

APPENDIX E.8.3

WSCC Inspection Reports

Mining

Report Reference:

Inspection #: 2019-CI-00736

OPERATOR

BAFFINLAND IRON MINES CORPORATION

300 - 2275 Upper Middle Road East

Attn: Annu Sira

Oakville, Ontario L6H 0C3

INSPECTOR

Cary.Ingram@wscc.nt.ca Phone: 1-867-920-3805 MINE

Mary River Mine Site

MINE MANAGER

Michael Anderson

Inspection Date: June 7, 2019

Accompanied By:

Role Name Phone Email/Fax

Officer/Inspector Cary Ingram 1-867-920-3805 Cary.Ingram@wscc.nt.ca

HSE Manager Shawn Stevens 1-416-757-9844

Inspection Details:

On June 14, 2019 at 09:45 I conducted an inspection of the Steam Bay complex and was accompanied by the Manager of HSE and the Mobile Maintenance Manager.

We Inspected the steaming area and the mobile maintenance in the same building.

We made the following positive observations at the time of the inspection:
001 We observed The steam bay attendants using all the correct PPE for the task

002 We observed all fire extinguishers and eyewash station that were inspected and covered.

We noted the following areas as opportunities from the inspection:

001 We observed that a set of oxygen acetylene cylinders were store against an electrical transformer

I have issued an order based on our inspection

Inspection concluded at 10:10.



Mining

Report Reference:

Inspection #: 2019-CI-00736

Order Number: 2019-CI-00736-001 Status: Open

Required Compliance Date: July 31, 2019

Sub-Location: Mary River maintenance steam bay

Observations: During our inspection of the Mary River Mobile Maintenance Steam Bay we

observed Oxygen Acetylene cylinder being store against an electrical transformer.

Order: The manager shall ensure flammable gas cylinders are stored upright and

secured and kept free from any electrical apparatus and wiring.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 10.136.

(1):

The manager shall ensure that oxygen and flammable gas cylinders are stored in an upright position in clearly identified and well ventilated storage areas that are kept free from any flammable fumes and materials, electrical apparatus and wiring, and that the stored cylinders are protected from any heat sources in

excess of 55° C. R-016-2003,s.131.



Report Reference:

Inspection #: 2019-CI-00736

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

Pursuant to section 32. (1) A person who is adversely affected by a decision or order issued by an inspector may appeal the decision or order, in writing, to the Chief Inspector within 30 days after its issue.

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Translation Requests

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Mining

Report Reference:

Inspection #: 2019-CI-00721

OPERATOR

BAFFINLAND IRON MINES CORPORATION

300 - 2275 Upper Middle Road East

Attn: Annu Sira

Oakville, Ontario L6H 0C3

INSPECTOR

Cary.Ingram@wscc.nt.ca Phone: 1-867-920-3805 MINE

Mary River Mine Site

MINE MANAGER

Michael Anderson

Inspection Date: June 14, 2019

Accompanied By:

Role Name Phone Email/Fax

Officer/Inspector Cary Ingram 1-867-920-3805 Cary.Ingram@wscc.nt.ca

Mine operation Remi Pelletier

Superintendent

Inspection Details:

On June 14, 2019 at 15:10 I conducted an inspection of the Dyno Noble Explosives Plant at the Baffinland Mary River site and was accompanied by the Superintendent of Mine Operations and the Dyno Noble Supervisor.

We Inspected the Truck shop, emulsion mixing plant, Quality assurance lab, maintenance shop.

We made the following positive observations at the time of the inspection:

001 We observed SDS binder was easily available to workers.

002 We observed the housekeeping in the plant was very good

003 The supervisor made sure to check that I was who I said I was.

We noted the following areas as opportunities from the inspection:

001 We observed that the eyewash station beside the Quality testing equipment was missing

I have issued an order based on our inspection

Inspection concluded at 16:30.



Mining

Report Reference:

Inspection #: 2019-CI-00721

Order Number: 2019-CI-00721-001 Status: Open

Required Compliance Date: July 15, 2019

Sub-Location: Dyno Noble Explosives Plant

Observations: During our observations we identified one of the eyewash stations had been

removed and not replaced

Order: Where potential of injury to the eyes the manager shall provide a portable eye

wash station.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 9.27.

(1)(b):

Where there is potential for injury by eye contact, a manager shall provide, at or near the exposure site, the appropriate hygiene facilities including portable eye

wash stations or eye wash fountains and maintained in a hygienic and working

condition.



Report Reference:

Inspection #: 2019-CI-00721

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

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Translation Requests

Mining

Report Reference:

Inspection #: 2019-CI-00729

OPERATOR

BAFFINLAND IRON MINES CORPORATION

300 - 2275 Upper Middle Road East

Attn: Annu Sira

Oakville, Ontario L6H 0C3

INSPECTOR

Cary.Ingram@wscc.nt.ca Phone: 1-867-920-3805 MINE

Mary River Mine Site

MINE MANAGER

Inspection Date: June 14, 2019

Accompanied By:

Role Name Phone Email/Fax

Officer/Inspector Cary Ingram 1-867-920-3805 Cary.Ingram@wscc.nt.ca

HSE Manager Shawn Stevens 1-416-757-9844

Inspection Details:

On June 14, 2019 at 09:05 I conducted an inspection of the Mobile Maintenance complex and was accompanied by the Manager of HSE and the Mobile Maintenance Manager.

We Inspected the tool crib, warehouse area, tire maintenance and main shop floor.

We made the following positive observations at the time of the inspection:

001 We observed all equipment that was being worked on was lock out and tagged as per the regulations

002 We observed all fire extinguishers and eyewash station that were inspected and ready for use.

003 I observed the Fountain tire representative using approved cage for changing out split ring tires.

004 We observed SDS sheet were available on the computer as well as in binder available on the floor.

We noted the following areas as opportunities from the inspection:

001 We observed that supervisors were not completing a shift log to communicate hazard to oncoming shift..

I have issued an order based on our inspection

Inspection concluded at 09:40.



Mining

Report Reference:

Inspection #: 2019-CI-00729

Order Number: 2019-CI-00729-001 Status: Open

Required Compliance Date: July 31, 2019

Sub-Location: Mary River Mobile Maintenance Shops

Observations: During our inspection we observed that the Mobile Maintenance supervisors were

not complete a shift logbook to track hazards from their shifts and pass on to

oncoming supervisors.

Order: Every shift supervisors are complete a shift logbook that logs matters affecting

health and safety, makes special notes of any matter unusual or hazardous or deficiencies found during their shift. This logbook must be reviewed and signed by the oncoming supervisor and information communicated to the employees.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 5.07.(j): Every shift boss or supervisor shall, within his or her area of responsibility and

authority, record before the end of every shift in a logbook kept for that purpose, all matters affecting health and safety, making special notes of any unusual or hazardous conditions or deficiencies found during the shift and of any remedial

actions taken; and

Section 5.07.(k): Every shift boss or supervisor shall, within his or her area of responsibility and

authority, read and countersign all reports of the previous shift and discuss any health and safety matters of concern and any unusual or hazardous conditions or deficiencies with persons under his or her control before deploying them to their

work sites.



Report Reference:

Inspection #: 2019-CI-00729

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

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Translation Requests

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Mining

Report Reference:

Inspection #: 2019-CI-00737

OPERATOR

BAFFINLAND IRON MINES CORPORATION

300 - 2275 Upper Middle Road East

Attn: Annu Sira

Oakville, Ontario L6H 0C3

INSPECTOR

Cary.Ingram@wscc.nt.ca Phone: 1-867-920-3805 MINE

Mary River Mine Site

MINE MANAGER

Michael Anderson

Inspection Date: June 14, 2019

Accompanied By:

<u>Role</u>	<u>Name</u>	<u>Phone</u>	<u>Email/Fax</u>
Officer/Inspector	Cary Ingram	1-867-920-3805	Cary.Ingram@wscc.nt.ca
HSE Manager	Shawn Stevens	1-416-757-9844	

Inspection Details:

On June 14, 2019 at 13:00 I conducted an inspection of the Mine Operations PIt and was accompanied by the Manager of HSE and the Mining Superintendent.

We Inspected the Haul roads, Blast pattern, Shovel loading area, Drilling pattern and the high walls.

We made the following positive observations at the time of the inspection:

001 We observed all berms alongside the road were bermed to 2/3 the height of the tallest tire

002 We observed the drill hole on the pattern were well marked with pylons.



Mining

Report Reference:

Inspection #: 2019-CI-00737

We noted the following areas as opportunities from the inspection:

001 We observed that the working face in front of the loading unit was more than 2 meters higher than the reach of the loading unit.

002 We observed the high wall beside the road leading up to the drill patterns did not have berms on the toe to prevent material from coming out onto the roadway.

003 We observed that the blasting pattern that was being loaded only had signage on one side of the pattern and it needed it on both sides.

004 We observed that the supervisor truck had Jerry cans in the back that were not marked with the chemical stored in them.

I have issued an orders based on our inspection

Inspection concluded at 15:00.



Mining

Report Reference:

Inspection #: 2019-CI-00737

Order Number: 2019-CI-00737-001 Status: Open

Required Compliance Date: July 31, 2019

Sub-Location: Mary River Mine operations

Observations: During our inspection we observed that the working face in front of the loading

unit was more than 2 meters above the reach of the digging unit.

Order: The manager shall ensure that the working face of an open pit mine does not

exceed 2 m higher than the reach of the loading equipment.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 1.140: Except where the working face is sloped at an angle acceptable to the chief

inspector, the height of the working face shall not be more than 2 m higher than

the reach of the loading equipment.



Mining

Report Reference:

Inspection #: 2019-CI-00737

Order Number: 2019-CI-00737-002 **Status:** Open

Required Compliance Date: July 31, 2019

Sub-Location: Mary River Mine operations

Observations: During our inspection we observed sloughing of material from a face that had the

potential to roll onto the road surface.

Order: The manager shall where material sloughing from work faces that addequate

berms are placed to protect people and equipment working below.

Legislation: Mine Health & Safety Act(Nunavut)

Section 10. (1): The manager shall take every reasonable measure and precaution to protect the

health and safety of employees and other persons at a mine.



Mining

Report Reference:

Inspection #: 2019-CI-00737

Order Number: 2019-CI-00737-003 Status: Open

Required Compliance Date: July 31, 2019

Sub-Location: Mary River mine operations

Observations: During our inspection we observed a working blast pattern did not have signage

on one of the opening to indicate the blast pattern, no smoking and no

unauthorized persons allowed.

Order: The blaster in charge shall ensure all blast patterns have necessary signs posted

to warn people.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 14.40. The blaster in charge of a blast at a surface mine shall ensure that

(a) a warning is given by siren or horn;

(b) where necessary, signs are posted to warn traffic of the impending blast and

guards are posted to stop traffic before the blast; and

(c) an all-clear signal is sounded after all danger from the blast has passed. R-026-

99,s.69.



Mining

Report Reference:

Inspection #: 2019-CI-00737

Order Number: 2019-CI-00737-004 Status: Open

Required Compliance Date: July 31, 2019

Sub-Location: Mary River Mine operations

Observations: During the inspection we observed a supervisors truck that had Jerry cans in the

back not marked to indicate the chemicals stored.

Order: The manager shall ensure all chemicals are marked as per WHMIS program.

Legislation: Mine Health & Safety Act(Nunavut)

Section 10. (1): The manager shall take every reasonable measure and precaution to protect the

health and safety of employees and other persons at a mine.



Report Reference:

Inspection #: 2019-CI-00737

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

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Mining

Report Reference:

Inspection #: 2019-CI-00740

OPERATOR

BAFFINLAND IRON MINES CORPORATION

300 - 2275 Upper Middle Road East

Attn: Annu Sira

Oakville, Ontario L6H 0C3

INSPECTOR

Cary.Ingram@wscc.nt.ca Phone: 1-867-920-3805 MINE

Mary River Mine Site

MINE MANAGER

Michael Anderson

Inspection Date: June 14, 2019

Accompanied By:

RoleNamePhoneEmail/FaxOfficer/InspectorCary Ingram1-867-920-3805Cary.Ingram@wscc.nt.ca

HSE Manager Shawn Stevens 1-416-757-9844

Inspection Details:

On June 14, 2019 at 10:15 I conducted an inspection of the Tormont shop area, I was accompanied by the Manager of HSE and the Mobile Maintenance Manager and Tormont Manager.

We Inspected the tool crib, warehouse area, hose room, main shop floor.

We made the following positive observations at the time of the inspection:

001 We observed all equipment that was being worked on was locked out and tagged.

002 We observed all fire extinguishers and eyewash station that were inspected and ready for use.

003 I observed the hose room was well maintained and all tools and equipment properly stored

004 We observed SDS sheet were available in binder for the workers to review.

We noted the following areas as opportunities from the inspection:

001 We observed that supervisors were not completing a shift log to communicate hazard to oncoming shift.

002 We observed that the storage shelves were missing some of the retainer pins to hold them in place.

I have issued an order based on our inspection

Inspection concluded at 10:35.



Mining

Report Reference:

Inspection #: 2019-CI-00740

Order Number: 2019-CI-00740-001 Status: Open

Required Compliance Date: July 31, 2019

Sub-Location: Tormont Maintenance Shop Mary River

Observations: During our inspection we observed that the Tormont supervision was not

completing a supervisor shift logbook.

Order: All supervisors at to complete a shift logbook that records all matter affecting

health and safety and makes special notes of hazardous conditions and

deficiencies found during the shift and any remedial actions taken. This logbook must be signed by the off going supervisor, on coming supervisor and there supervisor. The information in this logbook it to be communicated to the

workers coming on shift.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 5.07.(j): Every shift boss or supervisor shall, within his or her area of responsibility and

authority, record before the end of every shift in a logbook kept for that purpose, all matters affecting health and safety, making special notes of any unusual or hazardous conditions or deficiencies found during the shift and of any remedial

actions taken; and

Section 5.07.(k): Every shift boss or supervisor shall, within his or her area of responsibility and

authority, read and countersign all reports of the previous shift and discuss any health and safety matters of concern and any unusual or hazardous conditions or deficiencies with persons under his or her control before deploying them to their

work sites.



Mining

Report Reference:

Inspection #: 2019-CI-00740

Order Number: 2019-CI-00740-002 Status: Open

Required Compliance Date: July 31, 2019

Sub-Location: Tormont Maintenance shop

Observations: During our inspection we observed that some of the shelving units in the Tormont

shop did not have the needed safety devices to secure the shelving units in place.

Order: The manager shall ensure that every reasonable measure and precaution to

protect the health and safety or the employees and other persons at the mine

site.

Legislation: Mine Health & Safety Act(Nunavut)

Section 10. (1): The manager shall take every reasonable measure and precaution to protect the

health and safety of employees and other persons at a mine.



Report Reference:

Inspection #: 2019-CI-00740

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

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Translation Requests

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Mining

Report Reference:

Inspection #: 2019-CI-00741

OPERATOR

BAFFINLAND IRON MINES CORPORATION

300 - 2275 Upper Middle Road East

Attn: Annu Sira

Oakville, Ontario L6H 0C3

INSPECTOR

Cary.Ingram@wscc.nt.ca Phone: 1-867-920-3805 MINE

Mary River Mine Site

MINE MANAGER

Michael Anderson

Inspection Date: June 14, 2019

Inspection Details:

On June 14, 2019 at 10:35 I conducted an inspection of the Welding shop for Mobile Maintenance complex and was accompanied by the Mobile Maintenance Manager.

We Inspected the entire shop.

We made the following positive observations at the time of the inspection:

001 We observed all fire extinguishers and eyewash station that were inspected and ready for use.

002 We observed SDS sheet were available on the computer as well as in binder available on the floor.

003 We observed where a worker had tagged out a grind for missing the guards.

I could not find any deficiencies during this inspection.

Inspection concluded at 11:00.



Report Reference:

Inspection #: 2019-CI-00741

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

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Translation Requests

Mining

Report Reference:

Inspection #: 2019-CI-00720

OPERATOR

BAFFINLAND IRON MINES CORPORATION

300 - 2275 Upper Middle Road East

Attn: Annu Sira

Oakville, Ontario L6H 0C3

INSPECTOR

Cary.Ingram@wscc.nt.ca Phone: 1-867-920-3805 MINE

Mary River Mine Site

MINE MANAGER

Inspection Date: June 15, 2019

Accompanied By:

Role	<u>Name</u>	<u>Phone</u>	<u>Email/Fax</u>
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Officer/Inspector Cary Ingram 1-867-920-3805 Cary.Ingram@wscc.nt.ca

HSE Manager Shawn Stevens 1-416-757-9844

Inspection Details:

On June 15, 2019 at 15:08 I conducted an inspection of the Batch Plant Maintenance area and was accompanied by the Manager of HSE and the Maintenance Supervisor.

We Inspected the Maintenance area, Lunchroom and Maintenance shop.

