other points of potential leakage?					
	3	Are spill berms in danger of overflowing?					
	4	Is there visible staining under the oil drains or other areas of potential leakage?					
	5	Are any hoses or nozzles cracked, damaged or leaking?					
	6	Are all hazardous waste/materials in secondary containment?					
	7	Is there any other refuse present? (i.e. garbage, loose materials, etc.)					

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Incinerator and Burnable Waste Storage Inspection Checklist

Date: _____						
Inspecting Personnel: _____						
Camp: _____						
	Condition	Y/N or NA	Recommended Corrective Action (if necessary)	Responsible Party	Corrective Action Taken or Plan	Completion Date
1	Is a spill kit present, labelled and fully stocked?					
2	Are fuel lines damaged or leaking?					
3	Are spill trays present at any points of potential leakage in fuel lines? (e.g. hose connections)					
4	Is any burnable waste securely contained within the sea can?					
5	Are any inappropriate waste types present (ex. styrofoam, aerosols, waste batteries)?					
6	Is the surrounding area free of loose debris?					
8	Are there any animal attractants (ex. food waste being left outdoors)?					
9	Is the door to the incinerator securely shut to prevent animal access?					
11	Do all ash drums have lids on them?					
12	Are operators filling out the incinerator log?					
13	Is there signage describing acceptable wastes?					



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Maintenance Shop Inspection Checklist

Date:						
Inspection Personnel:						
Camp:						
						
	Condition	Y/N or NA	Recommended Corrective Action (if necessary)	Responsible Party	Corrective Action Taken or Plan	Completion Date
1	Are spill trays present and in use at all points of potential leakage?					
2	Are the vehicles needing maintenance leaking? If so, is there a spill tray underneath?					
3	Is there visible staining under areas of potential leakage?					
4	Are all fuel or other hazardous products (e.g. jerry cans, 5 gallon pails, batteries etc.) located in secondary containment?					
5	Is waste properly segregated into labelled containers? (e.g. oil filters, used absorbents etc.)?					
6	Is a spill kit present, labelled, and fully stocked?					
7	Is there any other refuse present? (i.e. garbage, loose materials, etc.)					

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Accommodations Complex Waste Management Inspection Checklist

Date:						
Inspection Personnel:						
Camp:						
	Condition	Y/N or NA	Recommended Corrective Action (if necessary)	Responsible Party	Corrective Action Taken or Plan	Completion Date
	Accommodations Complex					
1	Do the aerosol/waste battery disposal bins contain only the designated waste?					
2	Are the aerosol/waste battery disposal bins properly labelled?					
6	Do the garbage cans contain acceptable wastes (ex. food items and packaging, paper products, small plastics)?					
7	Are garbage cans located in a well ventilated area?					
8	Are signs located over washroom sinks, kitchen sinks etc. indicating acceptable drain waste?					
9	Are signs located in the washroom stalls indicating flushable wastes?					
10	Are the Waste Sorting Guidelines posted throughout the complex?					
11	Is all waste from the kitchen (food product, waste grease etc.) being segregated into the proper bins?					
12	Is all hazardous waste being stored in secondary containment (oils, greases, fuel)?					
13	Are there animal attractants located outside (i.e. food wastes)?					



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Tent City (Exploration Camp) Inspection Checklist

Date:						
Inspecting Personnel:						
Camp:						
	Condition	Y/N or NA	Recommended Corrective Action (if necessary)	Responsible Party	Corrective Action Taken or Plan	Completion Date
1	Are fuel berms present behind each tent?					
2	Are fuel berms structurally sound? (i.e. no rips, tears or leaks)					
3	Are fuel berms in danger of overflowing?					
4	Are fuel drum and fuel drum stands structurally sound? (i.e. punctures, tilting, etc.)					
5	Is there any staining around fuel berms or tents indicating a spill?					
6	Are the fuel lines damaged or leaking?					
7	Is there any refuse present? (i.e. Loose garbage)					
8	Is environmental lab waste stored in a labelled quatrex bag?					

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Truck Refueling Modules Inspection Checklist

Date:						
Inspecting Personnel:						
Camp:						
	Condition	Y/N or NA	Recommended Corrective Action (if necessary)	Responsible Party	Corrective Action Taken or Plan	Completion Date
1	Is a spill kit present and fully stocked?					
2	Is a drum or disposal bin present for used absorbent pads?					
3	Is there a spill tray present for re-fuelling activities?					
4	Are all jerry cans and hazardous materials stored in secondary containment?					
5	Are spill trays damaged or overflowing?					
6	Are lights operational in the sea-can and pump?					
7	Is a re-fuelling SOP present?					
8	Are fuel lines cracked or damaged?					
9	Is there evidence of leaking or visible staining outside of lined area?					
10	Are there visible leaks or stains within the lined area?					
11	Is there any other refuse present? (i.e. garbage, loose materials, etc.)					



