



Commonwealth Edison
LaSalle County Nuclear Station
Rural Route #1, Box 220
Marseilles, Illinois 61341
Telephone 815/357-6761

50-373

June 8, 1982

Mr. James G. Keppler
Regional Administrator
Director of Regulatory Operations - Region III
U. S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Dear Sir:

In accordance with LaSalle County Station Unit 1 Facility Operating License NPF-11, Appendix B, Section 3.2, we are submitting to you a copy of the NPDES noncompliances for LaSalle County Nuclear Generating Station Permit No. IL0048151.

R. H. Holyoak
Superintendent
LaSalle County Station

RHH/GW/djp

Enclosure

cc: DVR Report 1-1-82-65
DVR Report 1-1-82-66

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Commonwealth Edison

DEVIATION REPORT

DVR NO.	1	1	82	66
STA	UNIT	YEAR	NO.	

PART 1 TITLE OF DEVIATION

OCCURRED

Wastewater Treatment Facility High Iron Concentration

5/26/82

1300

DATE

TIME

SYSTEM AFFECTED

TW

PLANT STATUS AT TIME OF EVENT

MODE

4

PWR(MWT)

0

LOAD(MWE)

0

TESTING

YES

NO

DESCRIPTION OF EVENT

Wastewater Treatment Facility effluent iron concentration of 7.0 mg/l, determined on 5/26/82, from composite sample of 5/15/82. Due to extremely low WWTF pH of 3.5 S.U. previously reported in DVR 1-1-82-40. This is in excess of NPDES Permit limit for total iron concentration of 1.0 mg/l and is reportable under tech. spec. Appendix B, section 3.2.

10 CFR50.72 NRC RED PHONE

☐☐

NOTIFICATION MADE

YES

NO

EQUIPMENT FAILURE

☐ YES☒ NO

WORK REQUEST NO.

RESPONSIBLE SUPERVISOR

E. R. Lawless

DATE

5/27/82

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.☒ ANNUAL/SPECI REPORT REQ'D

App B, 3.2

A.I.R. #

L.E.R. #

☐ 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

OPERATING ENGINEER

5/27/82

DATE

INVESTIGATED REPORT & RESOLUTION
ACCEPTED BY STATION REVIEWSTATION SUPERINTENDENT APPROVED AND
AUTHORIZED FOR DISTRIBUTION

STATION SUPERINTENDENT

DATE



Commonwealth Edison

DEVIATION REPORT

DVR NO. 01 - 01 - 82 - 65
STA UNIT YEAR NO.

ART 1 TITLE OF DEVIATION

Regenerative Waste Solution Discharge Tank OWM03T

OCCURRED

5/26/82

1300

DATE

TIME

SYSTEM AFFECTED

WM

PLANT STATUS AT TIME OF EVENT

MODE 4, PWR(MWT) 0, LOAD(MWE) 0

TESTING

☐ YES ☒ NO

DESCRIPTION OF EVENT

Regen. Waste Soln. Disch. Tank, OWM03T, high iron concentration of 3.1 mg/l, determined on 5/26/82, from composite sample of tank discharged on 5/20/82. Due to temporary failure of peroxide injection pump. Peroxide pump had lost suction pressure due to a bend in feed hosing, which was straightened out, and later replaced. This is in excess of NPDES permit limit for total iron of 1.0 mg/l and it reportable under Tech. Spec. Appendix B, section 3.2.

10 CFR50.72 NRC RED PHONE

☐☒

NOTIFICATION MADE

YES

NO

EQUIPMENT FAILURE

FCR-L0072

☒ YES☐ NO

WORK REQUEST NO.

