



STATEMENT OF BASIS FOR MAJOR MODIFICATION

OF ARIZONA POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT NO. AZ0020443

The Figueroa Avenue Water Pollution Control Facility (WPCF) is a Publicly Owned Treatment Works (POTW) with a design capacity of 12 million gallons per day (mgd) and is considered to be a major facility under the AZPDES Program. The receiving water for Outfall 001 is the Colorado River in the Colorado / Lower Gila River Basin with the designated uses of Aquatic and Wildlife warm water (A&Ww), Full Body Contact (FBC), Fish Consumption (FC), Agricultural Irrigation (AgI), Agricultural Livestock Watering (AgL), and Domestic Water Supply (DWS).

Pursuant to A.A.C. R18-9-B906, the Arizona Pollutant Discharge Elimination System (AZPDES) permit is being modified to remove language requiring extending the outfall through a wetland to the Colorado River, to allow for a mixing zone in the restored wetland restored and maintained by Bureau of Land management (BLM), and to require further study of the effluent's fate and transport through the wetland to the Colorado River.

- The current permit includes the requirement to build a new channel that empties into the Colorado River. With the restoration of the wetland adjacent to the Colorado river, this channel is no longer beneficial or warranted.
- Monitoring will occur 500 meters from the end of pipe as well as the edge of the wetlands where the water exits the wetland into the Colorado River and upstream from the outfall.
- Data shall be collected for the rest of the permit term to ensure that mixing zone criteria are being met.

Public Notice (A.A.C. R18-9-A907) / Public Comment Period:

These changes are considered a major modification. This proposed modification will be public noticed for a 30-day comment period prior to issuance of the final permit decision.

EPA Review (A.A.C. R18-9-A908(C))

A copy of this draft permit modification any revisions made to this draft as a result of public comments received will be sent to EPA Region 9 for review. If EPA objects to a provision of the draft, ADEQ will not issue the permit until the objection is resolved.

Information Sources:

While developing effluent limitations, monitoring requirements, and special conditions for the draft permit, the following information sources were used:

1. ADEQ files on City of Yuma Figueroa WWTP.
2. Arizona Administrative Code (AAC) Title 18, Chapter 11, Article 1, *Water Quality Standards for Surface Waters*, adopted December 31, 2016
3. A.A.C. Title 18, Chapter 9, Article 9. *Arizona Pollutant Discharge Elimination System rules.*
4. Code of Federal Regulations (CFR) Title 40:
Part 122, *EPA Administered Permit Programs: The National Pollutant Discharge Elimination System.*
Part 124, *Procedures for Decision Making.*
Part 133. *Secondary Treatment Regulation.*
Part 503. *Standards for the Use or Disposal of Sewage Sludge.*
5. U.S. EPA NPDES Permit Writers' Manual, September 2010.