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Tote Road Construction Inspection Checklist

Date:					
Inspecting Personnel:					
Section of Road Inspected:					
Condition	Y/N or NA	Recommended Corrective Action (if necessary)	Responsible Party	Corrective Action Taken or Plan	Completion Date
1 Are all archaeology sites clearly marked?					
2 Are streams and water bodies within construction zones clearly visible?					
3 Are borrow pits 31 meters away from all streams and water bodies?					
4 Are borrow pits 50 meters away from all archaeological sites?					
5 Is there any signs of construction activity or disturbance within 50 meters of any archaeology site?					
6 Do equipment operators have an adequate amount of spill response supplies on board?					
7 Are operators conducting pre-operation checks on their equipment?					
8 Are there any fuel stains or visible spills?					
9 Are hazardous materials and waste being stored in secondary containment?					
10 Are spill kits present, labelled, and fully stocked at high activity areas (i.e. quarries, borrow pits)?					
11 Are silt fences in place to minimize sediment transport into surrounding water bodies?					
12 Are there any signs of wildlife nearby (i.e. tracks, sightings)?					



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Waste Sorting Area Inspection Checklist

Date: _____
Time: _____
Inspector name: _____
Inspector's position: _____

Please review and complete the form as applicable. Any non-conformances with the waste sorting area should be reported to the Environment Department.


General Site			
	Yes	No	Corrective Action
Is the route to the waste sorting area in suitable condition to provide truck access?			
Are the waste sorting signs in good condition?			
Are the waste containers upright and in their appropriate locations?			
Does the waste appear to be sorted?			
Is the site clean and free of litter?			
Are there any unacceptable wastes present? (ie. food scraps, cardboard, paper, scrap wood, small plastics or other burnables)			

Waste Sorting Containers						
	Container type* (drum or quatrex)	Quantity	Capacity (Full, half, empty)	Condition (OK, damaged, leaky)	Signage (OK, damaged, missing)	Comments
Aerosol cans						
Used absorbents						
Propane Containers						
Used oil filters						
Waste batteries						
Contaminated hoses						
Mixed waste containers						
Oily plastics						

Additional Comments

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General Environmental Inspection Form

NAME: _____

DATE: _____

AREA(S) INSPECTED: _____

ENVIRONMENTAL CONCERNS: _____

CORRECTIVE ACTIONS REQUIRED: _____

COMMENTS: _____



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Landfill Facility Inspection Form

Date: _____

Time: _____

Inspector name: _____

Inspector's position: _____

Please review and complete the form as applicable. Any non-conformances with the landfill should be reported to the Site Manager(s) in writing, for action.

General Site

	Yes	No
Is the route to the landfill in suitable condition to provide truck access?		
If not, describe location and problem.		
Is the unloading area at the working face levelled?		
If not, explain.		
Are the User Rules and Landfill Waste Sorting signs in good condition?		
If not, explain.		
Is the tundra around the outside perimeter of the landfill berm stable?		
If not, describe problem.		
Is open burning occurring or is there evidence of open burning?		
If so, list the applicable permit.		

Surface Water and Site Runoff

Please inspect within landfill area, around berms and follow drainage to observe the following:

	Yes	No
Any pooling of water present within landfill area or against berms?		
If so, where?		
Any leachate developing in and around landfill area?		
If so, where?		
Are culverts draining?		
If not, explain. Ground Frozen		
Is the water flow silt free?		
If not, describe problem. Ground Frozen		
Is site runoff draining properly around landfill and directed towards Sheardown Lake?		
If not, explain. Ground Frozen		

Geotechnical Assessment

Please examine the integrity of the berms and floor of landfill area to observe the following:

	Yes	No
Any evidence of ground temperature warming? e.g. soil creep, subsidence, heaving, etc.		
If so, where?		
Any visible sign of erosion from wind or runoff?		
If so, where?		
Any indication of berm settlement? e.g. low spots or pooling water		
If so, where?		
Does the most recent cell cover have 0.1 m on the face and 0.3 m on the deck?		
If not, how is it?		

