Robertson GeoConsultants Inc.

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Memorandum

DATE:

July 17, 2006

TO:

Valerie Chort, Deloitte & Touche

CC:

Wes Treleaven, Deloitte & Touche

FROM:

Christoph Wels, Robertson GeoConsultants Inc.

RE:

Final Inspection of Decommissioned "Leaky Wells", Rose Creek

Tailings Facility

Between September 30 and October 1, 2005, a total of 17 "leaky" monitoring wells of the P01 series had been sealed by pumping a bentonite slurry into the PVC casing (Robertson GeoConsultants Inc., 2006). In the decommissioning report it was recommended that these wells be inspected after spring thaw to check on the conditions of the decommissioned wells.

On July 13, 2006, the author inspected all 17 decommissioned wells. During the visit, the wells were photographed and the conditions of the bentonite seal were noted. The field notes from this site visit are reproduced in Appendix 1. The photographs of the 17 decommissioned wells are summarized in the photo log.

In short, no settlement of the bentonite seal was observed in any of the decommissioned wells suggesting no significant losses of the bentonite placed in the PVC casing. Furthermore, the bentonite seal exhibited a putty-like consistency within 4 to 6 cm depth below the top of the PVC casing. These observations suggest that the bentonite seal remains hydrated (all the way to surface) providing a proper seal throughout the entire PVC casing.

No further inspections of the decommissioned wells are required at this stage. However, we recommend that the water quality monitoring data for the multi-level piezometer P03-03, located immediately downgradient of the decommissioned wells P01-09A/B/C/D, be reviewed to assess the effectiveness of the well sealing and to provide some insight into the degree of sorption/desorption of zinc within the aquifer.

Please contact the undersigned if you have any questions regarding this memorandum.

ROBERTSON GEOCONSULTANTS INC.

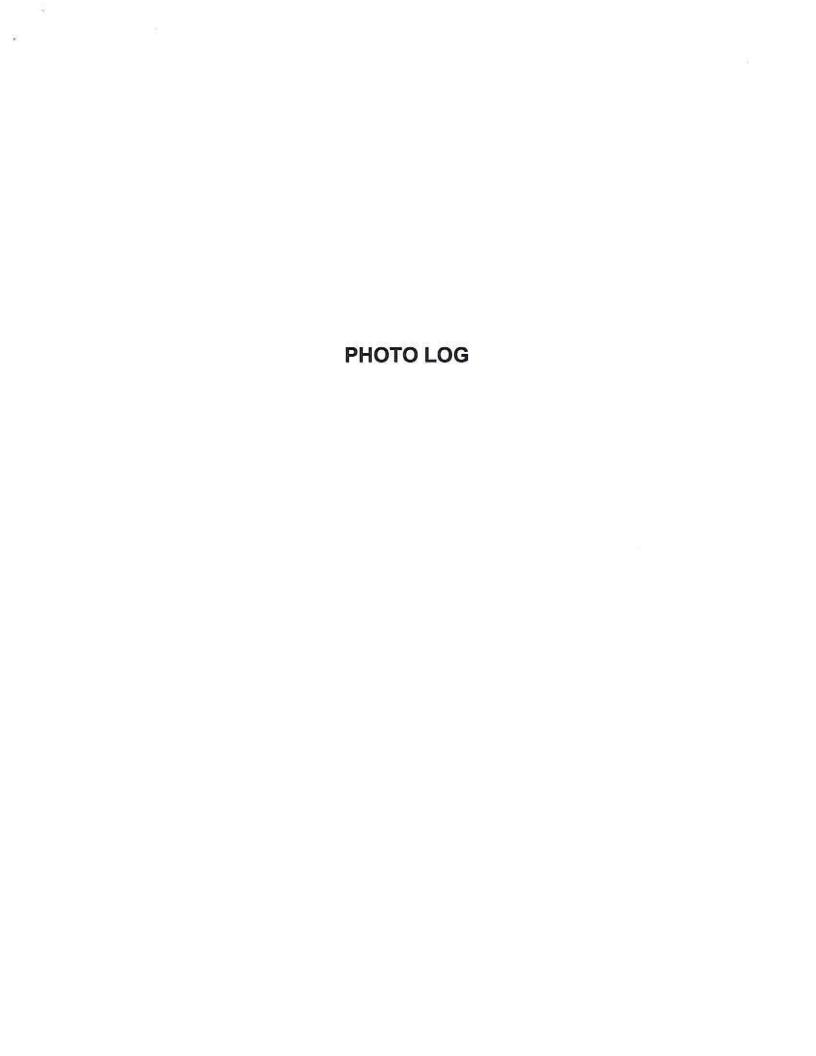
Christoph Wels, Ph.D. Senior Hydrogeologist

Mutal US

Att

Photo Log

Appendix 1. Field Notes for site visit of July 13, 2006



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Photo 1 - bentonite seal at P01-09A



Photo 3 - bentonite seal at P01-09C/D



Photo 2 - bentonite seal at P01-09B



Photo 4 - putty-like seal at 7 cm bTOC at P01-09C





Photo 7 - bentonite seal at P01-08A

Photo 8 - bentonite seal at P01-08B





Photo 9 - bentonite seal at P01-08C



Photo 11 - putty-like seal at 6 cm bTOC at P01-08C

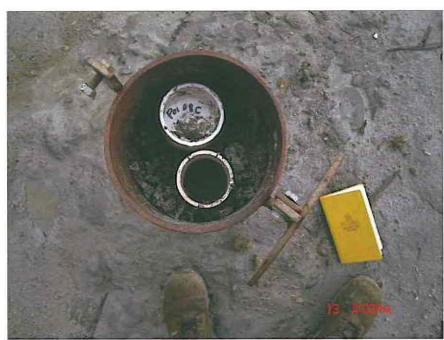


Photo 10 - bentonite seal at P01-08A



Photo 12 - putty-like seal at 6 cm bTOC at P01-08B



Photo 13 - putty-like seal at 7cm bTOC at P01-10A



Photo 15 - bentonite seal at P01-07A



Photo 14 - bentonite seal at P01-10B



Photo 16 - bentonite seal at P01-07B



Photo 17 - bentonite seal at P01-07D/E

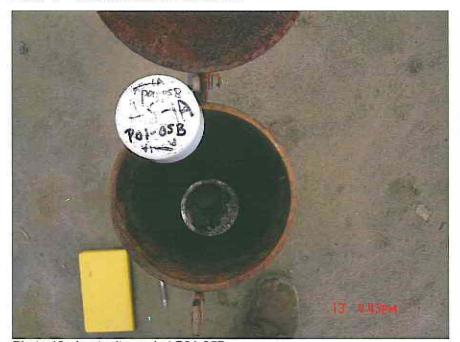


Photo 19 - bentonite seal at P01-05B



Photo 18 - bentonite seal at P01-06A



Photo 20 - bentonite seal at P01-05A

APPENDIX 1

FIELD NOTES

