INFORMATION SHEET

ORDER R5-201X-XXXX
CITY OF CLOVIS
CORRECTIVE ACTION
CITY OF CLOVIS MUNICIPAL SOLID WASTE LANDFILL
FRESNO COUNTY

The City of Clovis (hereinafter Discharger) owns and operates the City of Clovis Municipal Solid Waste Landfill (facility) about eight miles north of the City of Clovis, in Section 28 and 29, T11S, R21E, MDB&M. The proposed Order revises the existing WDRs to provide for construction, operation, and corrective action. The facility is on a of 210-acre property (including buffer areas) at 15679 Auberry Road, Clovis. The existing and future landfill area is approximately 76.3 acres of which 38.62 acres have been constructed.

The waste management facility is in a topographically hummocky region of the Sierra Nevada foothills. The native ground surface elevation ranges between approximately 380 feet above mean sea level at the southern boundary of the facility and 490 feet above mean sea level at the northern facility boundary. The waste management facility is primarily on the cobbly-clay deposits of the Centerville series and the sandy-loam deposits of the Cometa series. The soils underlying the facility are alluvial soils, consisting of interbedded silty-clay, silty-clayey-sand, and gravelly-cobbly-sand. The soils overlie fractured bedrock at depths ranging from ten to 100 feet below ground surface.

The depth to first encountered groundwater ranges from about 40 feet below the native ground surface in the southwestern portion of the landfill to greater than 80 feet below the native ground surface in the northern portion. Groundwater elevations range from about 350 feet MSL to 370 feet MSL. Monitoring data indicate background groundwater quality for first encountered groundwater has electrical conductivity (EC) ranging between 300 and 1,000 micromhos/cm, with total dissolved solids (TDS) ranging between 150 and 800 milligrams per liter (mg/L). The direction of groundwater flow is generally toward the south beneath the facility. Groundwater flow directions across the landfill converge toward the south end of the landfill and flow southwesterly within the Little Dry Creek flood plain. Groundwater gradients are typically 0.005 within the Little Dry Creek floodplain, 0.018 in the eastern portion of the landfill, and 0.024 in the western portion of the landfill.

The Waste Discharge Requirements are being revised to provide for corrective action. The vertical and lateral extent of a release of volatile organic compounds (VOCs) to groundwater was determined in an August 1996 Evaluation Monitoring Program (EMP). A recent determination has been made that inorganic constituents are believed to reside within the same VOC outlined area. In an effort to remove the source of contamination, the City of Clovis moved forward in June of 2000 by excavating discharged materials from the unlined inactive 27-acre waste management cell in order to remediate environmental impacts related to the cell and reclaim daily cover soils. The project was completed in November of 2010 and involved the excavation of the inactive area materials beginning at the western end and proceeding easterly through the unlined area. The excavated materials were sorted to separate the refuse from the soil, and refuse relocated to existing lined cells while extracted soil was stockpiled to re-use as daily cover. In addition to source removal as a corrective action alternative, the City of Clovis implemented additional measures to address landfill gas migration. Those measures included: installation of an active gas collection and control system; installation of five compliance methane monitoring wells, MMW-128 through MMW-132, along the southern property line (along Auberry Road); removal of six methane monitoring wells from the list of compliance wells located along the former southern boundary line (along the

permitted disposal area perimeter); and removal of waste adjacent to the sole non-compliant northern perimeter methane monitoring well in 2007.

The Board's rescission of prior waste discharge requirements and/or monitoring and reporting orders does not extinguish any violations that may have occurred during the time those waste discharge requirements or orders were in effect. The Central Valley Water Board reserves the right to take enforcement actions to address violations of prior prohibitions, limitations, specifications, requirements, or provisions of rescinded waste discharge requirements or orders as allowed by law.