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Waste Composition, Litter Control and Placement

Please inspect areal placement and contents of landfill to observe the following:

	Yes	No
Is cover material stockpiled?		
Is the working face length as small as practical and below 12 m?		
Is the perimeter litter fences established?		
Are the litter fences capturing the litter?		
Do the wastes appear to be compacted on a regular basis? Recent waste has not been compacted		
Has the site been cleaned of litter in the last two weeks?		
Are there any unacceptable wastes present or proposed for landfill?		

If so, describe in the following table:

Unacceptable Waste Type	None	1-5 pieces	6-10 pieces	>10 pieces
Aerosol cans				
Batteries				
Food				
Food packaging				
Incinerator waste				
Oil contaminated waste				
Oil products and containers				
Other:				
Other:				

Wildlife Observations

Species	Number	Comments

Wildlife Signs (tracks, scats, or chews)

Species	Type of Sign	Number	Comments

Other Comments



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PWSP Inspection Form

Date: _____
Inspectors: _____
Inspectors' Positions: _____
Camp: _____

Pond 1

		Yes	No
1	Is the roadway up to the pond suitable for truck access? If no, please provide an explanation below: _____ _____		
2	Is there any evidence of soil creep or berm displacement along the slope of the berm? _____ _____		
3	Is the berm area free of loose debris? (e.g. garbage, loose materials, etc.) _____ _____		
4	Is there any indication of berm settlement underneath the liner? _____ _____		
5	Are there any unwanted materials floating in the pond? _____ _____		
6	Are there unidentified tears in the liner that need to be repaired?		

Additional comments:

Pond 2

		Yes	No
1	Is the roadway up to the pond suitable for truck access? If no, please provide an explanation below: _____ _____		
2	Is there any evidence of soil creep or berm displacement along the slope of the berm? _____ _____		
3	Is the berm area free of loose debris? (e.g. garbage, loose materials, etc.) _____		

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4	Is there any indication of berm settlement underneath the liner?		
5	Are there any unwanted materials floating in the pond?		
6	Are there unidentified tears in the liner that need to be repaired?		

Additional comments:


Pond 3

		Yes	No
1	Is the roadway up to the pond suitable for truck access? If no, please provide an explanation below: <u>Access road to Pond # 1 not accessible, snowdrift build up</u>		
2	Is there any evidence of soil creep or berm displacement along the slope of the berm?		
3	Is the berm area free of loose debris? (e.g. garbage, loose materials, etc.)		
4	Is there any indication of berm settlement underneath the liner?		
5	Are there any unwanted materials floating in the pond?		
6	Are there unidentified tears in the liner that need to be repaired?		

Additional comments: _____

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4 REQUEST FOR REVISION TO AN OPERATIONAL ENVIRONMENT STANDARD

SECTION	OPERATIONAL ENVIRONMENT STANDARD	REVISION #	REVISION DATE
4.0	Request for Revision to an Operational Environment Standard	C	July 15, 2014

The Environmental Protection Plan is a living document, and its users are encouraged to suggest changes to the content or wording of Operational Environment Standards to make the document more useful, appropriate to the work being conducted, and user-friendly.


Please submit a copy of this Request for Revision to an Operational Environment Standard to the Baffinland Environmental Superintendent.

Section To Be Revised (or Title of New Operational Environment Standard): (E.g. Section 2.1 Archaeology)
Nature of Proposed Change: (E.g. update, addition, new, etc.)
Rationale For Request (E.g. Environmental Protection, worker safety, etc.)
The Revision (or New Operational Environment Standard): (Text)

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Appendix A

Polar Bear Readiness Procedure and Audit

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POLAR BEAR READINESS PROCEDURE AND AUDIT

Introduction

The purpose of this document is to ensure that all Polar Bear incidents are documented and promptly reported to regulators and that all preparation and requirements regarding Polar Bear mortalities are in place. The Polar Bear Safety Plan should be referenced for additional information pertaining to Polar Bear Mortalities.

Reporting Requirements

In the event of a Polar Bear mortality QIA, HTO and the GN Wildlife Officer must be notified within 2 hours of the kill.

QIA

Mr. David Qamaniq, Acting QIA Environmental Monitor, (867) 899-8640, dqamaniq@qia.ca

Mr. Stephen Bathory, Acting QIA Environmental Monitor, (867) 975-8400, swbathory@qia.ca.

HTO

Mrs. Rebecca Mikki, HTO Manager (Igloodik), (867) 934-8807, igloodikhto@gmail.com

Mr. David Arreak, HTO Manager (Pond Inlet), (867) 899-8856, htopond@qiniq.com

Government of Nunavut Wildlife Officer

Mr. George Koonoo, Wildlife Officer, (867) 899-1330, pondwildlife@qiniq.com

Preparations and Procedure

Firearm use

Only pre-approved designated individuals that are active MERT members who have documented their Possession and Acquisition licence with Security are authorised to shoot a Polar Bear.

