**PLAIN LANGUAGE SUMMARY**

**INDIVIDUAL INDUSTRIAL WASTEWATER APPLICATION**

*The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 Texas Administrative Code Chapter 39. The information provided in this summary may change during the technical review of the application and are not federal enforceable representations of the permit application*.

Constellation Handley Power, LLC (Constellation) (CN 605469162 ) operates Handley Generating Station (Handley or Station) (RN 102336906), a three-unit gas-fired, steam electric generating facility. The facility is located on the northwest shore of Lake Arlington, 6604 East Rosedale Street, in Fort Worth, Tarrant County, Texas 76112.

This application provides information in support of a major amendment to address the free available chlorine loading limit in the current permit. The loading limit was miscalculated in the 2017 draft permit. As instructed by the Texas Commission on Environmental Quality (TCEQ) in its response to comments on the draft permit, Constellation has submitted this application for a major amendment to seek a correction in this mass loading limit; the corrected limit would be 463 lbs/day (daily average) and 1,156 lbs/day (maximum). This permit authorizes the discharge of pollutants into water in the state in compliance with applicable laws and regulations. Due to changes that have occurred since the current permit was issued and as shown in the application for the major amendment, Constellation is also seeking to update certain information on the name of the owner/operator and facility to reflect current corporate records and the names of Station personnel with responsibilities regarding this permit.

Handley collects, treats, and discharges wastewater via two outfalls. Outfall 001 consists of once-through cooling water and previously monitored effluents which are discharged to Lake Arlington via the Discharge Canal. Outfall 201 consists of multiple locations discharging to Lake Arlington via the Intake and Discharge Canals and is comprised of low-volume wastes, auxiliary cooling water, and stormwater runoff.

Both Outfall 001 and Outfall 201 are subject to federal effluent limitation guidelines at 40 CFR Part 423. Consistent with 40 CFR Part 423, Handley’s permit includes limits on: free available chlorine, total residual chlorine, total suspended solids, oil & grease, pH, and temperature. Additional information on potential pollutants can be found in Worksheet 2.0 of the Industrial Wastewater Application Technical Report submitted to TCEQ in March of 2020 as part of Constellation’s permit renewal application.

Cooling water is supplied by Lake Arlington. Fort Worth Municipal Water supplies the facilities’ potable water and boiler make-up water. Water from Lake Arlington is withdrawn at the intake structure and treated with sodium hypochlorite and Spectrus CT 1300 to prevent biofouling and then passes through condensers and auxiliary equipment on a once-through basis to cool equipment and condense exhaust steam. Low volume wastewater from boiler blowdown from Unit 3 receives no treatment prior to discharge via Outfall 201. Low volume wastewater from boiler blowdown for Units 4 and 5 first passes through the neutralization basin (used for pH adjustment and heat dissipation) prior to discharge via Outfall 201. The oil/water separator discharges via Outfall 201. Floor drains and sumps, as well as stormwater drains, are located throughout the facility and discharge to both Outfall 001 and Outfall 201. Domestic wastewater is discharged to Village Creek Wastewater Treatment Plant, an off-site POTW (WQ0010494013), for treatment and disposal.