We made the following positive observations at the time of the inspection:

001 We observed all fire extinguishers and eyewash station that were inspected and ready for use.

002 We observed SDS sheet were available in a binder available on the maintenance floor.

We noted the following areas as opportunities from the inspection:

001 We observed a propane tank that needed to be stored and secured so as no to create a hazard.

I have issued an order based on the inspection

Inspection concluded at 15:30.



Mining

Report Reference:

Inspection #: 2019-CI-00720

Order Number: 2019-CI-00720-001 Status: Open

Required Compliance Date: June 30, 2019

Sub-Location: Batch Plant Maintenance Shop

Observations: During our inspection we observed a couple propane tanks that were not stored in

a secure place to prevent damage.

Order: The manager shall ensure flammable gas cylinders are stored in the upright

position, clearly identified, and stored in a well ventilated area away from electrical apparatus and wiring and away from any heat source in excess of 55

degrees Celsius.

(1):

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 10.136. The manager shall ensure that oxygen and flammable gas cylinders are stored in

an upright position in clearly identified and well ventilated storage areas that are kept free from any flammable fumes and materials, electrical apparatus and

wiring, and that the stored cylinders are protected from any heat sources in

excess of 55° C. R-016-2003,s.131.



Report Reference:

Inspection #: 2019-CI-00720

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

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Translation Requests

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Mining

Report Reference:

Inspection #: 2019-CI-00719

OPERATOR

BAFFINLAND IRON MINES CORPORATION

300 - 2275 Upper Middle Road East

Attn: Annu Sira

Oakville, Ontario L6H 0C3

INSPECTOR

Cary.Ingram@wscc.nt.ca Phone: 1-867-920-3805 MINE

Mary River Mine Site

MINE MANAGER

Michael Anderson

Inspection Date: June 15, 2019

Accompanied By:

Role Name Phone Email/Fax

Officer/Inspector Cary Ingram 1-867-920-3805 Cary.Ingram@wscc.nt.ca

HSE Manager Shawn Stevens 1-416-757-9844

Inspection Details:

On June 15, 2019 at 15:35 I conducted an inspection of the 380 Camp at the Milne Port and was accompanied by the Manager of HSE, HSE Coordinator and the Horizon Camp Supervisor.

We Inspected the New tent camp rooms being constructed, dinning hall, main entrance way, and the open tents that are not fully constructed yet

We made the following positive observations at the time of the inspection:

001 We observed all emergency exits had stairs installed for easy exit.

002 We observed the main hallways were clear of any hazards.

003 We observed the dining hall was very clean and well designed for easy access in and out.

We noted the following areas as opportunities from the inspection:

001 We observed there were some area that had tripping hazards from cardboard boxes and wiring.



Mining

Report Reference:

Inspection #: 2019-CI-00719

I have issued an order based on our inspection

Inspection concluded at 16:00.



Mining

Report Reference:

Inspection #: 2019-CI-00719

Order Number: 2019-CI-00719-001 Status: Open

Required Compliance Date: July 15, 2019

Sub-Location: 380 Horizon camp

(1)(a):

Observations: There were areas at the 380 camp that were under construction, that had

cardboard boxes waiting for disposal as well as electrical wiring that were creating

tripping hazard.

Order: The manager shall ensure that inspections of the workplace are conducted and

hazards that could endanger persons or property are immediately actioned.

Legislation: Mine Health & Safety Act(Nunavut)

Section 27. Where an inspector is of the opinion that a delay in remedying a hazard would

endanger persons or property, the inspector shall issue a written order to the

manager requiring the taking of immediate remedial action; or



Report Reference:

Inspection #: 2019-CI-00719

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

Pursuant to section 32. (1) A person who is adversely affected by a decision or order issued by an inspector may appeal the decision or order, in writing, to the Chief Inspector within 30 days after its issue.

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Translation Requests

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Mining

Report Reference:

Inspection #: 2019-CI-00730

OPERATOR

BAFFINLAND IRON MINES CORPORATION

300 - 2275 Upper Middle Road East

Attn: Annu Sira

Oakville, Ontario L6H 0C3

INSPECTOR

Cary.Ingram@wscc.nt.ca Phone: 1-867-920-3805 MINE

Mary River Mine Site

MINE MANAGER

Inspection Date: June 15, 2019

Accompanied By:

Role Name Phone Email/Fax

Officer/Inspector Cary Ingram 1-867-920-3805 Cary.Ingram@wscc.nt.ca

ERT Coordinator Steve Janknegt

Inspection Details:

On June 15, 2019 at 10:10 I conducted an inspection of the Port Emergency Response Building and was accompanied by the Manager of HSE and the ERT Coordinator.

We Inspected the storage room, main ERT bays, SCBA compressor room and office

We made the following positive observations at the time of the inspection:

001 We observed Trucks were ready for use with no fluid leaks in the bays

002 We observed all fire extinguishers and eyewash station had been were inspected and ready for use.

003 We observed all turnout gear was hung up and stored properly.

004 We observed all SCBA cylinder were within their certified for use.

We noted the following areas as opportunities from the inspection:

001 We observed that there were no rope logs for the rescue rope

002 We observed that the SCBA recharge station did not have the most up to date inspection certificate.

002 We observed that 2 turnout jackets were out of date and waiting replacement.

I have issued orders based on our inspection

Inspection concluded at 10:45.



Mining

Report Reference:

Inspection #: 2019-CI-00730

Order Number: 2019-CI-00730-001 Status: Open

Required Compliance Date: July 31, 2019

Sub-Location: Milne Port ERT Station

Observations: During the inspection we observed that the rescue ropes do no have logbooks to

indicate the last inspection and use of the ropes

Order: The manager shall appoint a person who is qualified in mine rescue to maintain

the mine rescue equipment in good and serviceable condition at all times

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 8.53. (1): The manager shall appoint a person who is qualified in mine rescue instruction to

be responsible to maintain the mine rescue equipment in good and serviceable

condition at all times and to train mine rescue teams.



Mining

Report Reference:

Inspection #: 2019-CI-00730

Order Number: 2019-CI-00730-002 Status: Open

Required Compliance Date: July 31, 2019

Sub-Location: Milne Port ERT Station

Observations: During our inspection we noticed that the annual inspection certificate for the

SCBA recharge station had expired.

Order: The manager shall appoint a person qualified in mine rescue to maintain mine

rescue equipment in good and serviceable condition at all times.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 8.53. (1): The manager shall appoint a person who is qualified in mine rescue instruction to

be responsible to maintain the mine rescue equipment in good and serviceable

condition at all times and to train mine rescue teams.



Mining

Report Reference:

Inspection #: 2019-CI-00730

Order Number: 2019-CI-00730-003 Status: Open

Required Compliance Date: July 31, 2019

Observations: During our inspection we noticed that there were two pair of turn out gear that

had gone beyond there service life.

Order: The manager shall appoint a person qualified in mine rescue to maintain mine

rescue equipment in good and serviceable condition at all times.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 8.53. (1): The manager shall appoint a person who is qualified in mine rescue instruction to

be responsible to maintain the mine rescue equipment in good and serviceable

condition at all times and to train mine rescue teams.



Report Reference:

Inspection #: 2019-CI-00730

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

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Mining

Report Reference:

Inspection #: 2019-CI-00731

OPERATOR

BAFFINLAND IRON MINES CORPORATION

300 - 2275 Upper Middle Road East

Attn: Annu Sira

Oakville, Ontario L6H 0C3

INSPECTOR

Cary.Ingram@wscc.nt.ca Phone: 1-867-920-3805 MINE

Mary River Mine Site

MINE MANAGER

Inspection Date: June 15, 2019

Accompanied By:

RoleNamePhoneEmail/FaxOfficer/InspectorCary Ingram1-867-920-3805Cary.Ingram@wscc.nt.ca

HSE Manager Shawn Stevens 1-416-757-9844

Inspection Details:

On June 15, 2019 at 13:05 I conducted an inspection of the Mobile Maintenance complex at the Milne Port and was accompanied by the Manager of HSE, Maintenance Supervisor and the Mobile Maintenance Manager.

We Inspected the East and west service bay towers, main shop maintenance shop, and Tormont Dome.

We made the following positive observations at the time of the inspection:

001 We observed all equipment that was being worked on was lock out and tagged as per the regulations

002 We observed all fire extinguishers and eyewash station that were inspected and ready for use.

003 We observed in the Tormont dome all shelving was secured with locking pins in place

004 We observed SDS sheet were available in binders and available in all buildings.

005 We observed the overhead crane had been labeled with the current inspection date.

We noted the following areas as opportunities from the inspection:

001 We observed there was a chain fall missing the retainer latch for the hook

I have issued an order based on our inspection

Inspection concluded at 14:15.



Mining

Report Reference:

Inspection #: 2019-CI-00731

Order Number: 2019-CI-00731-001 Status: Open

Required Compliance Date: July 31, 2019

Sub-Location: Milne Port Mobile Maintenance

(4):

Observations: During our inspection we noted that one of the chainfalls used for lift was missing

the safety latch used to secure a load to the hook.

Order: All lifting devices shall be maintained by a qualified person so that it does not

endanger the safety of workers.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 10.126. A lifting device, pulling device or utility hoist and its support or anchorage system

shall be maintained by a qualified person so that it does not endanger the safety

of workers. R-016-2003,s.124.



Report Reference:

Inspection #: 2019-CI-00731

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

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Mining

Report Reference:

Inspection #: 2019-CI-00732

OPERATOR

BAFFINLAND IRON MINES CORPORATION

300 - 2275 Upper Middle Road East

Attn: Annu Sira

Oakville, Ontario L6H 0C3

INSPECTOR

Cary.Ingram@wscc.nt.ca Phone: 1-867-920-3805 MINE

Mary River Mine Site

MINE MANAGER

Inspection Date: June 15, 2019

Accompanied By:

RoleNamePhoneEmail/FaxOfficer/InspectorCary Ingram1-867-920-3805Cary.Ingram@wscc.nt.ca

HSE Manager Shawn Stevens 1-416-757-9844

Inspection Details:

On June 15, 2019 at 11:20 I conducted an inspection of the Qamanittuaq Sana and was accompanied by the Manager of HSE, Hatch Safety, Sana Safety and other Sana and Hatch Supervision.

We Inspected the Sana Crusher, and the quarry drilling and blasting operations.

We made the following positive observations at the time of the inspection:

001 We observed all fencing and signage in place to keep people out from under the belts and crusher areas

002 We observed all Oxygen Acytelene unit had flash arrestors.

003 We observed the walking area around the stacker had been cleaned up to prevent tripping hazards.

004 We observed workers wear the needed respirators because of the dust.

We noted the following areas as opportunities from the inspection:

001 We observed that supervisor assigned to look after the drilling and blast activities did not have the required Shift Boss ticket needed to supervise the work activities

002 We observed that 3 head pulleys on the belt lines did not have the required guarding.

I have issued an order based on our inspection

Inspection concluded at 12:10.



Mining

Report Reference:

Inspection #: 2019-CI-00732

Order Number: 2019-CI-00732-001 Status: Open

Required Compliance Date: July 31, 2019

Sub-Location: Sana Contracting Quarry

Observations: During our inspection of the Quarry at the Milne Port we observed the person

supervising the work did not have then needed Shift Boss Certification to

supervise the Drilling and Blasting activities.

Order: The manager shall ensure that every person working in a open pit mine is under

the supervision of the holder of an open pit shift boss certificate when drilling

and blasting is being done.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 5.02.

Subject to subsection (2), the manager shall ensure that every person working in (1)(b):

the mining activity of an open pit mine is under the supervision of the holder of an

open pit shift boss certificate, in any other case.



Mining

Report Reference:

Inspection #: 2019-CI-00732

Order Number: 2019-CI-00732-002 Status: Open

Required Compliance Date: August 31, 2019

Sub-Location: Milne Port Crusher

(3):

Observations: During our inspection we observed that there were several head pulleys that were

not effectively guarded.

Order: The manager shall ensure that all accessible head, tail, drive and tension pulleys

of a conveyor shall be effectively guarded.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 10.118. All accessible head, tail, drive and tension pulleys of a conveyor shall be effectively

guarded at their nip points and the guards shall extend for a distance of at least 1

m from the nip point.



Report Reference:

Inspection #: 2019-CI-00732

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

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Mining

Report Reference:

Inspection #: 2019-CI-00733

OPERATOR

BAFFINLAND IRON MINES CORPORATION

300 - 2275 Upper Middle Road East

Attn: Annu Sira

Oakville, Ontario L6H 0C3

INSPECTOR

Cary.Ingram@wscc.nt.ca Phone: 1-867-920-3805 MINE

Mary River Mine Site

MINE MANAGER

Inspection Date: June 15, 2019

Accompanied By:

<u>Role</u> <u>Name</u> <u>Phone</u> <u>Email/Fax</u>

Officer/Inspector Cary Ingram 1-867-920-3805 Cary.Ingram@wscc.nt.ca

HSE Manager Shawn Stevens 1-416-757-9844

Inspection Details:

On June 15, 2019 at 14:20 I conducted an inspection of the Ship Loader area, Ore stockpiles and was accompanied by the Manager of HSE and the Ship Loader Supervisor.

We Inspected the lunchroom, offices, welding area, lay down area and one ship loader.

We made the following positive observations at the time of the inspection:

001 We observed the offices and lunchroom were being well maintained and the tag in process was working.

002 We observed all fire extinguishers were inspected and ready for use.

We noted the following areas as opportunities from the inspection:

001 We observed one drill press was missing the vice that secures to the table to hold material while drilling.

002 We observed one eyewash station was missing in the welding area.

I have issued orders based on our inspection

Inspection concluded at 14:55.



Mining

Report Reference:

Inspection #: 2019-CI-00733

Order Number: 2019-CI-00733-001 Status: Open

Required Compliance Date: July 31, 2019

Sub-Location: Milne Port Ship Loader

Observations: During our inspection we observed a drill press that did not have the material vice

secured to the table of the drill.

Order: Where it is necessary to remove a guard or fence from equipment the

equipment shall be locked out until the guard or fence can be replaced.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 10.20: Where it is necessary to remove a guard or fence from equipment,

(a) the equipment shall be stopped and locked out; and

(b) all guards or fences removed shall be replaced before the lock-out system is

removed and the equipment is started.



Mining

Report Reference:

Inspection #: 2019-CI-00733

Order Number: 2019-CI-00733-002 Status: Open

Required Compliance Date: July 31, 2019

Sub-Location: Milne Port ship loader welding area

Observations: During our inspection we observed that there was an eyewash station missing

from the welding area.

Order: All first aid equipment, supplies and facilities shall be kept clean, dry and ready

for use.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 8.38: To provide for the proper treatment and transportation of persons who may be

injured at work, the owner shall supply and make readily accessible to employees, as a minimum, the first aid equipment, supplies, facilities and services specified by

this Division.



Report Reference:

Inspection #: 2019-CI-00733

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

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Mining

Report Reference:

Inspection #: 2019-CI-00728

OPERATOR

BAFFINLAND IRON MINES CORPORATION

300 - 2275 Upper Middle Road East

Attn: Annu Sira

Oakville, Ontario L6H 0C3

INSPECTOR

Cary.lngram@wscc.nt.ca Phone: 1-867-920-3805 MINE

Mary River Mine Site

MINE MANAGER

Inspection Date: June 16, 2019

Accompanied By:

Role Name Phone Email/Fax

Officer/Inspector Cary Ingram 1-867-920-3805 Cary.Ingram@wscc.nt.ca

HSE Coordinator Michael Casey

Inspection Details:

On June 16, 2019 at 10:10 I conducted an inspection of the Mary River Warehouse and was accompanied by the HSE Coordinator and the Warehouse Supervisor.

We Inspected the main warehouse, lunchroom and office area.

We made the following positive observations at the time of the inspection:

001 We observed all fire extinguishers and eyewash station that were inspected and ready for use.

002 We observed SDS sheet were available in binders available on the floor.

003 We observed that all shelves were marked with the load rating on each shelf

We noted the following areas as opportunities from the inspection:

001 We observed some of the shelving units did not have retainer pins installed

I have issued an order based on our inspection

Inspection concluded at 11:40.



Mining

Report Reference:

Inspection #: 2019-CI-00728

Order Number: 2019-CI-00728-001 Status: Open

Required Compliance Date: July 31, 2019

Sub-Location: Mary River Warehouse

Observations: During our inspection we observed that some of the storage shelving units did not

have the safety retainers in the shelving

Order: The manager shall ensure the storage shelving units are erected as per the

manufactures requirements

Legislation: Mine Health & Safety Act(Nunavut)

Section 10. (1): The manager shall take every reasonable measure and precaution to protect the

health and safety of employees and other persons at a mine.



Report Reference:

Inspection #: 2019-CI-00728

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

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Mining

Report Reference:

Inspection #: 2019-CI-00722

OPERATOR

BAFFINLAND IRON MINES CORPORATION

300 - 2275 Upper Middle Road East

Attn: Annu Sira

Oakville, Ontario L6H 0C3

INSPECTOR

Cary.Ingram@wscc.nt.ca Phone: 1-867-920-3805 MINE

Mary River Mine Site

MINE MANAGER

Michael Anderson

Inspection Date: June 16, 2019

Accompanied By:

Role Name Phone Email/Fax

Officer/Inspector Cary Ingram 1-867-920-3805 Cary.Ingram@wscc.nt.ca

ERT Coordinator Steve Janknegt

Inspection Details:

On June 16, 2019 at 07:00 I conducted an inspection of the Mine Operations ERT Station and was accompanied by the Emergency Response Coordinator.

We Inspected the storage room, main office and the bays that hold the emergency response vehicles.

We made the following positive observations at the time of the inspection:

001 We observed all turnout gear was in compliance with the regulations

002 We observed all trucks were well equipped and stocked with equipment in the cabinets

003 We observed the SCBA recharge station needed the certificates to show the annual inspection compliance

We noted the following areas as opportunities from the inspection:

001 We observed there were no rope logs for the rescue ropes.

002 We observed that the certificate for the compressor was out of date

I have issued an order based on our inspection

Inspection concluded at 09:30.



Mining

Report Reference:

Inspection #: 2019-CI-00722

Order Number: 2019-CI-00722-001 Status: Open

Required Compliance Date: July 31, 2019

Sub-Location: Mary River Mine ERT Station

Observations: During the inspection we observed that the rescue ropes do not have logs to

indicating the inspections and usage of the rope

Order: The manager shall appoint a person who is qualified in mine rescue to maintain

the mine rescue equipment in good and serviceable condition at all times.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 8.53. (1): The manager shall appoint a person who is qualified in mine rescue instruction to

be responsible to maintain the mine rescue equipment in good and serviceable

condition at all times and to train mine rescue teams.



Mining

Report Reference:

Inspection #: 2019-CI-00722

Order Number: 2019-CI-00722-002 Status: Open

Required Compliance Date: July 31, 2019

Sub-Location: Mary River ERT Station

Observations: During our inspection we noticed that the annual inspection certificate for the

SCBA recharge station had expired.

Order: The manager shall appoint a person qualified in mine rescue to maintain mine

rescue equipment in good and serviceable condition at all times.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 8.53. (1): The manager shall appoint a person who is qualified in mine rescue instruction to

be responsible to maintain the mine rescue equipment in good and serviceable

condition at all times and to train mine rescue teams.



Report Reference:

Inspection #: 2019-CI-00722

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

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Translation Requests

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Mining

Report Reference:

Inspection #: 2019-CI-00724

OPERATOR

BAFFINLAND IRON MINES CORPORATION

300 - 2275 Upper Middle Road East

Attn: Annu Sira

Oakville, Ontario L6H 0C3

INSPECTOR

Cary.Ingram@wscc.nt.ca Phone: 1-867-920-3805 MINE

Mary River Mine Site

MINE MANAGER

Inspection Date: June 16, 2019

Accompanied By:

Role Name Phone Email/Fax

Officer/Inspector Cary Ingram 1-867-920-3805 Cary.Ingram@wscc.nt.ca

HSE Coodinator Michael Casey

Inspection Details:

On June 16, 2019 at 15:36 I conducted an inspection of the Mary River Powder Magazines and was accompanied by the HSE Coordinator, Dyno Noble Supervisor and BIM.

We Inspected the Booster Magazine and the Detonation Cord Magazine.

We made the following positive observations at the time of the inspection:

001 We observed the signs and gate were posted.

002 We observed the floors in the magazines were clean and free of debris

003 We observed the powder truck had the placards showing while transporting product.

We noted the following areas as opportunities from the inspection:

001 We observed that the counts for 5 product out 11 counts taken were not correct.

002 We observed that magazine number PQ0482 was missing it's magazines license.

I have issued orders based on our inspection

Inspection concluded at 16:50.



Mining

Report Reference:

Inspection #: 2019-CI-00724

Order Number: 2019-CI-00724-001 Status: Open

Required Compliance Date: July 31, 2019

Sub-Location: Mary River Powder Magazines

Observations: During our inspection of the magazines we did a count of product and found that

the counts for 5 of the 11 product counted were not accurate. There was mistakes from the previous 2 days in the booster magazine that caused the numbers to be incorrect and incorrect accounting of product in the destination cord magazine.

There was no missing product from the magazines.

Order: Each magazine at a mine site shall have a logbook that keeps record of all

explosives issued and received and of the inventory of the magazine.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 14.08.

(1)(b):

Each magazine shall be operated and maintained in accordance with the following rules: at a mine, a record shall be kept of all explosives issued and received and

the inventory of the surface magazine in a logbook, and all entries shall be signed

by the authorized person;



Mining

Report Reference:

Inspection #: 2019-CI-00724

Order Number: 2019-CI-00724-002 Status: Open

Required Compliance Date: July 31, 2019

Sub-Location: Mary River explosives magazine

Observations: During our inspection we observed that explosives magazine PQ0482 did not have

the permit posted inside the magazine the product was stored above the

maximum fill line inside the magazine.

Order: The manager shall ensure that a copy of the explosives magazine permit is

posted inside the magazine and that it meets the requirements of the regulations and standards made under the Explosives Act (Canada).

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 14.02.(c): The manager shall ensure that a copy of the explosives magazine permit is posted

inside the magazine; and

Section The manager shall ensure that the magazine meets the requirements of

14.02.(d): regulations and standards made under the Explosives Act (Canada), as amended

from time to time.



Report Reference:

Inspection #: 2019-CI-00724

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

Pursuant to section 32. (1) A person who is adversely affected by a decision or order issued by an inspector may appeal the decision or order, in writing, to the Chief Inspector within 30 days after its issue.

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Mining

Report Reference:

Inspection #: 2019-CI-00727

OPERATOR

BAFFINLAND IRON MINES CORPORATION

300 - 2275 Upper Middle Road East

Attn: Annu Sira

Oakville, Ontario L6H 0C3

INSPECTOR

Cary.Ingram@wscc.nt.ca Phone: 1-867-920-3805 MINE

Mary River Mine Site

MINE MANAGER

Inspection Date: June 16, 2019

Accompanied By:

<u>Role</u> <u>Name</u> <u>Phone</u> <u>Email/Fax</u>

Officer/Inspector Cary Ingram 1-867-920-3805 Cary.Ingram@wscc.nt.ca

HSE Manager Shawn Stevens 1-416-757-9844

Inspection Details:

On June 16, 2019 at 14:15 I conducted an inspection of the Mary River Ore Crushing area and was accompanied by the Manager of HSE, HSE Coordinator, Ore Handling Superintendent and Ore Handling Supervisor.

We Inspected the Ore crushing Maintenance shop, Crushers A, B, C and D and all feeder conveyors stacking ore for shipment to the port.

We made the following positive observations at the time of the inspection:

001 We observed all oxygen/acytelene tanks were secured and using flash back arrestors

002 We observed the lunchroom was being cleaned.

004 We observed SDS sheet were available in a binder available on the shop floor.

We noted the following areas as opportunities from the inspection:

001 We observed there were a couple damaged slings that needed to be destroyed

002 We observed that there was a bottom right handrail support missing on a set of stairs for Crusher A

I have issued orders based on our inspection

Inspection concluded at 15:10.



Mining

Report Reference:

Inspection #: 2019-CI-00727

Order Number: 2019-CI-00727-001 Status: Open

Required Compliance Date: July 31, 2019

Sub-Location: Mary River Ore Crusher

Observations: During our inspection of the Ore Crusher maintenance area we observed an angle

grinder that had the trigger lock operational.

Order: Any lifting device used for lifting or pulling of a load or to support or used as an

anchor shall be in good condition and appropriate for its use.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 10.126.1: The manager, in consultation with the Committee, shall develop a procedure for

the safe operation of slushers that addresses the following:

(a) all slusher blocks shall be equipped with functional safety latches that will prevent the block from flying off of the eyebolt or cable bolt when put under load;

(b) all slushers shall be equipped with a cable back lash guard;

(c) when there is more than one person working in the same area, an appropriate

signaling system must be employed;

(d) the air supply or electrical power source to a slusher must be shut off before

anyone is allowed to proceed into the slusher area;

(e) when a slusher cable crosses a travel way, barricades must be installed 5 m on both sides of the cable to prevent inadvertent access into the slusher area when

the slusher is in operation. R-016-2003,s.125.



Mining

Report Reference:

Inspection #: 2019-CI-00727

Order Number: 2019-CI-00727-002 Status: Open

Required Compliance Date: July 31, 2019

Sub-Location: Mary River Ore Crusher

Observations: During our inspection we observed a stair case used to access a conveyor belt

system that was missing the bottom right support for the handrail.

Order: A stairway shall provide a handrail of adequate strength for its purpose.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 1.97.(d): A stairway shall be provided with handrails of adequate strength not less than 910

mm and not more than 1.07 m in height above the treads of the stairs.



Report Reference:

Inspection #: 2019-CI-00727

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

Pursuant to section 32. (1) A person who is adversely affected by a decision or order issued by an inspector may appeal the decision or order, in writing, to the Chief Inspector within 30 days after its issue.

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Mining

Report Reference:

Inspection #: 2019-CI-00735

OPERATOR

BAFFINLAND IRON MINES CORPORATION

300 - 2275 Upper Middle Road East

Attn: Annu Sira

Oakville, Ontario L6H 0C3

INSPECTOR

Cary.Ingram@wscc.nt.ca Phone: 1-867-920-3805 MINE

Mary River Mine Site

MINE MANAGER

Michael Anderson

Inspection Date: June 16, 2019

Accompanied By:

Role Name Phone Email/Fax

Officer/Inspector Cary Ingram 1-867-920-3805 Cary.Ingram@wscc.nt.ca

HSE Coordinator Michael Casey

Inspection Details:

On June 16, 2019 at 11:50, I conducted an inspection of the Mary River Site Services Maintenance building and was accompanied by an HSE Coordinator and the Site Services Supervisor.

We Inspected the Maintenance building, Tool crib, and several Sea cans outside the Site Services Building.

We made the following positive observations at the time of the inspection:

001 We observed wheel chocks under all vehicles

002 We observed SDS sheet were available in binder available on the shop floor.



Mining

Report Reference:

Inspection #: 2019-CI-00735

We noted the following areas as opportunities from the inspection:

001 We observed that there was no way to access one of the emergency exits in the maintenance shop because there was no stairs to access the doorway.

002 We observed a damaged sling in the main shop

003 We observed the eyewash station in the shop had not been inspected to ensure it was safe to use.

004 We observed a couple Jerry cans that were not marked with the chemicals stored in them

005 We observed several propane tanks sitting behind a jersey barrier that needed to be stored in an area where they can be secured and protected from heat or flame.

I have issued orders based on our inspection

Inspection concluded at 12:20.



Mining

Report Reference:

Inspection #: 2019-CI-00735

Order Number: 2019-CI-00735-001 **Status:** Open

Required Compliance Date: July 31, 2019

Sub-Location: Mary River Mine Services Maintenance building

Observations: During our inspection we observed that one of the emergency exits in the Site

Services building did not have access stair to be able to enter or exit the building.

Order: The manager shall ensure that emergency exits remain accessible to facilitate

emergency response.

Legislation: Mine Health & Safety Act(Nunavut)

Section 10. (1): The manager shall take every reasonable measure and precaution to protect the

health and safety of employees and other persons at a mine.



Mining

Report Reference:

Inspection #: 2019-CI-00735

Order Number: 2019-CI-00735-002 Status: Open

Required Compliance Date: July 31, 2019

Sub-Location: Mary River site services maintenance building

Observations: During our inspection we observed that one of the eyewash was not maintained

and ready for use.

Order: All first aid equipment, supplies and facilities shall be kept clean, dry and ready

for use.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 8.38: To provide for the proper treatment and transportation of persons who may be

injured at work, the owner shall supply and make readily accessible to employees, as a minimum, the first aid equipment, supplies, facilities and services specified by

this Division.



Mining

Report Reference:

Inspection #: 2019-CI-00735

Order Number: 2019-CI-00735-003 Status: Open

Required Compliance Date: July 31, 2019

Sub-Location: Mary River site services maintenance building

Observations: During our inspection we observed that there were damaged slings still in use in

the shop.

Order: The manager shall prepare a procedure for the examination of the general

condition of equipment, tools, and protective equipment and devices.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 1.159. The manager shall prepare a procedure for the examination of worksites that

(1)(c): provides for examination of the general condition of equipment, tools and

protective equipment and devices;



Mining

Report Reference:

Inspection #: 2019-CI-00735

Order Number: 2019-CI-00735-004 Status: Open

Required Compliance Date: July 31, 2019

Sub-Location: Mary River site service maintenance shop

Observations: During our inspection we observed Jerry cans that had chemical stored that were

not marked.

Order: Where chemicals are stored suitable protection and labeling is required.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 8.08: Where there may be a hazard to an employee because of contact with harmful

chemicals or with vibratory equipment, suitable protection shall be provided. R-

016-2003,s.71.



Mining

Report Reference:

Inspection #: 2019-CI-00735

Order Number: 2019-CI-00735-005 **Status:** Open

Required Compliance Date: July 31, 2019

Sub-Location: Mary River site services maintenance shop

Observations: During our inspection we observed propane tanks that were not adequately

secured and protected.

Order: The manager shall ensure that propane cylinders are properly store in a secure

and upright position and clearly identified

Legislation: Mine Health & Safety Regulations(Nunavut)

(1):

Section 10.136. The manager shall ensure that oxygen and flammable gas cylinders are stored in

an upright position in clearly identified and well ventilated storage areas that are kept free from any flammable fumes and materials, electrical apparatus and

wiring, and that the stored cylinders are protected from any heat sources in

excess of 55° C. R-016-2003,s.131.



Report Reference:

Inspection #: 2019-CI-00735

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

Pursuant to section 32. (1) A person who is adversely affected by a decision or order issued by an inspector may appeal the decision or order, in writing, to the Chief Inspector within 30 days after its issue.

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Mining

Report Reference:

Inspection #: 2019-CI-00723

OPERATOR

BAFFINLAND IRON MINES CORPORATION

300 - 2275 Upper Middle Road East

Attn: Annu Sira

Oakville, Ontario L6H 0C3

INSPECTOR

Cary.Ingram@wscc.nt.ca Phone: 1-867-920-3805 MINE

Mary River Mine Site

MINE MANAGER

Inspection Date: June 17, 2019

Accompanied By:

<u>Role</u>	<u>Name</u>	<u>Phone</u>	<u>Email/Fax</u>
-------------	-------------	--------------	------------------

Officer/Inspector Cary Ingram 1-867-920-3805 Cary.Ingram@wscc.nt.ca

HSE Manager Shawn Stevens 1-416-757-9844

Inspection Details:

On June 17, 2019 at 09:00 I conducted an inspection of the at the Baffinland Iron Ore, Mary River, office complex and was accompanied by the Manager of HSE and the Training Superintendent and training coordinators.

We Inspected the training files, competency documents and Mine Supervisor crossover logbook.

We made the following positive observations at the time of the inspection:

001 We observed the new competency document that are being created better reflecting the evaluation of competency for employees

002 We observed equipment simulators are being used but could be utilized more.

We noted the following areas as opportunities from the inspection:

001 We observed that supervisors had not complete the shift logbook from the previous day or night shift and had missed recording the hazard of to high a dig face on June 14, 2019

I have issued orders based on our inspection

Inspection concluded at 09:52.



Mining

Report Reference:

Inspection #: 2019-CI-00723

Order Number: 2019-CI-00723-001 **Status:** Open

Required Compliance Date: July 31, 2019

Sub-Location: General Mary River

Observations: During our inspections we identified the Maintenance and Tormont supervisors

were not completing a shift log.

Order: Every supervisor shall, within his or her area of responsibility and authority

record before the end of every shift in a logbook kept for that purpose, all matters affecting health and safety, making special notes of any unusual or hazardous conditions or deficiencies found during the shift and of any remedial actions taken. This logbook must be signed and countersigned by the on coming

shift and discuss the deficiencies with the oncoming shift.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 5.07.(j): Every shift boss or supervisor shall, within his or her area of responsibility and

authority, record before the end of every shift in a logbook kept for that purpose, all matters affecting health and safety, making special notes of any unusual or hazardous conditions or deficiencies found during the shift and of any remedial

actions taken; and

Section 5.07.(k): Every shift boss or supervisor shall, within his or her area of responsibility and

authority, read and countersign all reports of the previous shift and discuss any health and safety matters of concern and any unusual or hazardous conditions or deficiencies with persons under his or her control before deploying them to their

work sites.