Dressing

A preapproved Inuit worker documented by Human Resources with the experience and expertise will attend to field dressing, gutting, skinning, and cutting the carcass, if an on-site QIA representative does not identify a desired individual. A Wildlife Carcass Dressing Kit consisting of two 6 inch blades, two 4 inch blades and one sawblade will be provided by the Environment Department.

In the event of polar bear mortality, the following parts must be preserved and delivered to the Conservation Officer:

- i. The lower jaw or an undamaged post-canine tooth,
- ii. Any lip tattoos present,
- iii. Any radio collars or ear tags present, and
- iv. Evidence of sex (i.e. penis/baculum).

Carcass Storage



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All salvageable parts of the carcass must be delivered to the designated community within 24 hours of the kill if possible. Prior to being delivered and to avoid spoilage, all salvageable wildlife parts must be promptly and safely stored in a refrigerated place. The meat and salvageable parts should not be stored in a c-can or be allowed to spoil.

Polar Bear Audit

Auditors: _____

Date: _____

Dressing Hardware

- ☐ Two 6 inch Buck Knives
- ☐ Two 4 inch Buck Knives
- ☐ One Sawblade

Fire Arm Approved ~~M~~ERT Members on site

Name	Shift	Room

Preapproved Polar Bear Dressers

Name	Shift	Room

Carcass Storage Location

Storage location	Temperature
------------------	-------------

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Carcass Delivery Capabilities

