



NWB LICENCE No. 2BE-PBP1115
2015 REPORT OF ACTIVITIES

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February, 2016

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Water Licence 2BE-PBP1115 – Northquest Ltd

Executive Summary of Report on 2015 Activities

The Pistol Bay camp was opened up July 2nd. The camp is comprised of turn-key style Weatherhaven tents and a plywood kitchen. As a result, only a few hours of work were required to make the camp fully operational. The camp was in operation from July 2nd to September 29th.

The number of personnel in camp reached a maximum of 22 during the busiest portion of the program. Personnel consisted of four geologists, one geological assistant, one pilot, eight diamond drillers, four bear monitors, two core cutters, and two kitchen staff.

The bear monitors, geological assistant, core cutters and one kitchen staff member were hired from Whale Cove. A total of sixteen Whale Cove residents were used to fill these three positions.

An A-Star B2 helicopter chartered from Custom Helicopters was used to transport all drills and personnel during the program.

Diamond drilling by Top Rank Diamond Drilling occurred between July 12th and September 17th. Two Discovery 2 drill rigs were used to complete all drilling at the Vickers target. A light weight Discovery 1 drill rig was used to drill the Defender target. At any given time, only two rigs were in operation. Double-walled fuel tanks were used on all drills. At the Vickers target, 32 holes were completed for a total of 7,839 metres. At the Defender target, two holes were completed for a total of 294 metres.

Upon completion of the 2015 program, the two Discovery 2 drills were mothballed for storage at the Vickers location and the Discovery 1 drill was stored at the Pistol Bay base camp..

During the 2015 program, the F250 pick-up that has been on-site since 2013, was utilized to make trips to Whale Cove to deliver garbage and pick up groceries. As well, it was utilized to transport all locally hired employees during crew shift changes.

One of the fuel berms was moved to the helicopter pad to allow for storage of more fuel near the helicopter.

The camp drew drinking and wash water from a nearby pond. A total of 81.9 cubic metres of water were utilized during the 89 days of operation. Camp water consumption averaged 0.92 cubic metres per day.

The drilling operation drew water from three ponds and utilized 6,456.3 cubic metres of water. The drills were operational for a total of 57.5 days and consumed an average of 112.3 cubic metres per day.

All non-hazardous waste including paper and cardboard was transported to the Whale Cove municipal dump by truck every few days during the program.

Used AA and D cell batteries were transported to Ontario by F. Racicot and disposed of.

Ninety five bags of CaCl are stored inside one of the Weatherhaven tents. This tent is being used as a storage tent for the salt as well as other equipment.

A total of 175 drums of Jet A fuel and 28 drums of diesel fuel are currently stored at the base camp in the four fuel berms.

Seventy four 100 lb cylinders of propane are currently stored at the base camp.

Four drums of waste oil were delivered to the Whale Cove airport. They are currently stored there to await transportation to Arviat for final disposal in the municipality's waste oil-fired furnace. No used oil is currently stored at the base camp.

One hundred and sixty two empty propane tanks and 694 fully drained fuel drums are temporarily stored at the Whale Cove airport. The propane tanks will be returned to Churchill and the empty drums will be crushed prior to disposal at the Whale Cove municipal dump.

All grey-water generated in camp was dumped into a sump containing three perforated drums and rocks within a pit dug in sand.

Sewage was contained in pits dug beneath the two outhouses.

No unauthorized discharges occurred in 2015. All drill sites were cleared of foreign debris.

No artesian flow occurrences were noted during the drilling.

In order to comply with deficiencies noted in a Land Use Inspection carried out on July 6th, 2015, the anchor rods for boreholes PB-14-4 and PB-14-05 were cut down to ground level.

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[illegible][illegible][illegible][illegible][illegible]

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[illegible]

NWB Annual Report

Year being
reported: 2015

Select ▼

License
No:

2BE-PBP1115

Issued
Date:
Expiry
Date:

June 20, 2011

July 22, 2020

Project Name:

Pistol Bay

Licensee:

Northquest Ltd

Mailing Address:

Suite 101 – 50 Richmond St E
Toronto,
ON
M5C1N7

Name of Company filing Annual Report (if different from Name of Licensee please

General Background Information on the Project (*optional):

Licence Requirements: the licensee must provide the following information in accordance with

Part B ▼ Item 2 ▼

A summary report of water use and waste disposal activities, including, but not limited to: methods of obtaining water; sewage and greywater management; drill waste management; solid and hazardous waste management.

