

ADEQ Water Quality Report Analysis

2024 Q3 - July 1- September 30

- During quarter 3, there were no exceedances of permit limits observed in the samples collected from the Coconino monitoring wells or the Redwall-Muav monitoring well. Sump water continues to be stored and evaporated at the lined on-site non-stormwater pond.
- The mine shaft pump operated for 91 of 92 days in the quarter averaging 9,046 gallons per day.
- ADEQ performed an inspection of the facility on October 8 and October 9 and found the facility to be in compliance. While on-site for the inspection, ADEQ staff collected split samples from all points of compliance and the outflow pipe of the mine shaft for independent analysis and verification of the fourth quarter's sampling event.
- The most recently collected samples from the mine sump's outflow pipe into the lined non-stormwater impoundment have validated an increase in both uranium content and measured radio activity first observed in the Q2 data. The increase in uranium content is expected with the increase in underground activity following the start of mining operations earlier this year. No significant increase in uranium content or activity has been observed in the Coconino monitoring wells surrounding the mine shaft or in the Redwall-Muav aquifer mine supply well, indicating that the sump liner and non-stormwater impoundment are operating as designed to contain mine drainage.