ADMIN RECORD

NPDES FFCA
SECOND QUARTER 1991
PROGRESS REPORT

July 28, 1991

REPORT NUMBER 5

The NPDES Federal Facilities Compliance Agreement (FFCA) Section V.C.1 requires a quarterly progress reports to be submitted to EPA within 28 days after the end of the quarter. This report is submitted in response to that requirement, and covers activities during the period April 1, through June 30, 1991.

| FFCA Item | Due Date | Status |
|---|---|---|
| FFCA Effective Date | March 25, 1991 | Signed by DOE Rocky Flats Office, March 19, 1991.<br>Signed by EPA Region VIII, March 25, 1991. |
| Effluent Limitations (Sect. I) | April 1, 1991 | Monthly reporting has been modified to incorporate revised effluent limitations. These changes were implemented beginning with the April DMR. Further guidance on interpretation of NPDES FFCA effluent limitations and self-monitoring requirements was provided by EPA Region VIII, in a letter to DOE, RFO dated June 5, 1991, correspondence number 8WM-C. Resulting modifications will be incorporated into the monthly DMR beginning with the June report. Issues relating to revised detection levels for metals are unresolved. |
| Effluent Monitoring (Sect. II) | June 30, 1990 | Monthly reporting has been modified to incorporate revised effluent parameters and monitoring requirements. These changes were implemented beginning with the April DMR. Data collected in good faith prior to the signing of the FFCA will be summarized and forwarded to the EPA during the current quarter (also see Section I). |
| Compliance Plan (Sect. III.A) | July 30, 1990 | The Compliance Plan was submitted to EPA on August 3, 1990. No comments on the draft plan have been received. During a meeting held January 15, 1991, the EPA agreed to consider a proposal by DOE to use existing equalization basins as influent storage. This proposal was submitted to the EPA for review during the past quarter. |
| Diagnostic Studies (Sect. III.A.1) | Complete | Dr. Richard of Colorado State University has submitted a final progress report in his diagnostic program covering the period from December 12, 1988 through December 15, 1990. Professional Service Group, Inc. from Denver, Colorado has evaluated the implementation of Dr. Richard's recommendations and studied existing facilities and operations at the Sewage Treatment Plant (STP). The Professional Service Group report indicates that the existing STP facilities provide adequate treatment for the current waste load, and further suggest that it may be possible to modify the existing plant to achieve nitrification/denitrification goals. EPA has agreed to evaluate water quality data, and provide model results and anticipated ammonia limits for nitrification/denitrification design. |

DOCUMENT CLASSIFICATION REVIEW WAIVER PER CLASSIFICATION OFFICE

A-SW-001757

| FFCA Item | Due Date | Status |
|---|---|---|
| Actions to be taken (Sect. III.A.2) | | |
| Operation actions | | Operation action items have been implemented as recommended. |
| Instrumentation Actions | | |
| STP Influent | May 1990 | Construction complete. A calibration and start-up plan will be complete during the current quarter. |
| STP Autochlorination/ Dechlorination | March 1991 | Construction complete. A calibration and start-up plan will be complete during the current quarter. |
| STP Effluent | December 1991 | Construction started, September 1990. Construction completion is scheduled for August, 1991. A two month delay in construction was caused by additional work required to repair an existing flow control valve and relocate equipment to improve operational control capability. |
| Equipment actions | | |
| Drying Beds Capacity Improvement | October 1992 | An evaluation of sludge wasting equipment was completed in August, 1990. Equipment procurement is in progress. Construction will begin following an evaluation of the need for a Safety Analysis Report. |
| Sewage Treatment Plant Facility Upgrades | October 1992 | The design criteria were completed December, 1990. Budget authorization will delay the start of Title I design until November, 1991. DOE will submit a revised timetable for completion of the STP Upgrades when a final budget authorization is received. |
| Chromic Acid Incident Plan (Sect. III.B) | November 15, 1990 | The plan was submitted on November 15, 1990. No comments on the draft plan have been received. Further action is pending scope resolution on this plan. |
| Sludge Bed Groundwater Monitoring Plan (Sect. IV.C) | July 30, 1990 | Approval of plan has not been received from EPA. This will delay milestones by the amount of time between anticipated and actual approval. The original Plan was scheduled for delivery on July 30, 1990 and was delivered on August 3, 1990 Sixty (60) days were allowed in the Plan timetable for EPA review. During a meeting held January 15, 1991, the EPA agreed to consider a proposal to reduce the number of parameters to be covered in the monitoring plan. This proposal was submitted to the EPA for review during the past quarter and will be implemented following EPA approval. |
| Notification to EPA identifying the management and operating contractor of RFP | May 15, 1990 | Transmitted to M. H. Dodson, EPA Region VIII on April 26, 1990. DOE correspondence number 90DOE6102. |