Mining

Report Reference:

Inspection #: 2019-CI-00723



Report Reference:

Inspection #: 2019-CI-00723

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

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Mining

Report Reference:

Inspection #: 2019-VM-01280

OPERATOR

BAFFINLAND IRON MINES CORPORATION 2275 Upper Middle Road East Suite 300 Oakville, Ontario L6H 0C3

INSPECTOR

Viktor Mubili

MINE

Mary River Mine Site – **Milne Crusher Area MINE MANAGER**Sylvain Proulx

Inspection Date: July 31, 2019

Inspection Details:

An annual inspection of the electrical facilities at the Baffinland Milne Port Crusher Area and Ore Stockpile respectively was carried out on July 31, 2019. Present on the inspection visit were Shaun Forestall (WSCC Electrical Consultant), Tim Kane (Commissioning Manager), Darryl Finlay (Hatch H&S Coordinator), Harold Audet (Hatch Power & Distribution Superintendent) and Darren Gardiner (Hatch H&S Officer).

There were no concerns observed with PPE and fire extinguishers.

Some concerns were identified and orders issued:

- 001 The whole area is very untidy;
- 002 Improper identification on several cables leaving generator shack, with some labeled in French;
- 003 Improperly supported cables leaving the generator shack and running along the conveyor system;
- 004 No height and voltage signage on cables running overhead from seacan to upper conveyor area;
- 005 Inadequately identified Emergency Stop Pull Cord, and impeded access; and
- 006 No signage or labels for stopping conveyor in an emergency on several Ore Stockpile conveyors.



Mining

Report Reference:

Inspection #: 2019-VM-01280

Order Number: 2019-VM-01280-001 Status: Open

Required Compliance Date: December 05, 2019

Contractor: QIKIQTAALUK SANA LTD

Sub-Location: Sana Crusher Area

Section 13.01.

Observations: The whole area is very untidy.

Order: Ensure all materials and equipment are properly stored and put away, to keep

workers safe. Major housekeeping required.

CEC Rule 2-314 Accessibility for maintenance (see Appendix G)

Passageways and working space around electrical equipment shall not be used for storage and shall be kept clear of obstruction and arranged to give authorized

persons ready access to all parts requiring attention.

Legislation: Mine Health & Safety Regulations(Nunavut)

(2):

electrical equipment shall meet or exceed the requirements of CSA Standard

Except where otherwise required by these regulations, the electrical system and



Mining

Report Reference:

Inspection #: 2019-VM-01280

Order Number: 2019-VM-01280-002 Status: Open

Required Compliance Date: December 16, 2019

Contractor: QIKIQTAALUK SANA LTD

Sub-Location: Sana Crusher Area

Observations: There were several cables without proper identification leaving the generator

shack. Some were labeled but only in French.

Order: Ensure all cables are labeled in English, to meet site requirements.

M421-16 4.2.7 Notices to workers Where a hazard exists from inadvertent access to or interference with electrical apparatus, durable notice signs of sufficient size shall be effectively posted and a) prohibit unauthorized personnel from handling or interfering with electrical apparatus; b) warn of danger and indicate the highest

voltage in use.

CEC Rule 2-300 General requirements for maintenance and operation 1) All operating electrical equipment shall be kept in safe and proper working condition

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 13.01.

(2):

Except where otherwise required by these regulations, the electrical system and electrical equipment shall meet or exceed the requirements of CSA Standard



Mining

Report Reference:

Inspection #: 2019-VM-01280

Order Number: 2019-VM-01280-003 Status: Open

Required Compliance Date: December 16, 2019

Contractor: QIKIQTAALUK SANA LTD

Sub-Location: Sana Crusher Area

Observations: Cables leaving the generator shack and cables run along the conveyor system

were found not supported properly.

Order: Use proper cable supports like cable tray, cable rings etc to make the install

safer.

CEC Rule 12-618 and Rule 12-510 armoured cable must be strapped within 300mm of a box and at intervals of 1.5M. Also see **12-120 Supporting of**

conductors (see Appendix B) 1) 4)

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 13.01. Exce

(2):

Except where otherwise required by these regulations, the electrical system and electrical equipment shall meet or exceed the requirements of CSA Standard



Mining

Report Reference:

Inspection #: 2019-VM-01280

Order Number: 2019-VM-01280-004 Status: Open

Required Compliance Date: December 16, 2019

Contractor: QIKIQTAALUK SANA LTD

Sub-Location: Sana Crusher Area

Observations: Cables run overhead from seacan to upper conveyor area have no signage

indicating height of cables and the highest voltage of the cables.

Order: Install flagging and signs indicating the height of the lowest point of the cable as

well as the highest voltage in the cables. Ensure cables are identified so vehicle

operators do not hit them or flag the area as "No Vehicles Allowed".

(CMHSR) 13.01. (1) The electrical system and electrical equipment at a mine shall be (a) designed in accordance with good engineering practice; and (b) constructed in accordance with a design and plans that have been certified by a professional

engineer.

(2) Except where otherwise required by these regulations, the electrical system and electrical equipment shall meet or exceed the requirements of CSA Standard

CAN/CSA-M421-93, Use of Electricity in Mines

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 13.01. The electrical system and electrical equipment at a mine shall be

(a) designed in accordance with good engineering practice; and

(b) constructed in accordance with a design and plans that have been certified by

a professional engineer.

Section 13.01.

(1):

Except where otherwise required by these regulations, the electrical system and (2):

electrical equipment shall meet or exceed the requirements of CSA Standard



Mining

Report Reference:

Inspection #: 2019-VM-01280

Order Number: 2019-VM-01280-005 Status: Open

Required Compliance Date: December 05, 2019

Contractor: QIKIQTAALUK SANA LTD

Sub-Location: Sana Crusher Area

Observations: The Emergency Stop Pull Cord is not identified adequately. Access is also impeded

by other cables and old fencing.

Order: Install better and more signage on the Pull Cord. Ensure cables and fencing are

relocated to give easy and safe access to the Pull Cord where required.

M421-16 4.2.7 Notices to workers Where a hazard exists from inadvertent access to or interference with electrical apparatus, durable notice signs of sufficient size shall be effectively posted and a) prohibit unauthorized personnel from handling or interfering with electrical apparatus; b) warn of danger and indicate the highest

voltage in use.

M421-16 7.8.5.1

Conveyors that start automatically shall have warning signs posted at each access point indicating that the conveyor is subject to automatic start. The conveyorcontrol system shall incorporate a prestart warning circuit that sounds an audible

alarm throughout the length of the conveyor(s).

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 13.01.

Except where otherwise required by these regulations, the electrical system and (2):

electrical equipment shall meet or exceed the requirements of CSA Standard



Mining

Report Reference:

Inspection #: 2019-VM-01280

Order Number: 2019-VM-01280-006 **Status:** Open

Required Compliance Date: December 05, 2019

Sub-Location: Ore Stockpile

Observations: The area has several conveyors that have an Emergency Stop Pull Cord. There is

no signage or labels that indicate how to stop conveyor in an emergency.

Order: Add signage on the cord to indicate its purpose and what to do in an emergency.

M421-16 4.2.7 Notices to workers Where a hazard exists from inadvertent access to or interference with electrical apparatus, durable notice signs of sufficient size shall be effectively posted and a) prohibit unauthorized personnel from handling or interfering with electrical apparatus; b) warn of danger and indicate the highest

voltage in use.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 13.01.

(2):

Except where otherwise required by these regulations, the electrical system and electrical equipment shall meet or exceed the requirements of CSA Standard



Report Reference:

Inspection #: 2019-VM-01280

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

Pursuant to section 32. (1) A person who is adversely affected by a decision or order issued by an inspector may appeal the decision or order, in writing, to the Chief Inspector within 30 days after its issue.

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Mining

Report Reference:

Inspection #: 2019-VM-01308

OPERATOR

BAFFINLAND IRON MINES CORPORATION 2275 Upper Middle Road East Suite 300 Oakville, Ontario L6H 0C3

INSPECTOR

Viktor Mubili

MINE

Mary River Mine Site - **Milne Port Camp MINE MANAGER**Sylvain Proulx

Inspection Date: July 31, 2019

Inspection Details:

An annual inspection of the electrical facilities at the **Milne Port Camp** Area was conducted on July 31, 2019. Present for the inspection were Shaun Forestall (WSCC Electrical Consultant), Tim Kane (Commissioning Manager), Darryl Finlay (Hatch H&S Coordinator), Harold Audet (Hatch Power & Distribution Superintendent), Darren Gardiner (Hatch H&S Officer) and Jake Anderson (Horizon Electrical Lead).

There were no concerns observed with housekeeping at the Main Camp.

Some concerns were identified and orders issued:

- 001 Installed ground electrodes not protected from vehicular traffic at Horizon New Camp;
- 002 No inspection report available on several small lift station devices at Horizon New Camp;
- 003 Seacan by Horizon Camp laydown had uncovered receptacle with damaged cords plugged into it;
- 004 Adjacent to Horizon Camp were a generator skid, transformer and seacans with unused cables;
- 005 No single line diagram, panel directories and equipment identification at Camp power seacan;
- 006 Fire alarm system was not commissioned at time of the inspection;
- 007 No fire stop system at penetrations along Horizon Camp corridor; and
- 008 Several troubles found on fire alarm panel at the Main Camp/Offices/Kitchen.



Mining

Report Reference:

Inspection #: 2019-VM-01308

Order Number: 2019-VM-01308-001 Status: Open

Required Compliance Date: December 06, 2019

Contractor: HORIZON NORTH CAMP & CATERING PARTNERSHIP

Sub-Location: Horizon New Camp Area

Observations: There are ground electrodes installed that are not protected from vehicular

traffic.

(2):

Order: Rope off or install a "Jersey" barrier or reflective pylon to ensure vehicular

traffic does not hit the electrodes.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 13.01. Except where otherwise required by these regulations, the electrical system and

electrical equipment shall meet or exceed the requirements of CSA Standard



Mining

Report Reference:

Inspection #: 2019-VM-01308

Order Number: 2019-VM-01308-002 Status: Open

Required Compliance Date: December 16, 2019

Contractor: HORIZON NORTH CAMP & CATERING PARTNERSHIP

Sub-Location: Horizon New Camp Area

Observations: Several small lift station devices around the camp have a field certification sticker

but there was no inspection report available.

Order: Provide a copy of the SPE-1000 report to confirm the units are CSA/ULC

certified.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 13.01. The electrical system and electrical equipment at a mine shall be

(1): (a) designed in accordance with good engineering practice; and

(b) constructed in accordance with a design and plans that have been certified by

a professional engineer.



Mining

Report Reference:

Inspection #: 2019-VM-01308

Order Number: 2019-VM-01308-003 **Status:** Open

Required Compliance Date: December 06, 2019

Contractor: HORIZON NORTH CAMP & CATERING PARTNERSHIP

Sub-Location: Horizon New Camp Area

(2):

Observations: Near the camp laydown area is a 20ft seacan with a receptacle installed in it.

Receptacle doesn't have a cover. Cords plugged into it are damaged as well.

Order: Install the proper cover and repair or replace the cords.

CEC Rule 2-300 General requirements for maintenance and operation

1) All operating electrical equipment shall be kept in safe and proper working condition. **CEC Rule 2-202 Guarding of bare live parts** 1) Bare live parts shall be guarded against

accidental contact by means of suitable enclosures.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 13.01. Except where otherwise required by these regulations, the electrical system and

electrical equipment shall meet or exceed the requirements of CSA Standard



Mining

Report Reference:

Inspection #: 2019-VM-01308

Order Number: 2019-VM-01308-004 **Status:** Open

Required Compliance Date: December 06, 2019

Contractor: HORIZON NORTH CAMP & CATERING PARTNERSHIP

Sub-Location: Horizon New Camp Area

(2):

Observations: Adjacent to the new Horizon Camp is a generator skid, transformer and some sea

cans and there are several cables run between these. Some cables are being used

and others are not.

Order: Remove cables not being used. Clean up area and route used cables properly.

Identify cables properly as well.

CEC Rule 12-114 the ends of insulated cables that are not in use shall be insulated

in the same manner as a splice.

M421-16 4.2.4.1 Damaged or out-of-service wiring shall be disconnected from its source of power. Wiring left in place shall be identified as out of service and shall

have its bare conductors guarded.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 13.01. Except where otherwise required by these regulations, the electrical system and

electrical equipment shall meet or exceed the requirements of CSA Standard



Mining

Report Reference:

Inspection #: 2019-VM-01308

Order Number: 2019-VM-01308-005 Status: Open

Required Compliance Date: December 16, 2019

Contractor: HORIZON NORTH CAMP & CATERING PARTNERSHIP

Sub-Location: Horizon New Camp Area

Observations: Main Power House seacan does not have a single line diagram posted. Panel

directories are missing and equipment identification not done.

Order: This is a work in progress, it must be ensured that all equipment is properly

identified.

M421-16 4.2.1.1

Each mine in which electricity is used shall have a plan or single-line diagram showing the

a) relative location of all fixed electrical distribution equipment;

b) routes, properly noted and referenced, of all fixed power distribution feeders; and

c) rating of all fixed electrical distribution equipment.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 13.01. The electrical system and electrical equipment at a mine shall be

(1): (a) designed in accordance with good engineering practice; and

(b) constructed in accordance with a design and plans that have been certified by

a professional engineer.

Section 13.01.

Except where otherwise required by these regulations, the electrical system and (2):

electrical equipment shall meet or exceed the requirements of CSA Standard



Mining

Report Reference:

Inspection #: 2019-VM-01308

Order Number: 2019-VM-01308-006 **Status:** Open

Required Compliance Date: December 16, 2019

Contractor: HORIZON NORTH CAMP & CATERING PARTNERSHIP

Sub-Location: Horizon New Camp Area

Observations: Fire alarm system was not commissioned at the time of the inspection.

Order: Continue with the fire watch until the panel has its verification inspection

completed.

M421-165.4.2.1 Fire-protection equipment

Fire alarm and fire-extinguishing equipment shall meet the requirements of Clause 4.2.6, except for locations where fighting a fire is an unacceptable hazard, in which case

a) an automatic fire-suppression system shall be provided; and

b) signs instructing employees how to proceed in the event of a fire shall be posted at all

points of access to the area.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 13.01. Except where otherwise required by these regulations, the electrical system and electrical equipment shall meet or exceed the requirements of CSA Standard



Mining

Report Reference:

Inspection #: 2019-VM-01308

Order Number: 2019-VM-01308-007 Status: Open

Required Compliance Date: December 18, 2019

Contractor: HORIZON NORTH CAMP & CATERING PARTNERSHIP

Sub-Location: Horizon New Camp Area

Observations: There are penetrations along the camp corridor that require a fire stop system.

Order: This is a work in progress so it must be ensured that proper fire stop is used

when the project is complete.

CEC Rule 2-128 Fire spread (see Appendices B and G) 1) Electrical installations shall be made so that the probability of spread of fire through fire stopped partitions, floors, hollow spaces, firewalls or fire partitions, vertical shafts, or

ventilating or air conditioning ducts is reduced to a minimum.

2) Where a fire separation is pierced by a raceway or cable, any openings around the raceway or cable shall be properly closed or sealed in compliance with the

National Building Code of Canada.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 13.01. The electrical system and electrical equipment at a mine shall be

(a) designed in accordance with good engineering practice; and

(b) constructed in accordance with a design and plans that have been certified by

a professional engineer.

Section 13.01.

(1):

(2):

electrical equipment shall meet or exceed the requirements of CSA Standard CAN/CSA M421-93, Use of Electricity in Mines.

Except where otherwise required by these regulations, the electrical system and



Mining

Report Reference:

Inspection #: 2019-VM-01308

Order Number: 2019-VM-01308-008 Status: Open

Required Compliance Date: December 16, 2019

Sub-Location: Main Camp/Offices/Kitchen

Observations: The fire alarm panel has several troubles on it. Some devices are opened and

devices bypassed. Seasonal moisture is the probable cause of the troubles.

Order: Ensure that the panel is functional and all devices are in service after the

conditions dry up.

CEC Rule 2-300 General requirements for maintenance and operation

1) All operating electrical equipment shall be kept in safe and proper working condition.

2) Electrical equipment maintained for emergency service shall be periodically inspected

and tested as necessary to ensure its fitness for service.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 13.01. Except where otherwise required by these regulations, the electrical system and (2):

electrical equipment shall meet or exceed the requirements of CSA Standard



Report Reference:

Inspection #: 2019-VM-01308

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

Pursuant to section 32. (1) A person who is adversely affected by a decision or order issued by an inspector may appeal the decision or order, in writing, to the Chief Inspector within 30 days after its issue.

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	Employer Representative	Signature	
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Report Reference:

Inspection #: 2019-VM-01310

OPERATOR

BAFFINLAND IRON MINES CORPORATION 2275 Upper Middle Road East Suite 300 Oakville, Ontario L6H 0C3

INSPECTOR

Viktor Mubili

MINE

Mary River Mine Site - Milne Port Power MINE MANAGER
Sylvain Proulx

Inspection Date: July 31, 2019

Inspection Details:

An annual electrical inspection was carried out at the Milne Port Power facilities. Present on the inspection visit were Shaun Forestall (WSCC Electrical Consultant), Tim Kane (Commissioning Manager), Darryl Finlay (Hatch H&S Coordinator), Harold Audet (Hatch Power & Distribution Superintendent) and Richard Houser (Acting Electrical Supervisor).

