



Commonwealth Edison

DEVIATION REPORT

DVR NO. 1 1 82 27
STA UNIT YEAR NO.

PART 1 TITLE OF DEVIATION OCCURRED
Wastewater Treatment Effluent Out of Spec. Iron 30APR82 0810
DATE TIME

SYSTEM AFFECTED PLANT STATUS AT TIME OF EVENT TESTING
Wastewater Treatment MODE Refuel PWR(MWT) 0 LOAD(MWE) 0 YES NO

DESCRIPTION OF EVENT

Due to low water pressure to the Alum and Polymer skids, insufficient chemical addition resulted in poor coagulation and settling in the clarifiers at the WTF. This condition permitted iron, in the form of finely divided solids, to pass through the Media Filters.

2.6 ppm iron was found. The limit is 1.0 ppm. This is in violation of the NPDES Permit

and ^{Repeatable under} Appendix B of the Technical Specification. This report is being made in accordance with

Section 3.2 of Appendix B. 10 CFR 50.72 NRC RED PHONE NOTIFICATION MADE YES NO

EQUIPMENT FAILURE RESPONSIBLE SUPERVISOR F. R. Lawless DATE 05MAY82

PART 2 OPERATING ENGINEER'S COMMENTS

None.

- EVENT OF PUBLIC INTEREST
TECH. SPEC. VIOLATION
NON REPORTABLE OCCURRENCE
14 DAY REPORTABLE/T.S.
30 DAY REPORTABLE/T.S. 3.2, Add B
ANNUAL/SPECL REPORT REQ'D
24-HOUR NRC NOTIFICATION REQ'D
TELEPH NA REGION III DATE TIME
TELEGM/TELECOPY NA REGION III DATE TIME
CECO CORPORATE NOTIFICATION MADE
IF ABOVE NOTIFICATION IS PER 10CFR21
5-DAY WRITTEN REPORT REQ'D PER 10CFR21
TELEPH NA CECO CORPORATE OFFICER DATE TIME

PRELIMINARY REPORT COMPLETED AND REVIEWED J. G. Marshall 5/4/82 OPERATING ENGINEER DATE

INVESTIGATED REPORT & RESOLUTION ACCEPTED BY STATION REVIEW R.D. Bishop 5/10/82 J.C. Rowland 5-10-82 F.R. Lawless 5-10-82

RESOLUTION APPROVED AND AUTHORIZED FOR DISTRIBUTION H. J. Didriac 5/10/82 STATION SUPERINTENDENT DATE

8205240538 820507 PDR ADOCK 05000373 S PDR

- I. DVR Number: 1-1-82-27
- II. LaSalle County Station: Unit 1
- III. Event Description: Wastewater Treatment Facility (WWTF) effluent total iron of 2.6 mg/l on composite of 20APR82, analyzed on 30APR82. This was an N.P.D.E.S. violation, exceeding license limits of 1.0 mg/l for total iron.
- IV. Probable Consequences of the Occurrence: Safe operation of the unit was maintained at all times and the health and safety of the public was not affected by this event. Compliance with NPDES requirements for total iron has been a continuing problem.
- V. Cause: Low water pressure to the Alum and Polymer skids prevented the automatic operation of the skids. This prevented the skids from automatically making new alum and polymer solutions. When the alum and polymer solutions were used up, lack of alum and polymer addition resulted in poor coagulation and settling in the WWTF Clarifiers. This condition permitted iron, in the form of finely divided solids to pass through the WWTF Media Filters. This event was identified on 30APR82, following analysis of a 24-hour composite sample from 19APR82 to 20APR82.
- VI. Corrective Action: Manual control of the polymer and alum additions was taken on 23APR82 as a result of previous sampling. This manual control will continue until a water head tank and booster pump is installed to remedy the low water pressure. The installation is in progress under W.R. #L12986 and W.R. #L14001.

Paul H. Kneel 5/10/82
PREPARED BY