RESPONSIBLE SUPERVISOR

F. R. Lawless

DATE

May 27, 1982

ART 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.☒ ANNUAL/SPEC. REPORT REQ'D
App. B, 3.2

F.I.R. #

S.E.R. #

☐ 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

OPERATING ENGINEER

5/27/82

DATE

INVESTIGATED REPORT & RESOLUTION
ACCEPTED BY STATION REVIEWRESOLUTION APPROVED AND
AUTHORIZED FOR DISTRIBUTION

STATION SUPERINTENDENT

DATE

6/8/82

I. DEVIATION REPORT NUMBER: C1-01-82-66

II. LASALLE COUNTY STATION: Unit 1

III. EVENT DESCRIPTION

On May 26, 1982, it was determined that the Regenerative Wastes Solution Discharge Tank, OWM03T, discharged on May 20, 1982, had an effluent total iron concentration of 3.1 mg/l, as determined from a composite sample of that tank. This exceeded the N.P.D.E.S. Permit limit of 1.0 mg/l for total iron and is reportable under Appendix B, section 3.2 of the Technical Specifications.

IV. PROBABLE CONSEQUENCES OF THE OCCURRENCE

This occurrence did not affect the health and safety of the general public. This is a common occurrence to the Regen. Wastes Soln. Disch. Tank and will undoubtedly continue until the system modifications under FCR #L0072 are completed.

V. CAUSE

The well water hydrogen peroxide system injection pump failed due to a collapsed suction tube. This tube collapsed due to its thin walls. This prevented the injection of hydrogen peroxide into the well water to aid in the removal of iron and solids when it passes through the Greensand Filters.

VI. CORRECTIVE ACTION

The suction tubing was replaced with a thick walled vacuum type tygon tubing and arranged to minimize the number of bends and possible kinks in the tubing. The peroxide injection system is awaiting a permanent installation on FCR #L0072. Action Item Record 1-82-301 has been submitted to track this FCR for completion by approximately September 1, 1982.

Prepared by: Paul Knoll

I. DEVIATION REPORT NUMBER: 01-01-82-66

II. LASALLE COUNTY STATION: Unit 1

III. EVENT DESCRIPTION

On 5/26/82, it was determined that the Wastewater Treatment Facility (WWTF) had an effluent total iron concentration of 7.0 mg/l, as determined from a composite sample obtained 5/15/82. This condition was as a direct result of the low WWTF effluent pH reported in DVR #01-01-82-40 and continued until 5/24/82.

This exceeded the N.P.D.E.S. Permit limit of 1.0 mg/l for total iron and is reportable under Appendix B, section 3.2 of the tech. specs.

IV. PROBABLE CONSEQUENCES OF THE OCCURRENCE

This occurrence did not affect the health and safety of the general public. This is not a frequent occurrence.

V. CAUSE

On 5/12/82, the M.U.D. acid sump, OWM06, overflowed 3 times during regeneration of M.U.D. train B. This overflow went to the M.U.D. clean sump, OWM05, and eventually to the WWTF. This resulted in lowering the pH of the WWTF to 3.5 S.U. The WWTF was not sampled until 5/14/82, at which time all discharges to this outfall were sampled to determine the cause. However, all these discharges had returned to within allowable pH limits. The low pH of the Wastewater resolubilized the coagulated iron and solids resulting in these solids passing through the Media Filters into the effluent.

VI. CORRECTIVE ACTION

No corrective action was taken to return the WWTF to inspect operation as the plant had a full inventory of water and there was no available space to transfer the water for neutralization.

The clean sump manhole cover has been securely fastened to aid in preventing further in-leakage. A work request, #15738, has been submitted to change the acid sump level alarm as a further aid in preventing sump overflows.

Further investigations have shown that the orifice plates in the backwash lines could have been left out during the last maintenance on the Makeup Demins. Work requests, #15895, 15896, 15898, have been submitted to replace the orifice plates.