There were no concerns observed with housekeeping generally.

Some concerns were identified and orders issued:

- 001 Inspection stickers at Ship Loader E-House were found falling off;
- 002 No equipment and cable identification at Ship Loader E-House;
- 003 Out of date sapphire system inspection tags found at Ship Loader E-House;
- 004 Exit light found not working at Main Power House; and
- 005 Main Power House ground cluster inspection sticker found out of date.



Mining

Report Reference:

Inspection #: 2019-VM-01310

Order Number:

2019-VM-01310-001

Status:

Open

Required Compliance Date: December 05, 2019

Sub-Location:

Ship Loader E House

Observations:

There are inspection stickers that are falling off. These stickers are proof that the

equipment has been inspected and that the ground fault relays are working as

intended.

Order:

Re-attach stickers where required.

Legislation:

Mine Health & Safety Regulations(Nunavut)

Section 13.01.

(2):

Except where otherwise required by these regulations, the electrical system and electrical equipment shall meet or exceed the requirements of CSA Standard



Report Reference:

Inspection #: 2019-VM-01310

Order Number:

2019-VM-01310-002

Status:

Open

Required Compliance Date: December 17, 2019

Sub-Location:

Ship Loader E House

Observations:

There are disconnect switches that require equipment and cable identification.

Order:

Identify all equipment and cables as required.

M421-16 4.2.7 Notices to workers. Where a hazard exists from inadvertent access to or interference with electrical apparatus, durable notice signs of sufficient size shall be effectively posted and a) prohibit unauthorized personnel from handling or interfering with electrical apparatus; b) warn of danger and indicate the highest voltage in use.

Legislation:

Mine Health & Safety Regulations(Nunavut)

Section 13.01.

(2):

Except where otherwise required by these regulations, the electrical system and

electrical equipment shall meet or exceed the requirements of CSA Standard



Report Reference:

Inspection #: 2019-VM-01310

Order Number:

2019-VM-01310-003

Status:

Open

Required Compliance Date: December 06, 2019

Sub-Location:

Ship Loader E House

Observations:

The sapphire system inspection tags are out of date. One gauge shows an over

charge.

Order:

Ensure that inspection and servicing is done on the system ASAP.

CEC Rule 2-300 General requirements for maintenance and operation

All operating electrical equipment shall be kept in safe and proper working condition.
 Electrical equipment maintained for emergency service shall be periodically inspected

and tested as necessary to ensure its fitness for service.

Legislation:

Mine Health & Safety Regulations(Nunavut)

Section 13.01.

The electrical system and electrical equipment at a mine shall be (a) designed in accordance with good engineering practice; and

(1):

(b) constructed in accordance with a design and plans that have been certified by

a professional engineer.

Section 13.01.

(2):

Except where otherwise required by these regulations, the electrical system and electrical equipment shall meet or exceed the requirements of CSA Standard

Report Reference:

Inspection #: 2019-VM-01310

Order Number:

2019-VM-01310-004

Status:

Open

Required Compliance Date: December 06, 2019

Sub-Location:

Main Power House

Observations:

There is an exit light that is not working.

Order:

Repair or replace the defective exit light.

CEC Rule 2-300 General requirements for maintenance and operation

All operating electrical equipment shall be kept in safe and proper working condition.
 Electrical equipment maintained for emergency service shall be periodically inspected

and tested as necessary to ensure its fitness for service.

Legislation:

Mine Health & Safety Regulations(Nunavut)

Section 13.01.

(2):

Except where otherwise required by these regulations, the electrical system and

electrical equipment shall meet or exceed the requirements of CSA Standard



Report Reference:

Inspection #: 2019-VM-01310

Order Number:

2019-VM-01310-005

Status:

Open

Required Compliance Date: December 06, 2019

Sub-Location:

Main Power House

Observations:

Ground cluster inspection sticker was out of date. This was taken out of service at

the time of inspection.

Order:

Ensure all life safety equipment is inspected regularly and is functional.

M421-16 Annex D, M-421-16 4.10, CEC Rule 2-300, ASTM Standard F496 Clause 7.1 All safety equipment must be inspected and stored as per the manufacturer's instructions. This includes but is not limited to hot sticks, ground clusters, arc flash gear, hot gloves.

Legislation:

Mine Health & Safety Regulations(Nunavut)

Section 13.01.

(2):

Except where otherwise required by these regulations, the electrical system and

electrical equipment shall meet or exceed the requirements of CSA Standard



Report Reference:

Inspection #: 2019-VM-01310

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

Pursuant to section 32. (1) A person who is adversely affected by a decision or order issued by an inspector may appeal the decision or order, in writing, to the Chief Inspector within 30 days after its issue.

Please return a signed copy of this page as confirmation of receipt.

Received By:

Employer Representative

Signature

Viktor Mubili

Inspector Signature

Translation Requests

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Mining

Report Reference:

Inspection #: 2019-VM-01303

OPERATOR

BAFFINLAND IRON MINES CORPORATION 2275 Upper Middle Road East Suite 300 Oakville, Ontario L6H 0C3

INSPECTOR

Viktor Mubili

MINE

Mary River Mine Site - **Milne Maintenance MINE MANAGER** Sylvain Proulx

Inspection Date: July 31, 2019

Inspection Details:

An annual electrical inspection was conducted at the **Milne Port Maintenance** facilities. Present for the inspection tour were Shaun Forestall (WSCC Electrical Consultant), Tim Kane (Commissioning Manager), Darryl Finlay (Hatch H&S Coordinator), Harold Audet (Hatch Power & Distribution Superintendent), Adam Bowerman (Maintenance Supervisor) and Darren Gardiner (Hatch H&S Officer).

There were no concerns observed with PPE.

Some concerns were observed and orders issued:

- 001 Area in front of electrical equipment cluttered and panel access blocked at Truck Shop;
- 002 Receptacle box found very loose and ready to come off metal siding at Truck Shop;
- 003 Ground plate being used as the system ground at exterior of Truck Shop;
- 004 Teck cable at Truck Shop entrance needing more strapping;
- 005 Unused Teck cable found taped up with red tape at Truck Shop;
- 006 Panel cover in the Truck Shop office area missing some screws;
- 007 Exit light still with protective covering on it at the Welding Shop;
- 008 Disconnect for pressure washer found with improperly installed SOW cable at Toromont Shop;
- 009 Open ended Teck cable labeled Adco Shop found laying on ground outside in the yard; and
- 010 Several cables near E House 3 on berm with vehicles access.



Mining

Report Reference:

Inspection #: 2019-VM-01303

Order Number: 2019-VM-01303-001 Status: Open

Required Compliance Date: December 05, 2019

Sub-Location: Milne Port Truck Shop

Observations: The area in front of electrical equipment is cluttered, blocking access to panels

and disconnects.

Order: Ensure there is a 1 meter clearance in front of all electrical equipment.

CEC Rule 2-308 Working space around electrical equipment (see Appendix B) 1) A minimum working space of 1 m with secure footing shall be provided and

maintained about electrical equipment that

a) contains renewable parts, disconnecting means, or operating means.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 13.01.

(2):

Except where otherwise required by these regulations, the electrical system and

electrical equipment shall meet or exceed the requirements of CSA Standard



Mining

Report Reference:

Inspection #: 2019-VM-01303

Order Number: 2019-VM-01303-002 Status: Open

Required Compliance Date: December 05, 2019

Sub-Location: Milne Port Truck Shop

(2):

Observations: There is a receptacle box that is very loose and is ready to come off the metal

siding.

Order: Reattach the box and make safe.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 13.01. Except where otherwise required by these regulations, the electrical system and

electrical equipment shall meet or exceed the requirements of CSA Standard



Mining

Report Reference:

Inspection #: 2019-VM-01303

Order Number: 2019-VM-01303-003 **Status:** Open

Required Compliance Date: December 05, 2019

Sub-Location: Milne Port Truck Shop

Observations: On the exterior of the truck shop there is a ground plate that is being used as the

system ground.

Order: Ensure the plate and its cable is buried to avoid a trip hazard and to meet CEC.

36-302 Station ground electrode (see Appendix B)

1) Every outdoor station shall be grounded by means of a station ground electrode

that shall meet the requirements of Rule 36-304

M421-16 13.01. (1) The electrical system and electrical equipment at a mine shall be

(a) designed in accordance with good engineering practice; and

(b) constructed in accordance with a design and plans that have been certified by a

professional engineer.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 13.01.

(2):

Except where otherwise required by these regulations, the electrical system and electrical equipment shall meet or exceed the requirements of CSA Standard



Mining

Report Reference:

Inspection #: 2019-VM-01303

Order Number: 2019-VM-01303-004 Status: Open

Required Compliance Date: December 16, 2019

Sub-Location: Milne Port Truck Shop

Observations: There is a Teck cable at the entrance that needs more strapping.

Order: Add straps to meet CEC.

CEC Rule 12-618 and 12-510 armoured cable must be strapped within 300mm of a

box and at intervals of 1.5M.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 13.01.

Except where otherwise required by these regulations, the electrical system and electrical equipment shall meet or exceed the requirements of CSA Standard (2):



Mining

Report Reference:

Inspection #: 2019-VM-01303

Order Number: 2019-VM-01303-005 Status: Open

Required Compliance Date: December 05, 2019

Sub-Location: Milne Port Truck Shop

Observations: There is an unused Teck cable that is taped up with red tape.

Order: Remove Teck cable from service or have a junction box installed.

CEC Rule 12-114 The ends of insulated cables that are not in use shall be insulated

in the same manner as a splice.

CEC Rule 2-202 Guarding of bare live parts 1) Bare live parts shall be guarded against accidental contact by means of suitable enclosures except where the bare live parts are 3) Entrances to rooms and other guarded locations containing

exposed bare live parts shall be marked with conspicuous warning signs forbidding

entry to unqualified persons.

M421-16 4.2.4.1 Damaged or out-of-service wiring shall be disconnected from its source of power. Wiring left in place shall be identified as out of service and shall

have its bare conductors guarded.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 13.01.

(2):

Except where otherwise required by these regulations, the electrical system and

electrical equipment shall meet or exceed the requirements of CSA Standard



Mining

Report Reference:

Inspection #: 2019-VM-01303

Order Number: 2019-VM-01303-006 Status: Open

Required Compliance Date: December 05, 2019

Sub-Location: Milne Port Truck Shop

Observations: There is a panel cover in the office area that is missing some screws.

Order: Replace the missing screws in the panel cover.

CEC Rule 2-300 General requirements for maintenance and operation

1) All operating electrical equipment shall be kept in safe and proper working

condition.

Mine Health & Safety Regulations(Nunavut) Legislation:

Section 13.01.

Except where otherwise required by these regulations, the electrical system and (2):

electrical equipment shall meet or exceed the requirements of CSA Standard



Mining

Report Reference:

Inspection #: 2019-VM-01303

Order Number: 2019-VM-01303-007 Status: Open

Required Compliance Date: December 05, 2019

Sub-Location: Welding Shop

Observations: There is an exit light that still has the protective covering on it.

Order: Remove the plastic covering so the exit light functions as intended.

CEC Rule 46-400 Exit signs (see Appendices B and G) **CEC Rule 46-300 Unit equipment** (see Appendix B)

CEC Rule 2-300 General requirements for maintenance and operation

1) All operating electrical equipment shall be kept in safe and proper working condition.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 13.01.

(2):

Except where otherwise required by these regulations, the electrical system and electrical equipment shall meet or exceed the requirements of CSA Standard



Mining

Report Reference:

Inspection #: 2019-VM-01303

Order Number: 2019-VM-01303-008 **Status:** Open

Required Compliance Date: December 16, 2019

Contractor: TOROMONT ARCTIC LIMITED

Sub-Location: Toromont Shop

Observations: The disconnect for the pressure washer has an SOW cable that is not installed

properly.

Order: Install the cable properly with the proper connector.

CEC Rule 12-3022 Entrance of cables into boxes, cabinets, and fittings

1) Where cables pass through the walls of boxes, cabinets, or fittings, provision

shall be made to

a) protect the insulation on the conductors from damage;

b) protect terminal connections from external strain;

c) provide electrical continuity between a metal box, cabinet, or fitting and

conduit, armour, or metal sheathing of cables, whether or not the armour or

metal sheathing is to be used as a bonding conductor;

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 13.01.

(2):

Except where otherwise required by these regulations, the electrical system and

electrical equipment shall meet or exceed the requirements of CSA Standard



Mining

Report Reference:

Inspection #: 2019-VM-01303

Order Number: 2019-VM-01303-009 Status: Open

Required Compliance Date: December 05, 2019

Sub-Location: Outside in the yard

Observations: There is an open ended Teck cable labeled Adco Shop laying on the ground.

Order: Remove Teck cable or properly guard, isolate, tag and lock out.

CEC Rule 12-114 The ends of insulated cables that are not in use shall be insulated

in the same manner as a splice.

CEC Rule 2-202 Guarding of bare live parts 1) Bare live parts shall be guarded against accidental contact by means of suitable enclosures except where the bare live parts are 3) Entrances to rooms and other guarded locations containing

exposed bare live parts shall be marked with conspicuous warning signs forbidding

entry to unqualified persons.

M421-16 4.2.4.1 Damaged or out-of-service wiring shall be disconnected from its source of power. Wiring left in place shall be identified as out of service and shall

have its bare conductors guarded.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 13.01.

(2):

Except where otherwise required by these regulations, the electrical system and

electrical equipment shall meet or exceed the requirements of CSA Standard



Mining

Report Reference:

Inspection #: 2019-VM-01303

Order Number: 2019-VM-01303-010 Status: Open

Required Compliance Date: December 05, 2019

Sub-Location: Outside in the yard

(2):

Observations: Near E House 3 there are several cables on a berm where vehicles have access.

Order: Add large rocks, barricade, fencing or other suitable means and post warning

signs to prevent vehicles from running over the cables.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 13.01. Except where otherwise required by these regulations, the electrical system and

electrical equipment shall meet or exceed the requirements of CSA Standard



Report Reference:

Inspection #: 2019-VM-01303

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

Pursuant to section 32. (1) A person who is adversely affected by a decision or order issued by an inspector may appeal the decision or order, in writing, to the Chief Inspector within 30 days after its issue.

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Report Reference:

Inspection #: 2019-VM-01311

OPERATOR

BAFFINLAND IRON MINES CORPORATION 2275 Upper Middle Road East Suite 300 Oakville, Ontario L6H 0C3

INSPECTOR

Viktor Mubili

MINE

Mary River Mine Site - Mary River Site MINE MANAGER Sylvain Proulx

Inspection Date: August 1, 2019

Inspection Details:

An annual inspection of the electrical facilities at the **Mary River Site** was carried out on August 1, 2019. Present on the inspection tour were Shaun Forestall (WSCC Electrical Consultant), Harold Audet (Hatch Power & Distribution Superintendent) and Jeff Harris (Senior Supervisor).

There were no concerns observed with shelf load carrying capacity labels, and the New Truck Shop looked nicely constructed with quality workmanship.

Some concerns were observed and orders issued:

- 001 Power panels not labeled properly, and several cables not identified at the Water Treatment Plant;
- 002 15A receptacles not protected by a GFCI at the Water Treatment Plant:
- 003 General poor housekeeping at the Water Treatment Plant;
- 004 Teck cable affecting egress and could be subject to damage at the Water Treatment Plant;
- 005 Several open ended Teck cables on the exterior of building at the New Truck Shop;
- 006 Powerhouse panel 4750-PNL-005A missing panel directory at the New Truck Shop; and
- 007 Broken receptacle in the Camp Parking Lot.



Mining

Report Reference:

Inspection #: 2019-VM-01311

Order Number:

2019-VM-01311-001

Status:

Open

Required Compliance Date: December 17, 2019

Sub-Location:

Water Treatment Plant

Observations:

The temporary power panel (and others) is not labeled properly. There are several

cables that are not identified.

Order:

Ensure all panels and cables are labeled as required.

M421-16 4.3.3.5 Identification of cables

Each cable assembly operating at a voltage exceeding 300 V shall be provided with a visible means of

identifying the equipment to which it is connected, or other means shall be established in

accordance with the mine's safety procedures.

M421-16 4.2.7 Notices to workers

Where a hazard exists from inadvertent access to or interference with electrical apparatus, durable

notice signs of sufficient size shall be effectively posted and CEC Rule 2-100 Marking of equipment (see Appendix B)

1) Each piece of electrical equipment shall bear those of the following markings necessary to identify

the equipment and ensure that it is suitable for the particular installation.

Legislation:

Mine Health & Safety Regulations(Nunavut)

Section 13.01.

(2):

Except where otherwise required by these regulations, the electrical system and

electrical equipment shall meet or exceed the requirements of CSA Standard



Report Reference:

Inspection #: 2019-VM-01311

Order Number:

2019-VM-01311-002

Status:

Open

Required Compliance Date: December 06, 2019

Sub-Location:

Water Treatment Plant

Observations:

The 15A receptacles near the polymer tanks are not protected by a ground fault

circuit interrupter (GFCI).