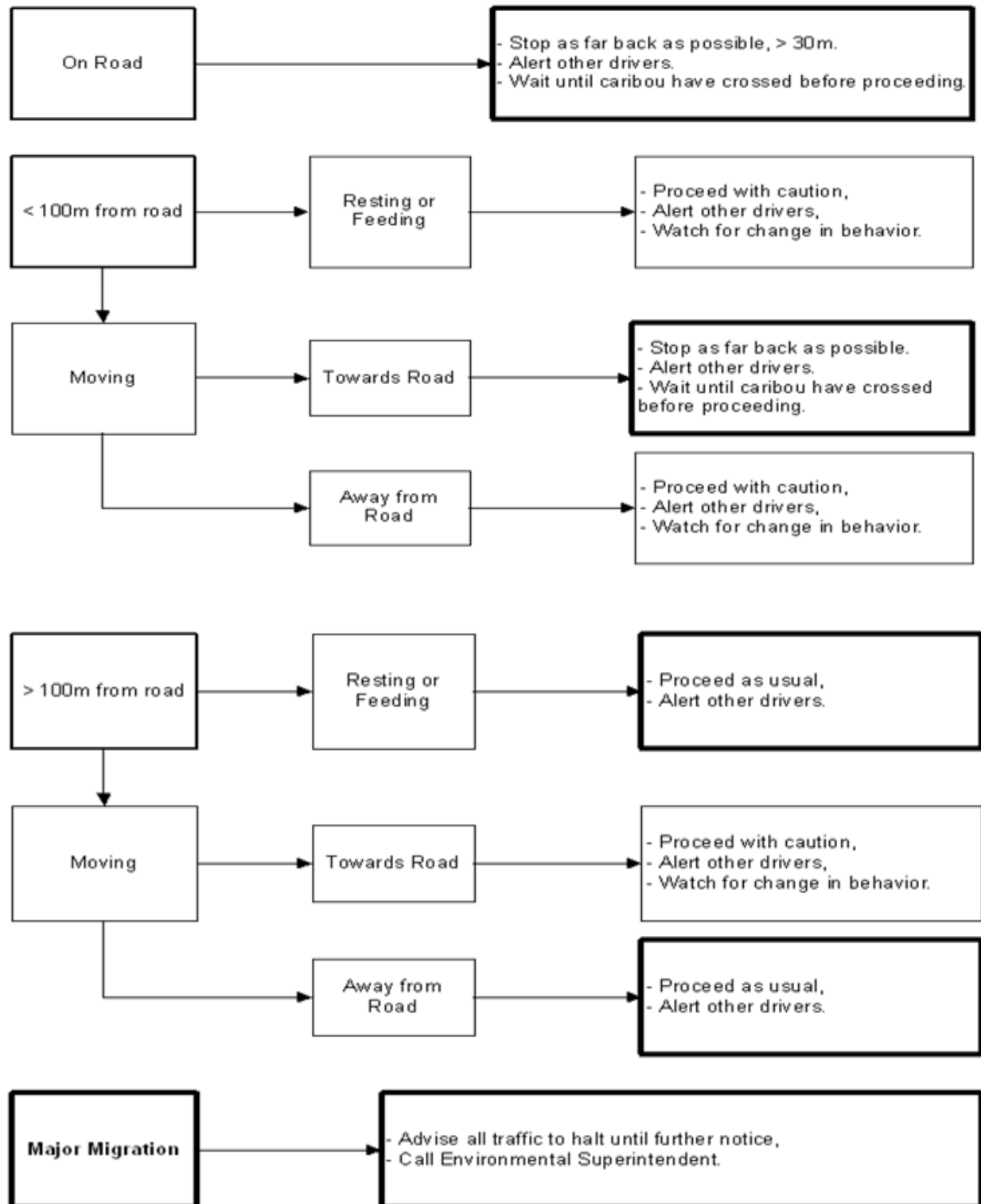
Delivery Method	Delivery Timeline


Comments:

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Appendix B

Caribou Encounters Decision Tree



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Appendix C

Mary River Active Migration Bird Surveys Protocol


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Table 1. Recommended setback distances for activity near bird nests.

Species Group	Recommended Setbacks Distances (m)	
	Pedestrian / ATV's	Roads/Construction/Industrial Activity
Songbirds	30	100
Shorebirds	50 ^a	100 ^a
Terns & Gulls	200 ^b	300 ^b
Ducks	100	150
Geese	300	500
Loons & Cranes	500	750

a For nests of American Golden Plover or Ruddy Turnstone, these setbacks should be increased to 150 m for pedestrians/ATVs and 300 m for Roads/Construction/Industrial Activities respectively. For nests of Black-bellied Plover, Whimbrel, or Red Knot, these setbacks should be increased to 300 m for pedestrians/ATVs and 500 m for Roads/Construction/Industrial Activities. If field crews are untrained in the identification of these species, then the higher setbacks should be applied for all shorebird species. In areas where several species are nesting in proximity, setbacks for the most sensitive species should be used if they are present.

b For project activities in proximity to nests of Ross's Gull these setbacks should be increased to 500 m for pedestrians/ATVs and 750 m for Roads/Construction/Industrial Activities. The draft Recovery Strategy for Ivory Gull currently identifies the area within a 2 km radius around colonies where at least one individual was observed nesting any time between 2002 and 2009 as Critical Habitat. As a precautionary approach, a 2 km setback should also be applied to any Ivory Gull nest that is encountered in an area that is not currently identified as Critical Habitat in the Recovery Strategy.

For further information, contact Baffinland's on-site Environment Team, or
Environment Canada at

Director, Prairie and Northern Region, Canadian Wildlife Service, Environment Canada

Twin Atria Building, Room 200, 4999-98 Avenue, Edmonton AB, T6B 2X3

Phone: 780-951-8850

Further information on incidental take is available on the internet (as of June 2012):

<http://www.ec.gc.ca/paom-itmb/default.asp?lang=En&n=FA4AC736-1>



Mary River Active Migratory Bird Nest Survey (AMBNS) Protocol



ALL ACTIVE BIRD NESTS ARE PROTECTED FROM DISTURBANCE

Federal government regulations protect all active migratory bird nests from disturbance and destruction. Baffinland is committed to the protection of all active bird nests and this AMBNS protocol will be used during the Mary River Project's construction and operation. From 31 May to 31 August, when disturbance (clearing) or other industrial activities occur in previously undisturbed areas, Baffinland will conduct AMBNSs and protect nests and nesting birds with no disturbance buffers around active nests. This guide provides an overview of how to conduct an AMBNS and establish appropriate no disturbance buffers.

Background

The Migratory Birds Regulations, under the Migratory Birds Convention Act (MBCA), 1994, prohibit the harming of migratory birds and the disturbance or destruction of their nests and eggs. The inadvertent destruction of nests and eggs from industrial activity is called "incidental take" and is illegal. Environment Canada, responsible for the MBCA, expects that Baffinland will exercise due diligence to avoid harm to migratory birds, their nests, eggs, and young.

To avoid conflict with nesting birds, clearing should be completed outside of the migratory bird nesting season. In the Mary River Project area, bird nesting activity can occur from 31 May to 31 August. In the event that clearing unavoidably overlaps with the breeding bird season, Baffinland will conduct Active Migratory Bird Nest Surveys (AMBNS) and establish no-disturbance buffers to reduce the likelihood of disturbing or destroying active nest.

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