

**Final Project Completion Report**

**Project Name and Number:** BCWTP Manganese Filters, #4091

**Project Description:** The manganese concentration in one of the wells feeding the Kennecott Bingham Canyon Water Treatment Plant (BCWTP) increased significantly since original plant start-up. This resulted in an increased manganese concentration in the BCWTP untreated bypass stream. JWVCD and Kennecott contracted to jointly fund a manganese filter to alleviate this problem. This filter was installed in Spring - Summer 2018 and has been operating since August 2018. JWVCD engineering provided technical assistance, submittal review, and final project inspection. Manganese concentrations are tested monthly and have been "non-detectable" to date. Water quality monitoring will continue during the one-year warranty period. West Jordan City reports no colored water complaints from its customers to date

**District Project Manager:** David McLean

<b>Engineer:</b>	<b>HBC International</b>	<b>Design Status: 100%</b>
<b>Supplier:</b>	<b>Westech Engineering Inc.</b>	<b>Supply Status: 100%</b>
<b>Installation Contractor:</b>	<b>Crossroads Construction</b>	<b>Construction Status: 100%</b>
JWVCD original not-to-exceed cost sharing amount:		\$300,000
Total invoices to Kennecott:		\$290,830
Total invoiced as percentage of amount approved (at project completion):		96.9%



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Pressure vessel delivery



Setting of pressure vessel



JVWCD finished water testing chamber for visual inspection of filter efficiency



Pressure vessel interiors before installation of under



Installed and operating manganese pressure filter