Order:

Install GFCI protection for the receptacles.

CEC Rule 26-704 Protection of receptacles by a ground fault circuit interrupter of the Class A type (see Appendix B) Receptacles having CSA configuration 5-15R or 5-20R installed within 1.5 m of sinks (wash basins complete with a drainpipe), bathtubs, or shower stalls shall be protected by a ground

fault circuit interrupter of the Class A type.

Legislation:

Mine Health & Safety Regulations(Nunavut)

Section 13.01.

The electrical system and electrical equipment at a mine shall be (a) designed in accordance with good engineering practice; and

(1):

(b) constructed in accordance with a design and plans that have been certified by

a professional engineer.

Section 13.01.

(2):

Except where otherwise required by these regulations, the electrical system and

electrical equipment shall meet or exceed the requirements of CSA Standard



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Report Reference:

Inspection #: 2019-VM-01311

Order Number:

2019-VM-01311-003

Status:

Open

Required Compliance Date: December 16, 2019

Sub-Location:

Water Treatment Plant

Observations:

General housekeeping and cable clean up required.

Order:

Store all equipment and materials properly. Strap cables with proper cable

straps and or larger ty-wraps.

CEC Rule 2-314 Accessibility for maintenance (see Appendix G)

Passageways and working space around electrical equipment shall not be used for storage and shall be kept clear of obstruction and arranged to give authorized persons ready

access to all parts requiring attention.

Legislation:

Mine Health & Safety Regulations(Nunavut)

Section 13.01.

(2):

Except where otherwise required by these regulations, the electrical system and electrical equipment shall meet or exceed the requirements of CSA Standard

CAN/CSA M421-93, Use of Electricity in Mines.

Section 9.04:

The manager shall develop and implement an effective housekeeping program to

ensure that

(a) all work sites and travelways are maintained in a safe condition;

(b) materials and equipment are stored in a manner so as not to endanger

persons; and

(c) appropriate action is taken whenever necessary to maintain a hazard-free

environment.



Report Reference:

Inspection #: 2019-VM-01311

Order Number:

2019-VM-01311-004

Status:

Open

Required Compliance Date: December 06, 2019

Sub-Location:

Water Treatment Plant

Observations:

Teck cable near the entrance is affecting egress and could be subject to damage.

Order:

Remove Teck cable and store at a proper location.

CEC Rule 2-310 Entrance to, and exit from, working space (see Appendices B and G)

1) Each room containing electrical equipment and each working space around equipment shall have

unobstructed means of egress in compliance with the National Building Code of Canada.

Legislation:

Mine Health & Safety Regulations(Nunavut)

Section 13.01.

(2):

Except where otherwise required by these regulations, the electrical system and

electrical equipment shall meet or exceed the requirements of CSA Standard



Report Reference:

Inspection #: 2019-VM-01311

Order Number:

2019-VM-01311-005

Status:

Open

Required Compliance Date: December 19, 2019

Sub-Location:

New Truck Shop

Observations:

There are several open ended Teck cables on the exterior of the building (Future

car plugs?).

Order:

Complete install with boxes and make safe.

Legislation:

Mine Health & Safety Regulations(Nunavut)

Section 13.01.

(2):

Except where otherwise required by these regulations, the electrical system and electrical equipment shall meet or exceed the requirements of CSA Standard



Report Reference:

Inspection #: 2019-VM-01311

Order Number:

2019-VM-01311-006

Status:

Open

Required Compliance Date: December 06, 2019

Sub-Location:

New Truck Shop

Observations:

Powerhouse panel 4750-PNL-005A is missing its panel directory.

Order:

Create a panel directory and install it in the panel.

CEC Rule 2-300 General requirements for maintenance and operation

1) All operating electrical equipment shall be kept in safe and proper working condition.
3) At each distribution point, circuit breakers, fuses, and switches shall be marked,

adjacent thereto, in a conspicuous and legible manner to indicate clearly.

Legislation:

Mine Health & Safety Regulations(Nunavut)

Section 13.01.

(2):

Except where otherwise required by these regulations, the electrical system and

electrical equipment shall meet or exceed the requirements of CSA Standard



Report Reference:

Inspection #: 2019-VM-01311

Order Number:

2019-VM-01311-007

Status:

Open

Required Compliance Date: December 06, 2019

Sub-Location:

Camp Parking Lot

Observations:

There is a broken receptacle.

Order:

Replace the broken receptacle.

CEC Rule 2-300 General requirements for maintenance and operation

1) All operating electrical equipment shall be kept in safe and proper working condition.

Legislation:

Mine Health & Safety Regulations(Nunavut)

Section 13.01.

(2):

Except where otherwise required by these regulations, the electrical system and electrical equipment shall meet or exceed the requirements of CSA Standard

Report Reference:

Inspection #: 2019-VM-01311

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

Pursuant to section 32. (1) A person who is adversely affected by a decision or order issued by an inspector may appeal the decision or order, in writing, to the Chief Inspector within 30 days after its issue.

Please return a signed copy of this page as confirmation of receipt.

Received By:

Employer Representative

(Print)

Signature

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Inspector Signature

Translation Requests

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Mining

Report Reference:

Inspection #: 2019-CI-00979

OPERATOR

BAFFINLAND IRON MINES CORPORATION

300 - 2275 Upper Middle Road East

Attn: Annu Sira

Oakville, Ontario L6H 0C3

INSPECTOR

Cary.Ingram@wscc.nt.ca Phone: 1-867-920-3805 MINE

Mary River Mine Site **MINE MANAGER**Sylvain Proulx

Inspection Date: August 27, 2019

Accompanied By:

Role Name Phone Email/Fax

Officer/Inspector Cary Ingram 1-867-920-3805 Cary.Ingram@wscc.nt.ca

Subcontractor to WSCC Michael Cullen

OHS for Employer Keith Winship

Inspection Details:

An annual geotechnical inspection was carried out by Cary Ingram (WSCC) and Michael Cullen (WSCC geotechnical consultant) on August 26, 27, 28, 2019. Areas inspected included all active open pits area, dykes, waste dump and stock piles and crusher quarries.

The Mine is not always following the recommendations of their geotechnical engineers and consultants, and is not fully in conformance with the requirements of the MHSR and accepted practice at mines in NWT/Nunavut.

No orders have been issued in respect to this inspection; however, a number of requirements as summarized below and further detailed in the consultants report require action. Progress updates will be reviewed as received from site and confirmed at the next general site inspection.

Areas of conformance during inspection



Report Reference:

Inspection #: 2019-CI-00979

- 1. The Mine is maintaining the Ground Control Logbook as noted on review.
- 2. The raise of the WRD pond embankment is within design and following engineering practices
- 3. Daily inspection by technical services and Golders annual review are being completed.

Areas Needing Improvement

- 1. The QMR2 quarry is not being developed as per the submitted designs, or accepted practice.
 - -The Mine should submit recised plans for the QMR2 quarry and ensure that they are implemented
- 2. Designs for the Phase 2 pit should be submitted to WSCC.
- 3. Rockfall material extends to the edge of the road on the 610-620 Ramp. Further rockfall at this location has the potential to run out onto the traveled surface
- The Mine should construct a rockfall catch berm or other method to ensure safety of workers
- 4. A multi-bench mining system was not yet approved for the Phase II pit.
- The Mine should submit for approval of multi-bench mining system in the Phase II pit with supporting information consistent with accepted practices.
- 5. Runaway lanes on the Mine Ore haul road need maintenance and marking.
- The Mine needs to ensure these runaway lanes are maintained and ready for use at all times.
- 6. Maintenance on the main ore haul road is continuing but a caution is needed to ensure the slope of the road does not promote vehicle sliding towards the outside berm on the road.



Mining

Report Reference:

Inspection #: 2019-CI-00979

Order Number: 2019-CI-00979-001 Status: Open

Required Compliance Date: December 31, 2019

Sub-Location: QMR2 Quarry

Observations: During the inspection we observed that the QMR2 was not being developed as per

the submitted designs, or accepted practice

Order: The Mine shall submit a revised plan for QMR2 quarry and ensure that it is

implemented.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 1.03. (1): The owner of a surface mine or an underground mine shall maintain a mine

design, acceptable to the chief inspector, assessing the ground stability of the

active and proposed workings of the mine.

Section 1.03. (2): The mine design that the owner is required to maintain shall be prepared by or

under the direction of a professional engineer experienced in ground stability

design and shall bear the engineer's seal and signature.

Section 1.04: The mine design shall consist of drawings, plans, calculations, specifications and

written descriptions and shall

(a) describe the geology of the mine;

(b) outline the geometry of existing excavations, if any, and proposed

excavations;

(c) provide the rock mass characteristics that are representative of the ore, footwall and hanging wall rock that will be encountered most frequently and

identify the orientation of the most common joint sets;

(d) describe the hydrological features that may affect the working of the mine;

(e) describe previous occurrences of ground instability and include

recommendations from reports of investigations;

(f) describe, for surface mines, expected climate conditions, the presence of

permafrost, if any, and average monthly precipitation;

(g) describe the mining method including bench or stope sequencing and blasting

methods;



Mining

Report Reference:

Inspection #: 2019-CI-00979

- (h) specify ground support systems, including pillars, backfill, timber support, tendon support and any other type of support, the criteria used concerning their selection, dimension, spacing and extent;
- (i) describe measures used and planned to assess potential ground instability;
- (j) include specific precautions to be taken concerning parts of the mine where bodies of water, overburden, tailings, gas, low oxygen or water soaked material may inrush or flood the workings; and
- (k) Include such other information as the chief inspector may require.



Mining

Report Reference:

Inspection #: 2019-CI-00979

Order Number: 2019-CI-00979-002 Status: Open

Required Compliance Date: September 30, 2019

Sub-Location: Phase II Pit

Observations: During our inspection we noted that the Phase 2 pit was under construction

without an approved design from WSCC.

Order: The Mine shall submit to the Chief Inspector a Pit design for the Phase 2 pit.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 1.05: The mine design shall be assessed and updated by an authorized person annually

and before any major change is made to the mining method or the equipment

used.



Mining

Report Reference:

Inspection #: 2019-CI-00979

Order Number: 2019-CI-00979-003 **Status:** Open

Required Compliance Date: September 30, 2019

Sub-Location: In pit ramp on 610 - 620 bench

Observations: During the inspection we noted that rockfall material had extended beyond the

berm and traveled onto the road edge.

Order: The manager shall ensure that a procedure be developed for the cleaning of

catchment benches and berms and are designed and constructed to prevent

rockfall from endangering persons working on a lower bench.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 1.137. Where a surface mine is worked in benches,

(1): (a) each catchment berm shall be designed so that its final width will not be less

than 8 m; and

(b) loose rock shall not be allowed to accumulate on a bench or catchment berm

in a manner that endangers any person working on a lower bench.

Section 1.137. The manager shall, in consultation with the Committee, develop a procedure

(2): acceptable to the chief inspector that provides for the safety of workers should

loose rock accumulate on a catchment berm and access to clean it not be possible.



Mining

Report Reference:

Inspection #: 2019-CI-00979

Order Number: 2019-CI-00979-004 Status: Open

Required Compliance Date: September 30, 2019

Sub-Location: Ore haul road

Observations: During the inspection we observed that the runaway ramps on the Pit ore haul

roads need cleaning and maintenance.

Order: The Manager shall ensure runaway lanes are clearly identified, maintained and

capable to bring a runaway vehicle to a controlled stop.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 1.143. On open pit and surface roadways where the grade exceeds 5%, the chief

(3): inspector may require the manager to provide clearly identified emergency

runaway lanes or retardation barriers placed at suitable locations and capable of bringing runaway vehicles to a controlled stop to be provided and maintained.



Report Reference:

Inspection #: 2019-CI-00979

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

Pursuant to section 32. (1) A person who is adversely affected by a decision or order issued by an inspector may appeal the decision or order, in writing, to the Chief Inspector within 30 days after its issue.

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Mining

Report Reference:

Inspection #: 2019-VM-01163

OPERATORMAMMOET CANADA EASTERN LTD.

7504 McLean Road East

Puslinch, Ontario NOB 2JO INSPECTOR
Barb Heming barb.heming@wscc.nu.ca

Phone: 1-867-445-4426

MINE
Mary River Mine Site
MINE MANAGER

Inspection Date: October 23, 2019

Inspection Details:

October 23, 2019, Senior OHS Inspector/Lead Engineer, Fred Bailey and I completed an inspection regarding a serious incident that resulted in significant injuries to a worker.

During our inspection, it was identified that the injured worker was working in a supervisory role at the time of the incident and was a direct employee of Mammoet Canada Eastern Ltd. Conversation with the Mammoet Health and Safety Advisor confirmed that they were the employer of the injured worker and that while at this job site, Mammoet workers were required to follow the safety program of Aecon Construction Group Inc. (another subcontractor at the work site).

Conversation with the Mammoet Health and Safety Advisor on site confirmed the following documentation was not available for review at the time of the inspection.

- All certificates and proof(s) of competency including Mine Supervisor certificates, Crane
 Operator certificates, Fall protection/working from heights, Aerial Platform, etc
- Employee Orientation from Mammoet
- Time of hire paperwork
- Disciplinary or other Performance Management documentation
- Any Safe Work Practices or Safe Job Procedures specific to the winterization of a crane
- Manufacturers specifications indicating the presence or location or engineered anchor points on the crane involved in the incident.



Report Reference:

Inspection #: 2019-VM-01163

Directions have been issued as a result of this inspection. Procedures for informing the WSCC of compliance with the issued directions, or appealing of one or more of those directions, can be found on the last page of this report. The employer shall ensure the Record of Compliance (last page of this report) is submitted to me before the assigned date.



Mining

Report Reference:

Inspection #: 2019-VM-01163

Order Number: 2019-VM-01163-001 Status: Open

Required Compliance Date: November 01, 2019

Observations: Conversation with the Mammoet Health and Safety Advisor on site confirmed the

following documentation was not available for review at the time of the

inspection.

Order: The Employer shall provide the following to the Inspector(s) named on this

report:

 All certificates and proof(s) of competency including Mine Supervisor certificates, Crane Operator certificates, Fall protection/working from heights, Aerial Platform, etc.

- Employee Orientation from Mammoet
- Time of hire paperwork
- Disciplinary or other Performance Management documentation
- Any Safe Work Practices or Safe Job Procedures specific to the winterization of a crane
- Manufacturer's specifications indicating the presence or location or engineered anchor points on the crane involved in the incident.

Legislation: Mine Health & Safety Act(Nunavut)

Section 21. (3): An inspector may, for purposes of an investigation or inspection,

(a) inspect and test any electrical or mechanical equipment or any other thing at a

mine;

(b) remove, or order that a person remove, any obstruction that may prevent a

thorough inspection;

(c) order that a person produce any plan, specification, maintenance log, electronic data or other document relating to the operation of a mine; and

(d) examine and remove, for the purpose of making copies, any plan, specification,

maintenance log, electronic data or other document.



Mining

Report Reference:

Inspection #: 2019-VM-01163

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 6.06: A new or transferred employee may be exempted from the training programs

referred to in section 6.02, where the employee

(a) produces proof that he or she has successfully completed suitable training

during employment at another mine; and

(b) demonstrates, to the satisfaction of the manager, his or her proficiency in

performing safely any work to which he or she will be assigned.



Report Reference:

Inspection #: 2019-VM-01163

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

Pursuant to section 32. (1) A person who is adversely affected by a decision or order issued by an inspector may appeal the decision or order, in writing, to the Chief Inspector within 30 days after its issue.

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Mining

Report Reference:

Inspection #: 2019-VM-01161

OPERATOR

BAFFINLAND IRON MINES CORPORATION

300 - 2275 Upper Middle Road East

Attn: Annu Sira

Oakville, Ontario L6H 0C3

INSPECTOR

Barb Heming

barb.heming@wscc.nu.ca Phone: 1-867-979-8524 MINE

Mary River Mine Site

MINE MANAGER

Inspection Date: October 23, 2019

Accompanied By:

Role Officer/Inspector	<u>Name</u> Barb Heming	Phone 1-867-979-8524	Email/Fax Barb.Heming@wscc.nu.ca
Secondary Officer/Secondary Inspector	Fred Bailey	1-867-669-4430	Fred.Bailey@wscc.nt.ca
Employer Representative	Keith Winship	1-647-253-0596 x 6702	Keith.Winship@baffinland.com
Worker's Representative	Dennis Linden		
Employer Representative	Darryl Finlay		

Inspection Details:

October 23, 2019, Senior OHS Inspector/Lead Engineer, Fred Bailey and I completed an inspection regarding a serious incident that resulted in significant injuries to a worker.

