

Effluent flow measurements were recorded daily. The results of VOC and inorganic constituent analyses, flow measurements, and field parameter measurements from the effluent indicate the system is in compliance with the NPDES permit. Laboratory analytical results for treatment system samples analyzed for TCE, inorganic constituents, and toxicity are summarized in Tables 2, 3, and 4, respectively.

2.2 OFF-SITE GROUNDWATER REMEDIATION

Off-site groundwater remediation consists of the 100-foot zone and multizone remediation systems and domestic wellhead treatment systems. The off-site groundwater remediation systems are permanently shut down in accordance with RWQCB approval letters (RWQCB, 2009 and 2011). The wellhead treatment systems are installed at four domestic supply wells adjacent to the site where there have been historical TCE detections at concentrations greater than 3 µg/L in well water samples. Historically, TCE was detected at trace concentrations in the Weaver School well until 1994. A wellhead treatment system was installed at the Weaver School in 1993 as a precautionary measure. In 2008, the school elected to bypass the treatment system for its well and reportedly connected the well to the school's landscape irrigation system.

When operating, extracted groundwater is treated using liquid-phase GAC at the off-site and wellhead treatment systems. Treated water from the 100-foot zone and multizone systems is discharged to the MID Hartley Lateral Canal west of the former Kendall site (Figure 9) and sampled in accordance with the NPDES permit.

2.2.1 Former 100-Foot Zone Remediation System

The 100-foot zone treatment system has been permanently shut down in accordance with a May 13, 2009, RWQCB letter (RWQCB, 2009). During monitoring events, samples are collected from well MW-46A using the pump and purge method as described in Section 2.3.2.

2.2.2 Multizone Remediation System

The multizone treatment system has been permanently shut down in accordance with a September 16, 2011, RWQCB letter (RWQCB, 2011). During monitoring events, samples are collected from well MW-57D using the pump and purge method as described in Section 2.3.2.

2.2.3 Domestic Wellhead Treatment Systems

Wellhead treatment systems are installed at the Weaver School supply well and domestic wells located at 409 North Coffee, 459 North Coffee, 81 North Coffee, and 3160 East Childs. The domestic wellhead systems at 409 North Coffee and 3160 East Childs consist of 20 cubic feet (or approximately 550 pounds) of GAC underlain by 500 pounds of gravel filter medium. The domestic wellhead systems at 81 North Coffee and 459 North Coffee consist of about