

Annual Groundwater Monitoring Report

Public Service Company of Oklahoma
Oklaunion Power Station
Pond 6, Pond 21, Pond 22, Pond 23, and Wastewater and
Sludge Pond CCR Management Units
Vernon, Texas
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Appendix I

I. Overview

This *Annual Groundwater Monitoring Report* (Report) has been prepared to report the status of activities for the preceding year for an existing CCR unit at Public Service Company of Oklahoma's, a wholly-owned subsidiary of American Electric Power Company (AEP), Oklaunion Power Station. The USEPA's CCR rules require that the Annual Groundwater Monitoring Report be posted to the operating record for the preceding year no later than January 31, 2018.

This report covers all five CCR units at the site: Pond 6, Pond 21, Pond 22, Pond 23, and Wastewater and Sludge Pond.

In general, the following activities were completed:

- Pre-existing monitoring well data were evaluated to determine if an aquifer was present at the site. It was determined that no aquifer is present at the site. See AEP's *Groundwater Monitoring Network Design Report (3/9/2017)*;

The major components of this annual report, to the extent applicable at this time, are presented in sections that follow:

- A map, aerial photograph or a drawing showing the CCR management unit(s).

In addition, this report summarizes key actions completed, and where applicable, describes any problems encountered and actions taken to resolve those problems. The report includes a projection of key activities for the upcoming year.

II. Groundwater Monitoring Well Locations and Identification Numbers

The figure that follows depicts the location of the CCR units. There are no monitoring wells since there is not an aquifer to monitor.



III. Monitoring Wells Installed or Decommissioned

There were no monitoring wells at this site. The network design, as summarized in the *Groundwater Monitoring Network Design Report (3/9/2017)* and as posted at the CCR web site for Oklaunion Power Station, did not change. That design report, viewable on the AEP CCR web site, discusses the facility location, the hydrogeological setting, the hydrostratigraphic units, the uppermost aquifer, downgradient monitoring well locations and the upgradient monitoring well locations.

IV. Groundwater Quality Data and Static Water Elevation Data, With Flow Rate and Direction and Discussion

No samples were collected. There is no aquifer to measure.

V. Discussion About Transition Between Monitoring Requirements or Alternate Monitoring Frequency

There is no active groundwater monitoring program at this site. Therefore there has not been a transition between monitoring requirements.

VI. Other Information Required

Not Applicable.

VII. Description of Any Problems Encountered in 2017 and Actions Taken

No significant problems were encountered.

VIII. A Projection of Key Activities for the Upcoming Year

Key activities for 2018 include:

- No groundwater aquifer sampling anticipated.
- Preparation of the second annual groundwater report.