



Douglas A. Ducey
Governor

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY



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Director

Aquifer Protection Permit Field Inspection Report

This checklist is provided as a tool for permit holders and ADEQ staff to have a consistent understanding of the major compliance expectations under this permit. This checklist is designed to be easy to read and follow. It is intended only to address the permit requirements that ADEQ feels are the most important to protect human health and the environment. This list does not include every permit condition and permit holders should ensure they understand the full requirements of their permit. This list does not supplant or supersede any legal requirement and is not binding on the permit holder or ADEQ staff.

Facility Name: Pine Creek Canyon Domestic WWTs Place ID: 278	Inspection No: 379700 Inspection Date: 08/20/2021
Inventory/Permit #: 102949 Current LTF#: 28565	Inspector(s): Ashley Devore
Facility Address: T12N, R8E, S25 City, State, Zip: Pine, AZ County: Gila	Inspector Phone: 602-693-2008 Inspector Email: devore.ashley@azdeq.gov
Permittee/Responsible Party: Pine Creek Canyon Domestic Water Improvement District Contact: Pat Carpenter Mailing Address: P.O. Box 190 City, State, Zip: Pine, AZ 85544 Phone: 928-606-0498 Email: pataqualitywater@gmail.com	WWTP Population Served: 130 Treatment Plant Grade: 2 Collection System Grade: 1
Operator/ID: Jim Bossert/OP025312, Pat Carpenter/OP007600 Phone: 928-606-0498 (Pat) Email: caddpharm@yahoo.com (Jim) and pataqualitywater@gmail.com (Pat) Op. Cert. Grade/Expiration: 3C, 3D, 3T, 2W (Jim) and 2C, 2D, 3T, 3W (Pat)	Compliance Summary: Certified Operator <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Physical Facilities <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Monitoring and Reporting <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Results of Inspection:

- ☒ No deficiencies were noted during the course of the inspection. No ADEQ action will result from this inspection.
- ☐ Potential deficiencies were noted during the course of the inspection. Additional correspondence regarding this inspection may be forthcoming.
- ☐ Notice of Opportunity to Correct Deficiencies (NOC)
- ☐ Notice of Violation (NOV)

Inspection Report Issued: Choose an item.

Facility Initial:

ADEQ Initial:

Potential Deficiencies:

- Disch Line UV Process -12064: Nitrogen – Nitrate Total as N on 01/27/2021
- Disch Line UV Process -12064: Total Nitrogen as N 1 on 01/27/2021

PHOTOGRAPHS TAKEN DURING INSPECTIONS ARE AVAILABLE ON REQUEST

Requirements: C: Compliance, NC: Non-Compliance, P: Pending, N/A: Not Applicable

Documentation:	Requirement met?	Comments
Non-submittals or exceedances within the last six quarters of SMRF reporting.	<input type="checkbox"/> C <input checked="" type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	At the time of the File Review conducted on 07/23/21 – two potential deficiencies were found. See the Potential Deficiencies section on page 1.
The required notifications provided for violation of any permit condition, discharge limit, or exceedance of an alert level. (list notifications in Comments)	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	For the potential deficiencies listed on page one, notifications were provided for the violations listed. Exceedances due to the blowers being out and not enough methanol added. Blower has been fixed since then, and methanol levels adjusted. No further exceedances have been reported.
SMRFs and monitoring requirements were discussed with the facility.	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	Person in charge of SMRF reporting: Pat Carpenter
Facility has any outstanding or overdue compliance schedule items. (Section 3.0 in the permit)	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	
A copy of the current signed permit on-site.	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	
A copy of the operations and maintenance manual on-site.	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	
A copy of the approved contingency/emergency response plan on-site.	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	A copy of the contingency/emergency response plan will be emailed to inspector after the inspection.
Unauthorized discharge of suspected hazardous, toxic, or non-hazardous materials. If so list corrective actions taken. (Section 2.6.5)	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	
Facility Description and Operational Monitoring Requirements	Requirement met?	Comments
Log book of the inspections and measurements required by this permit updated and current.	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	
Facility treatment processes match what is in the current permit.	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	WWTS operates 40,460 GPD: <ul style="list-style-type: none"> • Equalization basin • Reactors where effluent is nitrified, denitrified, and disinfected with UV radiation • Percolation Pond • Sludge holding tank
Facility being maintained according to the Operations and Maintenance Manual.	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	Performed a sludge judge test during inspection which produced good results.
Freeboard in percolation pond: Minimum 2 ft. measured from elevation 5516 MSL	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	
Freeboard in Evaporation Pond: Minimum 3 ft.	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	
Treatment plant components appear to be in working order.	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	
Berm integrity: no visible erosion	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	

Pump integrity: appears to be in good working condition	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	
Compliance Monitoring	Requirement met?	Comments
POC #1 – Southeast corner of the facility boundary and downgradient of the WWTP Loc: 34° 23' 32" N 111° 27' 28" W <ul style="list-style-type: none"> • Location verified? • Does the well appear to be in working order? 	<input type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input checked="" type="checkbox"/> N/A <input type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input checked="" type="checkbox"/> N/A	Compliance samples are taken after UV disinfection.
Field Methods – Facility is using applicable on-site calibrations and quality assurance for BOD, T, pH, and turbidity?	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	
Facility has a written QA manual for all analysis done on-site.	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	
ADHS approved methods used for all analyses.	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	
Facility has a method detection limit study for lab methods?	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	
On-site lab instruments properly calibrated.	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	
On-site calibration and baseline reagents within expiration dates.	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	
On-site flow meters properly calibrated.	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	Calibrated according to specs.
Facility has bench log sheets.	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	

RECOMMENDATIONS AND POTENTIAL DEFICIENCIES: