

**FIVE-YEAR REVIEW REPORT**  
**KENNECOTT NORTH ZONE SUPERFUND SITE**

**APPENDIX H: PERMIT COMPLIANCE BY OPERABLE UNIT**

Operable Unit (OU)	Permit Compliance
<i>OU13 Smelter and Acid Plants</i>	Permit compliance was not specifically required under the September 2002 ROD. However, such compliance is pertinent to ensure the success of the CERCLA response actions. Since 2002, Kennecott has maintained compliance with the requirements of DWQ's GWPP permit #UGW350008; see Appendix D. Since 2008, Kennecott has maintained compliance with the requirements of DAQ's permit and two approval orders for the Smelter (i.e. Title V Operating Permit #3500030002 and Approval Orders #DAQE-AN0103460049-11 and #DAQE-AN103460052-13); see Appendix D.
<i>OU14 Refinery</i>	As noted in Appendix I, permit compliance was not specifically required under the September 2002 ROD. However, such compliance is pertinent to ensure the success of the CERCLA response actions taken at OU14 (as well as OU22 and OU23). Since 2008, Kennecott has maintained compliance with the requirements of DAQ's permit and two approval orders for the Smelter (i.e. Title V Operating Permit #3500030002 and Approval Orders #DAQE-AN0103460049-11 and #DAQE-AN103460052-13); see Appendix D. The current Refinery and Precious Metals Plant do not have discharges to surface or ground water and thus do not require permits under DWQ's programs. Kennecott has maintained compliance with the reclamation requirements of DOGM's bond #M0350002; see Appendix D.
<i>OU15 Mills and Tailings Pond</i>	As noted in Appendix I, permit compliance was not specifically required under the September 2002 ROD. However, such compliance is pertinent to ensure the success of the CERCLA response actions taken at OU15 (as well as OU23). Since 2002, Kennecott has maintained compliance with its GWPP permits (#UGW350015 – North Concentrator and #UGW350011 – Tailings Impoundments), its UPDES permit (#UT0000051) for the outfalls on the north end (i.e., #002 – C-7 Ditch, 007 – C-7 Ditch, 008 - GSL, 011 – Riter-Utah Salt Lake Canals, and 012 – GSL), its DAQ permit and approval order (Title V Operating Permit #3500346002, #DAQE-AN105720026), and its reclamation requirements under the bonds issued by DOGM (#M0350002 – Bingham Canyon Mine which includes the South Tailings Impoundment, Diving Board Tailings, and mills, and #M0350015 – North Tailings Impoundment); see Appendix D.

Operable Unit (OU)	Permit Compliance
<i>OU19 Smelter Fallout</i>	As noted in Appendix I, permit compliance was not specifically required under the September 2002 ROD. However, compliance will ensure that emissions from the Smelter (OU13) and Refinery (OU14) do not adversely affect downwind locations due to unknown concentrations of COCs, and could ensure that seed mixtures (for revegetation efforts) do not include seeds from palatable plant species which can uptake selenium. Kennecott has maintained compliance with DAQ's permits and approval orders (Title V Operating Permit #3500030002 and Approval Orders #DAQE-AN0103460049-11 and #DAQE-AN103460052-13); see Appendix D. Kennecott has maintained compliance with the reclamation requirements of the DOGM Bond (#M0350002); see Appendix D. In an email from Ann Neville dated March 27, 2013 Kennecott reports its reclamation seed mixtures do not contain seeds of palatable plants which can uptake selenium (see Appendix D).
<i>OU22 Great Salt Lake, Shoreline Wetlands and OU23 North End Groundwater</i>	Compliance is pertinent to ensure the success of the CERCLA response actions at OU22 and OU23. Since 2002, Kennecott has maintained compliance with the requirements of DWQ's GWPP permit #UGW350008 which covers operations at the smelter (see Appendix D). Since 2002, Kennecott has maintained compliance with its GWPP permits (#UGW350015 – North Concentrator and #UGW350011 – Tailings Impoundments), and its UPDES permit (#UT0000051) for the outfalls on the north end (i.e., #002 – C-7 Ditch, 007 – C-7 Ditch, 008 - GSL, 011 – Riter-Utah Salt Lake Canals, and 012 – GSL); see Appendix D.