During our inspection, it was identified that the injured worker was working in a supervisory role at the time of the incident and was a direct employee of Mammoet Canada Eastern Ltd. Conversation with all supervisors at this work site confirmed that Mammoet Canada Eastern Ltd was subcontracting to Aecon Construction Group Inc., Aecon Construction Group Inc. was subcontracting to Hatch Ltd. and Hatch Ltd. was performing services to Baffinland Iron Mines Corporation.



Report Reference:

Inspection #: 2019-VM-01161

Additional directions have been written to both Mammoet Canada Eastern Ltd. and Aecon Construction Group Inc. Copies of these directions are provided in addition to this report.

During our inspection several positive items were observed including:

- An internal investigation report has been started which includes input from all of the involved parties and a clear plan to communicate these results with both the Mine Manager and the WSCC.
- The location of the incident had been well preserved and protected as required.
- A worker member of the Occupational Health and Safety Committee was in attendance and participated throughout the inspection process.

The following observations require attention:

- An incident investigation had not yet been fully completed nor submitted to the WSCC for review.
- Occupational Health and Safety Meeting minutes were not available in the Milne Port site Project office and it was unclear how this Committee information was shared with these workers.

Directions have been issued as a result of this inspection. Procedures for informing the WSCC of compliance with the issued directions, or appealing of one or more of those directions, can be found on the last page of this report. The employer shall ensure the Record of Compliance (last page of this report) is submitted to me before the assigned date.



Mining

Report Reference:

Inspection #: 2019-VM-01161

Order Number: 2019-VM-01161-001 Status: Open

Required Compliance Date: November 08, 2019

Observations: An incident investigation had not yet been fully completed nor submitted to the

WSCC for review.

Order: The Mine Manager shall prepare and submit an incident investigation to the

Inspector(s) named on this report in addition to all other required parties as

identified in 16.06(2).

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 16.06. On completion of the investigation, the manager shall have a report prepared that

(1): (a) where possible, identifies the causes of the reportable incident or dangerous

occurrence;

(b) identifies any unsafe conditions, acts or procedures which contributed in any

manner to the reportable incident or dangerous occurrence; and (c) makes recommendations that may prevent similar accidents.

Section 16.06. The manager shall sign the report and

(2): (a) send the report to the Committee for review and approval; and

(b) send the approved report to the chief inspector and the union local, if any.



Mining

Report Reference:

Inspection #: 2019-VM-01161

Order Number: 2019-VM-01161-002 Status: Open

Required Compliance Date: November 08, 2019

Observations: Occupational Health and Safety Meeting minutes were not available in the Milne

Port site Project office and it was unclear how this Committee information was

shared with these workers.

Order: The Mine Manager shall ensure that Occupational Health and Safety meeting

minutes and the names of all members are posted in conspicuous locations

throughout the work site.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 3.13: The manager shall post the minutes received pursuant to subsection 3.12(2) in

conspicuous locations at the mine. R-026-99,s.9; R-016-2003,s.39.

Section 3.18: On receipt of the names of the Committee members from the co-chairpersons,

the manager shall post the names in conspicuous locations at the mine.



Mining

Report Reference:

Inspection #: 2019-VM-01161

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

Pursuant to section 32. (1) A person who is adversely affected by a decision or order issued by an inspector may appeal the decision or order, in writing, to the Chief Inspector within 30 days after its issue.

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Translation Requests

Mining

Report Reference:

Inspection #: 2019-VM-01162

OPERATOR

AECON CONSTRUCTION GROUP INC.

Payroll Accounting (1023_1098) 20 Carlson Court, Suite 105 Toronto, Ontario M9W 7K6 INSPECTOR Barb Heming barb.heming@wscc.nu.ca **MINE**Mary River Mine Site

MINE MANAGER

Inspection Date: October 23, 2019

Inspection Details:

Phone: 1-867-979-8524

October 23, 2019, Senior OHS Inspector/Lead Engineer, Fred Bailey and I completed an inspection regarding a serious incident that resulted in significant injuries to a worker.

During our inspection, it was identified that the injured worker was a direct employee of Mammoet Canada Eastern Ltd and that Mammoet Canada Eastern Ltd was a subcontractor to Aecon Construction Group. Conversation confirmed that the Aecon Construction Group Mechanical Superintendent was responsible for providing direction to Mammoet Canada Eastern Ltd. at the time of the incident. Further conversation confirmed that Mammoet Canada Eastern Ltd. was required to comply with the Aecon Construction Group safety program while performing work at this work site.

Documentation was requested during the inspection was not available at the work site at the time of inspection. This documentation includes the following:

- Any and all meeting minutes used to document the morning supervisor meeting from Oct 13th through 20th, 2019
- Any and all "JAR" cards or other forms of documented hazard assessment completed Oct 20, 2019.
- Any Safe Work Practices or Safe Job procedures that may have been documented or completed in regards to the winterization of the Mammoet Cranes.
- Any Working from Heights or Fall Protection procedures.

Directions have been issued as a result of this inspection. Procedures for informing the WSCC of compliance with the issued directions, or appealing of one or more of those directions, can be found on



Mining

Report Reference:

Inspection #: 2019-VM-01162

the last page of this report. The employer shall ensure the Record of Compliance (last page of this report) is submitted to me before the assigned date.



Mining

Report Reference:

Inspection #: 2019-VM-01162

Order Number: 2019-VM-01162-001 Status: Open

Required Compliance Date: November 01, 2019

Observations: Documentation requested during the inspection was not available at the time of

inspection.

Order: The Employer shall provide the Inspector named in this report with the

following documentation:

Any and all meeting minutes used to document the morning supervisor meeting

from Oct 13th through 20th, 2019

Any and all "JAR" cards or other forms of documented hazard assessment

completed Oct 20, 2019.

Any Safe Work Practices or Safe Job procedures that may have been

documented or completed in regards to the winterization of the Mammoet

Cranes.

Any Working from Heights or Fall Protection procedures

Legislation: Mine Health & Safety Act(Nunavut)

Section 21. (3): An inspector may, for purposes of an investigation or inspection,

(a) inspect and test any electrical or mechanical equipment or any other thing at a

mine;

(b) remove, or order that a person remove, any obstruction that may prevent a

thorough inspection;

(c) order that a person produce any plan, specification, maintenance log,

electronic data or other document relating to the operation of a mine; and

(d) examine and remove, for the purpose of making copies, any plan, specification,

maintenance log, electronic data or other document.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 1.159. The manager shall prepare a procedure for the examination of work sites that

(1): provides for examination

(a) of the condition of access routes, haulage roads and travelways;

(b) of the suitability and safety of work practices;



Mining

Report Reference:

Inspection #: 2019-VM-01162

- (c) of the general condition of equipment, tools and protective equipment and devices;
- (d) of the use of protective equipment and devices;
- (e) of the condition of refuge stations;
- (f) of the adequacy of ventilation;
- (g) for the presence of hazardous gases and toxic fumes;
- (h) of the security of ground conditions and effectiveness of the support;
- (i) of the emergency arrangements including safe means of egress;
- (j) of the provisions to ensure that work procedures are being properly followed; and
- (k) of any other matter that affects health and safety.



Report Reference:

Inspection #: 2019-VM-01162

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

Pursuant to section 32. (1) A person who is adversely affected by a decision or order issued by an inspector may appeal the decision or order, in writing, to the Chief Inspector within 30 days after its issue.

Please return a signed copy of this page as confirmation of receipt.			
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		Inspector Signo	ature

Translation Requests

Report Reference:

Inspection #: 2019-FB-01279

OPERATOR

BAFFINLAND IRON MINES CORPORATION 300 - 2275 Upper Middle Road East Attn: Annu Sira Oakville, Ontario L6H 0C3

INSPECTOR
Fred Bailey

MINE
Mary River Mine Site
MINE MANAGER
Sylvain Proulx

Inspection Date: November 20, 2019

Inspection Details:

An audit of the ERT program was carried out on November 20th and 21st, 2019 at the Mary River mine site and Milne Inlet port site respectively. The bays within the ERT building were clean, well-organized and ready for response. Both sites were found to have sufficient levels of trained members and it was noted that recruitment drives are ongoing. A general review of the training program was provided and was found to be acceptable and well suited to the requirements of the sites. It was good to see upgrades to the breathing apparatus are taking place and the creation of the individual binders for members training and certification records are well organized which makes control and audit a simple task.

No concerns were noted with respect to the ERT program and all are to be commended for the positive attitude and support for this facet of Mine Safety at Baffinland.



Report Reference:

Inspection #: 2019-FB-01279

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

Pursuant to section 32. (1) A person who is adversely affected by a decision or order issued by an inspector may appeal the decision or order, in writing, to the Chief Inspector within 30 days after its issue.

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Translation Requests

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Mining

Report Reference:

Inspection #: 2019-FB-01299

OPERATOR

BAFFINLAND IRON MINES CORPORATION 300 - 2275 Upper Middle Road East Attn: Annu Sira

Oakville, Ontario L6H 0C3

MINE

Mary River Mine Site **MINE MANAGER** Sylvain Proulx

Inspection Date: November 20, 2019

INSPECTOR

Fred Bailey

Accompanied By:

Role

Name

Phone

Email/Fax

Secondary Officer/Secondary

Stuart Wray

1-867-669-4445

stuart.wray@wscc.nt.ca

Inspector

Employer Representative

Jeff Jamieson

Employer Representative

Keith Winship

Inspection Details:

From Nov. 20-22 a general inspection of the Baffinland Iron Mine Sites at Mary River and Milne Inlet was conducted by Junior OHS Inspector Stuart Wray and Senior OHS Inspector/Lead Engineer Fred Bailey. During the inspection the crusher, mobile maintenance, mine operations, warehouse, site services, power generation, Port ore pad, and the tote road were visited. The inspectors were accompanied by the Health and Safety Superintendents and Coordinators as well as the Supervisors from each work area. all of whom provided important information regarding both the regular operations of the site and policies and procedures of relevant operations.

During the inspection the following positives were noted:

Supervisors were aware of the high risk work at their respective work areas and had implemented necessary controls.

When using the water cannon at the wash bay a physical barrier is erected to stop workers from entering the work area.



Report Reference:

Inspection #: 2019-FB-01299

The warehouse had identified hazardous materials, implemented controls and had the SDS binder readily accessible.

Mine operations had identified an area with low visibility on the haul road and implemented controls so powered mobile equipment operators could see each other when passing.

There is good communication between operators on the tote road and the road was in good condition.

A Health and Safety Coordinator had identified a speeding B train and corrected the action on the spot.

Maintenance shops were clean and tidy.

Local ventilation is installed in the new maintenance shop.

Lock out/Tag out system was observed on the powered mobile equipment being serviced at Milne Inlet maintenance shop.

During the inspections the following opportunities for improvement were noted:

Mary River Crusher: Eye flushing station located in the lube shack blocked by debris and inaccessible to workers. The fire suppression system in tower B needed to be recharged and was not rescue ready. The third party contractor was on-site at the time of this inspection conducting the annual certification of the fire protection systems.

Mary River Batch Plant: Fire extinguisher was blocked by debris and inaccessible to the workers.

Mary River Incinerator: The hand rails had been removed from the pad at the incinerator. The air-supplied respirator used to enter the incinerator was covered in ash and not receiving regular maintenance or a pre-use inspection.

Mary River Power Generation: The fire cabinet had aerosols mixed with flammable liquids. PPE gloves located in switch house # 2 are expired. A beam trolley chain hoist has not been receiving preuse inspections.

Milne Inlet Maintenance Shop: Spyder Crane CRN 005 did not have the annual certification with the lifting device.



Report Reference:

Inspection #: 2019-FB-01299

Milne Inlet Batch Plant: Improper storage of flammable liquid.Ge: Slings were observed in damaged states and available for workers to use. Fall protection harnesses were observed in damaged states and available for workers to use. Wheeled fire extinguishers were observed blocked by debris and inaccessible to workers. Fire pull stations were blocked in by frost fighter heaters.

Directions have been issued as a result of this inspection. Procedures for informing the WSCC of compliance with the issued directions, or appealing of one or more of those directions, can be found on the last pages of this report. The employer shall ensure the Record of Compliance (last page of inspection report) is submitted to me on or before the assigned date.

Inspection and debrief concluded on November 22nd at 1600hrs.



Mining

Report Reference:

Inspection #: 2019-FB-01299

Order Number:

2019-FB-01299-001

Status:

Open

Required Compliance Date: December 12, 2019

Observations:

I observed the eye wash station located at the Mary River Crusher blocked in by

debris and inaccessible to workers.

Order:

The manager shall ensure where there is potential for eye injuries that eye wash

stations are located and free of debris so they are readily accessible to workers.

Legislation:

Mine Health & Safety Regulations(Nunavut)

Section 9.27.

(1)(b):

Where there is potential for injury by eye contact, a manager shall provide, at or near the exposure site, the appropriate hygiene facilities including portable eye wash stations or eye wash fountains and maintained in a hygienic and working condition.



Mining

Report Reference:

Inspection #: 2019-FB-01299

Order Number:

2019-FB-01299-002

Status:

Open

Required Compliance Date: January 03, 2020

Observations:

The hand rails located at the Mary River Incinerator had been removed from the

platform.

Order:

The manager shall establish procedures to ensure hand rails are being used until

a similar solution as at the Port is implemented.

Legislation:

Mine Health & Safety Act(Nunavut)

Section 10. (2):

The manager shall

(a) comply with this Act and the regulations and any orders or directives issued

under this Act or the regulations;

(b) ensure that the requirements of this Act and the regulations are met in the

operation of the mine; and

(c) ensure that any orders and directives issued under this Act or the regulations

are complied with in the operation of the mine.



Mining

Report Reference:

Inspection #: 2019-FB-01299

Order Number:

2019-FB-01299-003

Status:

Open

Required Compliance Date: December 12, 2019

Observations:

I observed the air-supplied respirator used to enter the incinerator not being

maintained or inspected prior to use.

Order:

The manager shall establish procedures for the proper care, use, maintenance

and storage of respirators at both Milne Inlet and Mary River as recommended

by the manufacturer.

Legislation:

Mine Health & Safety Regulations(Nunavut)

Section 9.41:

The manager shall

(a) establish procedures for the proper care, use, maintenance and storage of

respirators as recommended by the manufacturer;

(b) ensure that the procedures established under paragraph (a) are followed;

(c) prepare a schedule for the maintenance of respirators as recommended by the

manufacturer; and

(d) ensure that the maintenance schedule established under paragraph (c) is

followed.



Mining

Report Reference:

Inspection #: 2019-FB-01299

Order Number:

2019-FB-01299-004

Status:

Open

Required Compliance Date: December 05, 2019

Observations:

I observed an aerosol can stored with flammable liquids in the flammable cabinet

located at the Power Generation workshop.

Order:

The manager shall establish procedures to ensure aerosols are not stored with

flammable liquids.

Legislation:

Mine Health & Safety Regulations(Nunavut)

Section 9.08. (2):

The manager shall ensure that all dangerous or potentially hazardous materials

are stored in containers that are

(a) designed, constructed and maintained in such a manner as to ensure proper

containment of their contents under the environmental conditions in which they

are stored; and

(b) kept sealed or covered when not in use and arranged so that they cannot be

dislodged, fall or suffer any other damage.



Mining

Report Reference:

Inspection #: 2019-FB-01299

Order Number:

2019-FB-01299-005

Status:

Open

Required Compliance Date: January 03, 2020

Observations:

I observed personal protective gloves located at the Mary River Power Generation

switch house # 2 that were expired.

Order:

Remove and replace outdated gloves

Legislation:

Mine Health & Safety Regulations(Nunavut)

Section 8.04:

If it is not reasonably practicable to protect the safety and health of workers by design of the workplace and work processes and by implementing suitable work

practices and administrative controls, the manager shall

(a) provide properly fitted personal protective equipment required by these

regulations or recommended by the Committee;

(b) ensure that persons are given instruction in the use and maintenance of the

personal protective equipment, including instruction in the location of the

equipment, the reasons for its use and its limitations; and

(c) ensure that the personal protective equipment is adequate for its purpose.



Mining

Report Reference:

Inspection #: 2019-FB-01299

Order Number:

2019-FB-01299-006

Status:

Open

Required Compliance Date: December 12, 2019

Observations: It was shared that the beam trolley chain hoist located at the Mary River Power

Generation work area has not been receiving maintenance or pre-use inspections. I observed the Spyder crane CRN 005 located in the Milne Inlet maintenance shop

did not have the annual certification sticker on the crane.

Order: The manager shall establish procedures to ensure lifting devices are maintained

and used according to manufacturer's specifications.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 10.126. A lifting device, pulling device or utility hoist and its support or anchorage system

(4): shall be maintained by a qualified person so that it does not endanger the safety

of workers. R-016-2003,s.124.



Mining

Report Reference:

Inspection #: 2019-FB-01299

Order Number:

2019-FB-01299-007

Status:

Open

Required Compliance Date: December 05, 2019

Observations:

I observed improper storage of flammable liquids in the Milne Inlet Batch Plant.

Order:

The manager shall establish procedures to ensure flammable liquids are stored

properly.

