ALAMOS GOLD INC.
YOUNG-DAVIDSON

December 6, 2017

Steven Momy
Senior Environmental Officer
Ministry of Environment
Ontario Government Complex
Highway 101 East, PO Bag 3080
South Porcupine, Ontario P0N 1H0

Re: Seepage Overflow at TIA-7 – Initial report

Mr. Momy,

This report contains the details of the seepage overflow which occurred at the Young-Davidson tailings impoundment area (TIA7) and reported to the Spills Action Centre and to yourself on December 1, 2017.

Incident details:

At 8:45 am on December 1, 2017 during the dayshift inspection of the Tailings Impoundment Area, it was observed that seepage was visible downstream of seepage well #6, located at the toe of the west dam of tailings facility TIA7 (see Figure 1). It was observed that the seepage was flowing down gradient towards Mistinikon Lake. The total volume of seepage that flowed into the environment, prior to containment, is estimated at 75 m^3.

Immediate actions:

Initial actions included placing a temporary containment berm of clean sand material to stop the flow of seepage. Portable pumps were utilized to redirect the seepage water from the containment pond back to seepage well #2. Environmental water samples from various locations were collected and sent to the lab for analyses. By 11:30 am flows from the seepage containment area were no longer migrating into the downstream environment.

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As an additional precautionary measure, the outflow of a nearby, natural spring was also blocked off with sand bags and the flow redirected to the #2 seepage well using portable pumps. Flows from the spring area to the downstream environment were contained by 5:30 pm. Additional emergency response personnel were called out to provide 24 hour coverage for all pumps that were put in place to contain the seepage. Monitoring of the site on a 24 hour basis continues to date.

In addition to the seepage mitigation measures, a visual dam inspection was conducted, and it was confirmed that no deformations were visible along the west dam structure.

Investigation and Follow-up Actions:

Our tailing dam engineer arrived on site the morning of December 2nd to conduct a site tour to ensure dam integrity and assist with the investigation to determine the cause of the incident. At this time it is confirmed that the physical integrity of the tailings facility has not been affected by the seepage. Monitoring of the downstream environment including Mistinikon Lake is being carried out. An incident investigation is ongoing to determine the cause of the seepage escaping the seepage collection ditch. Further information will be provided with the results of the investigation.

Should you have any questions, please do not hesitate to contact me at your convenience.

Sincerely,

Nancy Duquet-Harvey
Environmental Superintendent

Cc: Luc Guimond, Alamos Gold
Nils F. Englestad, Alamos Gold
Peter MacPhail, Alamos Gold
Chris Mahon, MOECC
Matachewan First Nation
Temagami First Nation


ML DS
ADHOC10
ADHOC22
ADHOC11
ML US
MW1101
WDSW (Spring)
WSCF6 - Seepage Collection Well
WSCF2 - Seepage Collection Well

Figure 1