

Table 3-3. Operational Parameters and System Performance of KR4 P&T System

<b>Total Processed Groundwater</b>	<b>CY 2012</b>	<b>CY 2013</b>
Total amount of groundwater treated (since September 1997 startup) (billion L)	6.2	6.7
Total amount of groundwater treated during CY (million L)	447.8	553.3
<b>Mass of Hexavalent Chromium Removed</b>		
Total amount of hexavalent chromium removed since September 1997 startup (kg)	360.3	366.4
Total amount of hexavalent chromium removed in CY (kg)	5.36	6.1
<b>Summary of Operational Parameters</b>		
Removal efficiency (% by mass)	81.4	94.7
Waste generation (m <sup>3</sup> )	15.11	78.6
Regenerated resin installed (m <sup>3</sup> )	4.5	0
New resin installed (m <sup>3</sup> )	13 <sup>b</sup>	0
Number of resin vessel changeouts	9 <sup>c</sup>	0
<b>Summary of System Availability</b>		
Total possible run-time (hours)	8,784	8,760
Total time online (hours)	8,710.4	8,676.6
Total availability (%) <sup>a</sup>	99.2	99.0

a. Total availability [(total time online) ÷ (total possible run-time)].

b. Newly installed resin is SIR-700 installed in two vessels in each ion exchange treatment train.

c. Includes changeout of Dowex 21K to SIR-700 resin in ion exchange vessels.

CY = calendar year