Water Source(s):

Ponds

Water Quantity:

1.0/day

Quantity Allowable Domestic (cu.m)

81.9

Actual Quantity Used Domestic (cu.m)

120/day

Quantity Allowable Drilling (cu.m)

6,456.3

Total Quantity Used Drilling (cu.m)

Waste Management and/or Disposal

☒ Solid Waste Disposal

☒ Sewage

☒ Drill Waste

☒ Greywater

☒ Hazardous

☐ Other:

Additional Details:

A list of unauthorized discharges and a summary of follow-up actions taken.

Spill No.: (as reported to the Spill Hot-line)

Date of Spill:

Date of Notification to an Inspector:

Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

Revisions to the Spill Contingency Plan

Additional Details:

Revisions to the Abandonment and Restoration Plan

Progressive Reclamation Work Undertaken

Additional Details (i.e., work completed and future works proposed)

Results of the Monitoring Program including:

The GPS Co-ordinates (in degrees, minutes and seconds of latitude and longitude) of each location where sources of water are utilized;

Additional Details:

The GPS Co-ordinates (in degrees, minutes and seconds of latitude and longitude) of each location where wastes associated with the licence are deposited;

Additional Details:

Results of any additional sampling and/or analysis that was requested by an Inspector

Additional Details: (date of request, analysis of results, data attached, etc)

Any other details on water use or waste disposal requested by the Board by November 1 of the year being reported.

Additional Details: (Attached or provided below)

Any responses or follow-up actions on inspection/compliance reports

Additional Details: (Dates of Report, Follow-up by the Licensee)

Any additional comments or information for the Board to consider

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Date Submitted:

February 8, 2016

Submitted/Prepared by:

Dwayne Car

Contact Information:

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705-694-5777

Fax:

email:

dwayne.car777@gmail.com

GPS Coordinates for water sources utilized

| Source Description | Latitude | | | Longitude | | |
|----------------------------|----------|-----|------|-----------|-----|------|
| | Deg | Min | Sec | Deg | Min | Sec |
| | ° | ' | " | ° | ' | " |
| Camp Water | 62 | 20 | 58 | 92 | 44 | 47 |
| Source for BH's 15-23, 25 | 62 | 21 | 0 | 93 | 06 | 2.6 |
| Source for BH's 15-8 to 12 | 62 | 19 | 31.5 | 92 | 52 | 21.5 |
| Source for all other BH's | 62 | 19 | 29.3 | 92 | 50 | 40.7 |
| | | | | | | |

GPS Locations of areas of waste disposal

| Location Description (type) | Latitude | | | Longitude | | |
|--------------------------------|----------|-----|------|-----------|-----|------|
| | Deg | Min | Sec | Deg | Min | Sec |
| | ° | ' | " | ° | ' | " |
| Kitchen and Shower Sump | 62 | 21 | 0 | 92 | 44 | 58 |
| Outhouse Pits | 62 | 21 | 1 | 92 | 45 | 1 |
| | | | | | | |
| BH 15-1 Sump | 62 | 19 | 37 | 92 | 51 | 4.6 |
| BH 15-2 Sump | 62 | 19 | 35 | 92 | 51 | 47 |
| BH 15-3 Sump | 62 | 19 | 30.3 | 92 | 51 | 4.6 |
| BH 15-4 Sump | 62 | 19 | 29.9 | 92 | 51 | 2.0 |
| BH 15-5 Sump | 62 | 19 | 32.3 | 92 | 50 | 54.2 |
| BH 15-6 Sump | 62 | 19 | 33.3 | 92 | 50 | 54.2 |
| | | | | | | |
| BH 15-7 Sump | 62 | 19 | 36.2 | 92 | 50 | 56.0 |
| BH 15-8 Sump | 62 | 19 | 42.5 | 92 | 51 | 59.9 |
| BH 15-9 Sump | 62 | 19 | 40.2 | 92 | 52 | 4.8 |
| BH 15-10,12 Sump | 62 | 19 | 42.0 | 92 | 51 | 53.3 |
| BH 15-13 Sump | 62 | 19 | 40.0 | 92 | 51 | 39.2 |
| BH 15-14 Sump | 62 | 19 | 32.7 | 92 | 51 | 54.8 |
| | | | | | | |
| BH 15-15, Sump | 62 | 19 | 23.0 | 92 | 51 | 35.6 |
| BH 15-16,18 Sump | 62 | 19 | 35.6 | 92 | 51 | 8.1 |
| | | | | | | |
| BH 15-19, 21 Sump | 62 | 19 | 36.9 | 92 | 51 | 11.7 |
| BH 15-20 Sump | 62 | 19 | 24.5 | 92 | 50 | 33.5 |
| BH 15-22 Sump | 62 | 19 | 36.6 | 92 | 51 | 15.8 |

