

**From:** Paulson, Oscar (RTE) [Oscar.Paulson@riotinto.com]  
**Sent:** Monday, February 06, 2012 6:53 PM  
**To:** Webb, James  
**Cc:** Schutterle, Shelley (RTE); Kelley, Harold (RTE)  
**Subject:** TMW-10- Failure of Well

James Webb:

A monitor well completed in the bottom of the site's Diesel Contaminated Soil Excavation (it was installed there via excavation with a track hoe) has ceased to pump water. It failed today. It is believed that the well has either filled with sand or that the pump has failed due to sand. This well is not required to be sampled either in:

- Source Material License SUA-1350 or in;
- Table 5-1 NRC Standby Environmental Monitoring Summary referenced in License Condition 11.5.

Regardless, the well was sampled on a quarterly basis and the sample results were reported in the Annual Corrective Program (CAP) Review.

This well is located approximately ninety (90) feet below surface in the bottom of the Diesel Contaminated Soil Excavation adjoining the excavation's southern highwall. It was sampled via a pump installed in it with a sample pipe (polyethylene pipe) and power cable run from the pump to the surface. Sample collection was done from the surface due to the risks of entering the excavation and working near the well which is adjacent to a potentially unstable highwall. No attempt will be made to repair this well at this time due to its proximity to the excavation highwall and the risks that the highwall poses to personnel working near it. Thus sample data for this well will not appear in the 2012 Corrective Action Program (CAP) Review. The well was successfully sampled on a quarterly basis in 2011.

Water level data for this well is gathered via a pressure transducer installed in the well and downloaded via a cable at the surface. When last checked the pressure transducer was still functioning.

Oscar Paulson

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