Legislation:

Mine Health & Safety Act(Nunavut)

Section 10. (2):

The manager shall

(a) comply with this Act and the regulations and any orders or directives issued

under this Act or the regulations;

(b) ensure that the requirements of this Act and the regulations are met in the

operation of the mine; and

(c) ensure that any orders and directives issued under this Act or the regulations

are complied with in the operation of the mine.



Mining

Report Reference:

Inspection #: 2019-FB-01299

Order Number:

2019-FB-01299-008

Status:

Open

Required Compliance Date: January 03, 2020

Observations:

I observed lifting slings that were damaged and not fit for use that were readily

accessible to workers.

Order:

The manager shall establish procedures to ensure any temporary attachment used to connect a lifting device, pulling device or utility hoist to its load shall be in good condition and appropriate for its use. If the temporary attachment is not fit for use the manager shall ensure temporary attachments are disposed of so

the workers cannot use them.

Legislation:

Mine Health & Safety Regulations(Nunavut)

Section 10.126.

(2):

Any temporary or permanent attachment used to connect a lifting device, pulling device or utility hoist to its load or to its support or anchorage system shall be in

good condition and appropriate for its use.



Mining

Report Reference:

Inspection #: 2019-FB-01299

Order Number:

2019-FB-01299-009

Status:

Open

Required Compliance Date: January 03, 2020

Observations:

I observed fall arrest harnesses that were damaged and not fit for use that were

readily accessible to workers.

Order:

The manager shall establish procedures to ensure all fall arrest harnesses are in

good condition and appropriate for use. If the fall arrest harnesses are not fit for

use the manager shall ensure fall arrest harnesses are disposed of so the

workers cannot use them.

Legislation:

Mine Health & Safety Regulations(Nunavut)

Section 8.11. (2):

The fall arresting device required by subsection (1) shall comply with the relevant

design and performance requirements of CAN/CSA-Z259.10-M90, Full Body

Harnesses. R-016-2003.s.72.



Mining

Report Reference:

Inspection #: 2019-FB-01299

Order Number:

2019-FB-01299-010

Status:

Open

Required Compliance Date: March 31, 2020

Observations:

I observed wheeled fire extinguishers and fire pull stations blocked in by debris and inaccessible to the workers and the fire suppression at the Mary River Crusher was not re-charged and therefore not rescue ready.

Order:

The manager shall ensure that procedures to ensure fire protection equipment is adequately inspected, located and accessible to protect the health and safety of the workers are established and being followed. The fire extinguishers and pull stations are to be cleared of debris, relocated or otherwise made accessible as soon as possible.

Legislation:

Mine Health & Safety Regulations(Nunavut)

Section 12.16.

(1):

The manager shall ensure that all fire fighting equipment provided at the mine is

maintained by an authorized person.

Section 12.16.

(2):

The manager shall ensure that all fire fighting equipment provided at the mine is inspected by an authorized person at least once each month and that the results

of the inspection are

- (a) noted on the fire fighting equipment's tag;(b) entered in a logbook kept for that purpose; or
- (c) entered in the mobile equipment logbook. R-008-2003,s.141.



Report Reference:

Inspection #: 2019-FB-01299

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

Pursuant to section 32. (1) A person who is adversely affected by a decision or order issued by an inspector may appeal the decision or order, in writing, to the Chief Inspector within 30 days after its issue.

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	Employer Representative	Signature
	(Print)	Fred Bailey
		Inspector Signature

Translation Requests

Mining

Report Reference:

Inspection #: 2019-JP-01316

OPERATOR

BAFFINLAND IRON MINES CORPORATION

300 - 2275 Upper Middle Road East

Attn: Annu Sira

Oakville, Ontario L6H 0C3

INSPECTOR

Jeff Peterson

jeff.peterson@wscc.nt.ca Phone: 1-867-669-4417 MINE

Mary River Mine Site

MINE MANAGER

Inspection Date: December 2, 2019

Accompanied By:

Role Name Phone Email/Fax

Secondary Officer/Secondary Stuart Wray 1-867-669-4445 stuart.wray@wscc.nt.ca

Inspector

Employer Representative Jeff Jamieson

Inspection Details:

On November 26, 2019 the WSCC received notification of a Dangerous Occurrence under section 16.01 of the Nunavut Mine and Health Safety Regulations that occurred at the Baffinland Mary River Iron Mine Project on November 23, 2019. The WSCC will be requesting information pertinent to the incident.



Mining

Report Reference:

Inspection #: 2019-JP-01316

Order Number: 2019-JP-01316-001 Status: Open

Required Compliance Date: December 09, 2019

Observations: A 777 haul truck lost control while hauling aggregates uphill on the Mine Haul

Road resulting in a Dangerous Occurrence.

Order: The manager shall provide to the WSCC the following information:

The training records for the pit Supervisor on-shift during the incident.

The training records for the 777 haul truck operator.

The operator's manual for the 777 involved in the incident. The road maintenance procedure for the Mine Haul Road.

Legislation: Mine Health & Safety Act(Nunavut)

Section 21.

(3)(d):

An inspector may, for purposes of an investigation or inspection, examine and remove, for the purpose of making copies, any plan, specification, maintenance

log, electronic data or other document



Report Reference:

Inspection #: 2019-JP-01316

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

Pursuant to section 32. (1) A person who is adversely affected by a decision or order issued by an inspector may appeal the decision or order, in writing, to the Chief Inspector within 30 days after its issue.

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Mining

Report Reference:

Inspection #: 2019-VM-01400

OPERATOR

BAFFINLAND IRON MINES CORPORATION 2275 Upper Middle Road East Suite 300 Oakville, Ontario L6H 0C3

INSPECTOR

Viktor Mubili

MINE

Mary River Mine Site - **Emulsion Plant** *MINE MANAGER*Sylvain Proulx

Inspection Date: December 11, 2019

Accompanied By:

Role Secondary Officer/Secondary Vicki Lloyd Inspector

Inspection Details:

A general inspection was conducted at the **Mary River Emulsion Plant and Cap Magazine**. Present for the inspection visit were Vicki Lloyd (WSCC Inspector), Blaine Taylor (BIM H&S Officer), Jamie Brewer (Dyno Site Supervisor) and Dakota Grant (Dyno Blaster).

There were no concerns observed with eyewash stations, fire extinguisher inspection tags, shelf carrying-capacity labels, supervisor certificates and the Cap Mag. The supervisors wondered why the new supervisor certificates no longer have certificate numbers like the previous ones. It should be noted that the long number at the bottom of the new supervisor certificate is now the certificate number.

Some concerns were observed and orders issued:

- 001 No trip hazard warning for raised door jam;
- 002 Blocked exit door and fire hydrant;
- 003 There was found a number of unlabeled Teck cables;
- 004 Teck cable tray appeared not bonded or improperly bonded;
- 005 Pump skid in the quality control room not bonded; and
- 006 General poor housekeeping in the Plant.



Mining

Report Reference:

Inspection #: 2019-VM-01400

Order Number: 2019-VM-01400-001 Status: Open

Required Compliance Date: January 30, 2020

Contractor: DYNO NOBEL BAFFIN ISLAND INC.

Sub-Location: Compressor Room and Testing Area

Observations: Doorways to the Compressor Room and Testing Area respectively have raised

door jams, which could be potential trip hazards.

Order: Install signage or warning paint line at the step-up to ensure sufficient warning

of such a tripping hazard.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 1.90: Where workers are required to work, operate, maintain or service equipment, a

safe means of access shall be provided as required by section 1.89.

Section 5.07.(e): Every shift boss or supervisor shall, within his or her area of responsibility and

authority, be knowledgeable about essential safeguards against hazards and about safe working procedures at the worksites for which he or she is responsible

so that he or she can routinely assess the safety of the environment and

operations affecting persons in those worksites;



Mining

Report Reference:

Inspection #: 2019-VM-01400

Order Number: 2019-VM-01400-002 Status: Open

Required Compliance Date: January 30, 2020

Contractor: DYNO NOBEL BAFFIN ISLAND INC.

Sub-Location: Raw Ingredient Storage Area

Observations: Raw ingredient storage area has plastic totes blocking the signed exit. There is also

a dispensing hose that is blocking access to a fire hydrant.

Order: Ensure exit doors are maintained free of any obstruction. If the passageway is

being converted into a storage area, exit signs must be removed to eliminate

confusion in an emergency.

Also, ensure fire hydrants are free of any obstruction and are accessible at all

times.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 1.159.

(1)(i):

The manager shall prepare a procedure for the examination of worksites that provides for examination of the emergency arrangements including safe means of

egress;

Section 12.01.

(1)(d) (ii):

The manager shall ensure that a fire risk assessment is carried out not later than March 31 in each calendar year for all parts of the mine, both underground and surface, and the assessment shall set out measures to be taken to reduce the

hazard from fire, including adequate maintenance of equipment,

Section 9.04.(b): The manager shall develop and implement an effective housekeeping program to

ensure that materials and equipment are stored in a manner so as not to

endanger persons; and



Mining

Report Reference:

Inspection #: 2019-VM-01400

Order Number: 2019-VM-01400-003 **Status:** Open

Required Compliance Date: January 31, 2020

Contractor: DYNO NOBEL BAFFIN ISLAND INC.

Sub-Location: Emulsion Plant

(2):

Observations: There is a number of unlabeled Teck cables throughout the Emulsion Plant.

Order: Identify each Teck cable assembly with a visible means of identifying the

equipment to which it is connected, or other means prescribed by the mine's

safety procedures.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 13.01. Except where otherwise required by these regulations, the electrical system and

electrical equipment shall meet or exceed the requirements of CSA Standard



Mining

Report Reference:

Inspection #: 2019-VM-01400

Order Number: 2019-VM-01400-004 Status: Open

Required Compliance Date: January 31, 2020

Contractor: DYNO NOBEL BAFFIN ISLAND INC.

Sub-Location: Loading and Wash Bay

(2):

Observations: The main Teck cable tray in the loading/Wash Bay is not bonded with a bonding

conductor.

Order: Ensure Teck cable tray is bonded according to the CEC.

CEC 12-2208 provides the criteria for bonding cable trays.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 13.01. Except where otherwise required by these regulations, the electrical system and

electrical equipment shall meet or exceed the requirements of CSA Standard



Mining

Report Reference:

Inspection #: 2019-VM-01400

Order Number: 2019-VM-01400-005 **Status:** Open

Required Compliance Date: January 30, 2020

Contractor: DYNO NOBEL BAFFIN ISLAND INC.

Sub-Location: Quality Control Room

(2):

Observations: The pump skid in the Quality Control Room is not bonded, as required.

Order: Ensure the pump skid is bonded, as required and in compliance with the CEC,

Part I, Rule 36-302.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 13.01. The electrical system and electrical equipment at a mine shall be designed in

(1)(a): accordance with good engineering practice; and

Section 13.01. Except where otherwise required by these regulations, the electrical system and

electrical equipment shall meet or exceed the requirements of CSA Standard



Mining

Report Reference:

Inspection #: 2019-VM-01400

Order Number: 2019-VM-01400-006 Status: Open

Required Compliance Date: February 04, 2020

Contractor: DYNO NOBEL BAFFIN ISLAND INC.

Sub-Location: Emulsion Plant

Observations: Upon entering the Emulsion Plant it was noticed that dust and clutter had

accumulated to a much greater extent than previously experienced. It was noted

that considerable pedestrian traffic contributed greatly to dust/clutter

accumulation.

Order: Clean Emulsion Plant and maintain suitable environment for equipment and

processes.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 14.08.

(1)(c):

Each magazine shall be operated and maintained in accordance with the following rules: the magazine shall be kept clean, dry, and free from grit at all times and any

spillage shall be cleaned up immediately;

Section 9.04: The manager shall develop and implement an effective housekeeping program to

ensure that

(a) all work sites and travelways are maintained in a safe condition;

(b) materials and equipment are stored in a manner so as not to endanger

persons; and

(c) appropriate action is taken whenever necessary to maintain a hazard-free

environment.



Report Reference:

Inspection #: 2019-VM-01400

Regulatory Requirements

This report has been issued pursuant to Section 26 of the *Mine Health and Safety Act* which states that a closeout meeting will be held with the manager after completing the inspection and that a written report will follow within 72 hours after the last day of the inspection.

Pursuant to section 28 the manager shall post all inspection reports and orders issued by an inspector in a conspicuous place at the mine for at least 30 days after the manager receives the inspection report or order. Furthermore; pursuant to section 29. (1) the manager shall, within 30 days after receiving an inspection report, submit a written report to the Chief Inspector outlining the remedial measures taken and the remedial measures still to be taken in respect of the inspection report.

Pursuant to section 32. (1) A person who is adversely affected by a decision or order issued by an inspector may appeal the decision or order, in writing, to the Chief Inspector within 30 days after its issue.

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Mining

Report Reference:

Inspection #: 2019-VM-01398

OPERATOR

BAFFINLAND IRON MINES CORPORATION 2275 Upper Middle Road East Suite 300 Oakville, Ontario L6H 0C3 MINE

Mary River Mine Site - Milne Main Camp MINE MANAGER Sylvain Proulx

Inspection Date: December 11, 2019

INSPECTOR

Viktor Mubili

Accompanied By:

Role
Secondary Officer/Secondary
Uicki Lloyd
Inspector

Inspection Details:

A general inspection of the **Milne Port Main Camp Kitchen and Commissary** was carried out on December 11, 2019. Present on the inspection visit were Vicki Lloyd (WSCC Inspector), Christopher Malley (QIL Catering Coordinator), Darryl Finlay (BIM H&S Coordinator), Blaine Taylor (BIM H&S Officer) and Kyle Hewey (BIM Fire Chief).

There were no concerns observed with eyewash stations, fire extinguisher inspection tags, shelf carrying-capacity labels and the Commissary, and the Catering Coordinator has a valid supervisor certificate.

Some concerns were identified and orders issued:

001 - No fire drills in two years;

002 - Cardboard boxes stacked to the fire suppression sprinkler heads; and

003 - Teck cables in laundry room and country kitchen not labeled.



Mining

Report Reference:

Inspection #: 2019-VM-01398

Order Number: 2019-VM-01398-001 Status: Open

Required Compliance Date: January 30, 2020

Sub-Location: Camp Emergency Response

Observations: The Qikiqtani Industry Ltd (QIL) team has not completed any fire drills of their own

and no drills have taken place with the whole camp in 2 years.

Order: Organize a fire drill as soon as possible and forward a copy of the results of the

drill to WSCC. An emergency response/fire plan must be tested at least once

annually.

The Fire Chief undertook to schedule a fire drill within the week of the

inspection and forward to WSCC a copy of the results of the drill.

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 12.01.

(1)(d) (iv):

The manager shall ensure that a fire risk assessment is carried out not later than March 31 in each calendar year for all parts of the mine, both underground and surface, and the assessment shall set out measures to be taken to reduce the hazard from fire, including evacuation procedures,

Section 12.01. The manager shall ensure that

(2):

(a) a complete audit is made of the fire risk assessment at least annually by a

qualified person; and

(b) the results of the fire risk assessment are entered in the logbook kept for that

purpose and are made available to an inspector and to the Committee.



Mining

Report Reference:

Inspection #: 2019-VM-01398

Order Number: 2019-VM-01398-002 Status: Open

Required Compliance Date: January 27, 2020

Contractor: QIKIQTANI INDUSTRY LTD.

Sub-Location: Kitchen Loading Bay Storage Room

Observations: The loading bay storage room had boxes stacked almost to the fire

suppression/sprinkler heads.

Order: Ensure the fire suppression/sprinkler heads are free from any clutter to function

properly and are easily reachable for periodic examination, as required.

Every fire suppression system and every fire extinguisher shall be examined once a

Legislation: Mine Health & Safety Regulations(Nunavut)

(5): month to ensure that it is in good working order. R-026-99,s.29.

Section 9.04: The manager shall develop and implement an effective housekeeping program to

ensure that

Section 10.42.

(a) all work sites and travelways are maintained in a safe condition;

(b) materials and equipment are stored in a manner so as not to endanger

persons; and

(c) appropriate action is taken whenever necessary to maintain a hazard-free

environment.



Mining

Report Reference:

Inspection #: 2019-VM-01398

Order Number: 2019-VM-01398-003 Status: Open

Required Compliance Date: January 28, 2020

Contractor: QIKIQTANI INDUSTRY LTD.

Sub-Location: Laundry Room and Country Kitchen

Observations: Teck cables in laundry room and country kitchen were found not labeled, as

required.

(2):

Order: Identify each cable assembly operating at a high voltage with a visible means of

identifying the equipment to which it is connected, or other means prescribed

by the mine's safety procedures,

Legislation: Mine Health & Safety Regulations(Nunavut)

Section 13.01. Except where otherwise required by these regulations, the electrical system and

electrical equipment shall meet or exceed the requirements of CSA Standard



Report Reference:

Inspection #: 2019-VM-01398

Regulatory Requirements

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