



2020-09-22 MBK Diesel Fuel

GN reference #: 2020-351

Please find the following information as a follow up to the Spill report submitted September 22, 2020 by Agnico Eagle Meadowbank division. This detailed report is submitted to the Inspector in compliance with the conditions under the Nunavut Water Board License 2AM-MEA1530, Part H, Item 8c.

Spill Description

During an inspection at the Baker Lake tank farm, fuel within the secondary containment and a leak at the bottom of tank 5 was observed.



Visual observation of Fuel leaking out of the tank

Spill location: 64° 18'25.73" 96° 56'41.4" within the secondary containment of tanks 5&6. There was no spill to the environment, off site impacts or discharge to any receiving watercourses. Distance to the closest water body is 425m meters to Baker Lake.

Cause of Spill

After investigation, the fuel leak occurred due to a hole forming in the flooring at the bottom of tank 5.

Remediation Actions

There were 2 main remediation action placed: emptying out Tank #5, and emptying out the secondary containment.

Fuel tank #5 was emptied as much as possible into the offshore barge. There was a remaining 500,000L at the bottom of the tank, which was manually pumped into Tank #6.

The water and fuel within the secondary containment of tanks 5 & 6 was pumped into 50 000L fuel tanks and brought back to the Meadowbank facilities. Fuel was segregated as much as possible by locating the pump suction at the surface to pump fuel out first. A total volume of 403,000L of contaminated water was retrieved, and sent to the Meadowbank facilities, while approximately 100,000L of fuel was able to be retrieved. This brings a total volume retrieved from the secondary containment of 503,000L, with all of the spill contaminants contained within the secondary containment of the fuel tanks.

Corrective measures

Following the emptying of Tank #5, Agnico Eagle hired Mequaltech to inspect the fuel reservoir. Mequaltech is certified by API to produce out of service inspection, and to return repaired tank in service. The inspection covered the roof, side walls as well as the flooring and foundation of the tank. The inspection revealed the roof and side walls to be in good conditions. There was some settlement in the foundation, however this was within acceptable range to be recertified under API 653 B.2.3. The floor was fully inspected. Some minor imperfections, as well as 1 hole were identified and repaired. Each of the repairs were tested, and all passed the tests. The full inspection report was issued by Mequaltech on October 26th, 2020.



Patch plate over hole inside Fuel Tank #5

As Tank #6 was built at the same time as Tank #5, an action plan was put in place to accelerate its emptying out. Once the tank will be empty, it will be inspected by Melqualtech, and if necessary repaired.

Closure

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank site on September 22, 2020 and the cleanup activities. Please contact the undersigned should you have any questions.



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