Commonwealth Edison
LaSalle County Nuclear Station
Rural Route #1, Box 220
Marseilles, Illinois 61341
Telephone 815/357-6761

June 3, 1982

U. S. Environmental Protection Agency
Region V, Enforcement Division
ATTN: Chief, Compliance Unit
230 South Dearborn Street
Chicago, Illinois 60604

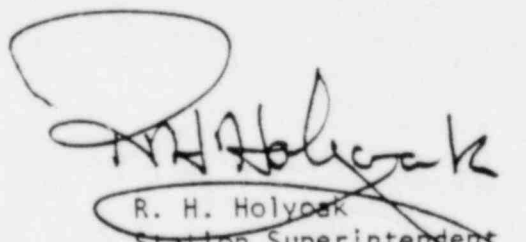
Illinois Environmental Protection Agency
Division of Water Pollution Control
Compliance Management Unit
2200 Churchill Road
Springfield, Illinois 62706

SUBJECT: NPDES Noncompliances for LaSalle County Nuclear **Generating**
Station Permit No. IL0048151

Dear Sir:

In accordance with Standard Condition 12, we wish to submit the following notices of noncompliance. The Cooling Pond was blowing down at the time of these noncompliances.

If there are any questions, please contact Mr. Charles L. Nash of my staff, at (815) 357-6761, extension 235.


R. H. Holyoak
Station Superintendent

^{FRL}
RHH/FRL/CLN/djp

Attch.

cc: Director of Water Quality, Environmental Affairs

LASALLE COUNTY NUCLEAR GENERATING STATION
N.P.D.E.S. PERMIT NO: IL0048151
NONCOMPLIANCE REPORT

DISCHARGE NUMBER AND DESCRIPTION: 001c - Low Volume Waste
Wastewater Treatment Facility (WWTF)

PARAMETER AND PERMIT LIMIT: Total Iron, 1.0 mg/l

NONCOMPLIANCE, DATE, AND DURATION: -7.0 mg/l, 15MAY82, continuous till 24MAY82

CAUSE OF NONCOMPLIANCE:

On 5/12/82, the M.U.D. acid sump, OWM06, overflowed 3 times during regeneration of M.U.D. train B. This overflow went to the M.U.D. clean sump, OWM05, and eventually to the WWTF. This resulted in lowering the pH of the WWTF to 3.5 S.U. The WWTF was not sampled until 5/14/82, at which time all discharges to this outfall were sampled to determine the cause. However, all these discharges had returned to within allowable pH limits. The low pH of the Wastewater resolubilized the coagulated iron and solids resulting in these solids passing through the Media Filters into the effluent.

CORRECTIVE ACTION:

No corrective action was taken to return the WWTF to inspect operation as the plant had a full inventory of water and there was no available space to transfer the water for neutralization.

The clean sump manhole cover has been securely fastened to aid in preventing further in-leakage. A work request, #15738, has been submitted to change the acid sump level alarm as a further aid in preventing sump overflows.

Further investigations have shown that the orifice plates in the backwash lines could have been left out during the last maintenance on the Makeup Demins. Work requests, #15895, 15896, and 15898 have been submitted to replace the orifice plates.

DATE RECOGNIZED AS A VIOLATION:

26MAY82

DATE INVESTIGATED:

26MAY82

LASALLE COUNTY NUCLEAR GENERATING STATION
N.P.D.E.S. PERMIT NO: IL0048151
NONCOMPLIANCE REPORT

DISCHARGE NUMBER AND DESCRIPTION: 001c - Low Volume Waste
Regenerative Wastes Solution Discharge Tank

PARAMETER AND PERMIT LIMIT: Total Iron, 1.0 mg/l

NONCOMPLIANCE, DATE, AND DURATION: 3.1 mg/l, 20MAY82, 2 hours

CAUSE OF NONCOMPLIANCE:

The well water hydrogen peroxide system injection pump failed due to a collapsed suction tube. This tube collapsed due to the thin tubing walls, preventing the injection of hydrogen peroxide to aid in the removal of iron and solids by the Greensand Filters.

CORRECTIVE ACTION:

The suction tubing was replaced with a thick walled vacuum type tygon tubing and arranged to minimize the number of bends and possible kinks in the tubing. The system is awaiting a permanent installation on FCR #L0072.

DATE RECOGNIZED AS A VIOLATION:

27MAY82

DATE INVESTIGATED:

27MAY82