| | | | | | | |
|-------------------|----|----|------|----|----|------|
| BH 15-23, 25 Sump | 62 | 20 | 59.6 | 93 | 06 | 18.3 |
| BH 15-24 Sump | 62 | 19 | 23.7 | 92 | 50 | 30.0 |
| BH 15-26 Sump | 62 | 19 | 29.7 | 92 | 50 | 26.7 |
| BH 15-27 Sump | 62 | 19 | 23.8 | 92 | 50 | 26.5 |
| BH 15-28 Sump | 62 | 19 | 30.7 | 92 | 50 | 33.7 |
| BH 15-29 Sump | 62 | 19 | 30.4 | 92 | 50 | 36.9 |
| BH 15-30 Sump | 62 | 19 | 30.1 | 92 | 50 | 30.2 |
| BH 15-31 Sump | 62 | 19 | 23.8 | 92 | 50 | 29.9 |
| BH 15-32 Sump | 62 | 19 | 23.8 | 92 | 50 | 33.5 |
| BH 15-33 Sump | 62 | 19 | 30.2 | 92 | 50 | 22.3 |
| BH 15-34 Sump | 62 | 19 | 33.2 | 92 | 50 | 33.8 |
| | | | | | | |
| | | | | | | |

Detailed Summary of Activities as per item 2 of PART B

Northquest Ltd's Pistol Bay camp was in operation from July 2nd to September 29th. The diamond drilling program occurred between July 22nd and September 17th.

2. a. The camp obtained drinking and wash water from a nearby pond and utilized 81.9 cubic metres during the 89 days of operation, averaging 0.92 cubic metres per day. Copies of the log recording daily use are provided in Appendix 1.

The drilling operation drew water from three separate ponds and utilized 6,456.3 cubic metres of water. During the 57.5 days of drilling, the daily water consumption averaged 112.3 cubic metres per day. Copies of the log recording daily use are provided in Appendix 1.

All non-hazardous waste, including paper and cardboard was transported to the Whale Cove municipal dump by truck every few days during the program. A copy of the log recording quantities of trash and dates of transport is provided in Appendix 1.

Four drums of used oil are currently stored at the Whale Cove airport. This oil will be transported to Arviat in 2016 for disposal by burning in the municipality's waste oil furnace.

Used AA and D cell batteries were transported to Ontario by F. Racicot and disposed of.

Ninety five 20 kg bags of CaCl are stored inside one of the Weatherhaven tents. This tent is used to store other equipment as well.

A total of 175 drums of Jet A and 28 drums of diesel fuel are currently stored at the base camp in the four fuel berms.

One of the camp's fuel berms was moved to the helicopter pad to allow for more convenient refueling. A photograph of the berm is provided in Appendix 2.

Seventy four 100 lb cylinders of propane are currently stored at the base camp.

One hundred and sixty empty propane tanks are currently stored at the Whale Cove airport and will be transported to Churchill in 2016.

Six hundred and ninety four fully drained empty drums are currently stored at the Whale Cove airport. They will be crushed and disposed of at the Whale Cove municipal dump.

All grey-water was dumped into a sump containing three perforated drums and rocks within a pit dug in sand.

Sewage was contained in pits dug beneath the outhouses.

2. b. No unauthorized discharges occurred in 2014. However

2. c. Revisions were made to the Spill Contingency Plan and Abandonment and Restoration Plan. The new plans are provided in Appendix 3.

2. d. All drill sites were cleared of foreign debris. Photographs of the sites are provided in Appendix 4.

2. e. No artesian flow occurrences were noted during the drilling.

2. f. Significant perma-frost was encountered in holes PB-15- 1 to 34. This required the use of heated water for all drilling operations. The water was heated by two oil heaters that burn diesel fuel. Approximately 100 kg of CaCl were utilized during the drill program to produce brine for downhole tests. Photographs of the water pump sites are provided in Appendix 3.

2. g. Monitoring was not requested. Therefore, no monitoring results are provided.

2. h. During the July 6th land use inspection, the inspector noted that boreholes PB-14-04 and PB-14-05 had anchor rods that were sticking too far out of the ground

This was subsequently rectified by cutting the rods down to ground level. Photographs of the two sites are provided in Appendix 5.

APPENDIX 1

SCANNED IMAGES OF DAILY WATER USE RECORDS AND GARBAGE DISPOSAL

APPENDIX 2

PHOTOGRAPH OF FUEL BERM AT HELICOPTER PAD

APPENDIX 3

AMENDED SPILL CONTINGENCY AND ABANDONMENT/RESTORATION PLANS

APPENDIX 4

PHOTOGRAPHS OF DRILL COLLARS AND WATER PUMP LOCATIONS

APPENDIX 5

PHOTOGRAPHS OF CUT OFF ANCHOR RODS AT BOREHOLES PB-14-04, 05

APPENDIX 6
PHOTOGRAPH OF CAMP



Aerial View of the Pistol Bay Camp