

LICENSEE EVENT REPORT (LER)

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| FACILITY NAME (1) Perry Nuclear Power Plant, Unit 1 | DOCKET NUMBER (2) 0 5 0 0 0 4 4 0 1 | PAGE (3) 1 OF 03 |
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TITLE (4)
Offgas Grab Sample Not Taken In Accordance With Technical Specifications While Pretreatment Radiation Monitor Inoperable.

| EVENT DATE (5) | | | LER NUMBER (6) | | | REPORT DATE (7) | | | OTHER FACILITIES INVOLVED (8) | | |
|----------------|-----|------|----------------|-------------------|-----------------|-----------------|-----|------|-------------------------------|--|--|
| MONTH | DAY | YEAR | YEAR | SEQUENTIAL NUMBER | REVISION NUMBER | MONTH | DAY | YEAR | FACILITY NAMES | | |
| 08 | 23 | 88 | 88 | 030 | 00 | 09 | 22 | 88 | 0 5 0 0 0 | | |
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THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)

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|--------------------------|-------------------|-------------------|---------------------|--|
| OPERATING MODE (9) 1 | 20.402(b) | 20.405(c) | 90.73(a)(2)(iv) | 73.71(b) |
| POWER LEVEL (10) 1100 | 20.406(a)(1)(i) | 90.73(e)(1) | 90.73(a)(2)(v) | 73.71(c) |
| | 20.406(a)(1)(ii) | 90.36(e)(2) | 90.73(a)(2)(vi) | OTHER (Specify in Abstract below and in Text, NRC Form 308A) |
| | 20.406(a)(1)(iii) | X 90.73(a)(2)(ii) | 90.73(a)(2)(vii)(A) | |
| | 20.406(a)(1)(iv) | - 90.73(a)(2)(i) | 90.73(a)(2)(vii)(B) | |
| | 20.406(a)(1)(v) | 90.73(a)(2)(iii) | 90.73(a)(2)(x) | |

LICENSEE CONTACT FOR THIS LER (12)

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| NAME Gregory A. Dunn, Compliance Engineer, Extension 6484 | TELEPHONE NUMBER 2116 21591-1317317 |
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COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

| CAUSE | SYSTEM | COMPONENT | MANUFACTURER | REPORTABLE TO NRC | CAUSE | SYSTEM | COMPONENT | MANUFACTURER | REPORTABLE TO NRC |
|-------|--------|-----------|--------------|-------------------|-------|--------|-----------|--------------|-------------------|
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SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE) NO

| | | | |
|-------------------------------|-------|-----|------|
| EXPECTED SUBMISSION DATE (15) | MONTH | DAY | YEAR |
| | | | |

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On August 23, 1988 at 0940, an Offgas (OG) pretreatment sample was not taken and analyzed as required by Technical Specification 3.3.7.1. A chemistry technician failed to draw a grab sample within eight hours of the previous sample with the OG pretreatment radiation monitor inoperable. At 1220 the missed sample was identified. A sample was taken at 1245 and analyzed to be satisfactory. The OG pretreatment radiation monitor was returned to service on August 27, at 0132.

The cause of the event was personnel error. The chemistry technician was unaware of the requirement to draw an OG sample due to an incomplete shift turnover and failure to perform an adequate review of previous shift logs. In order to prevent recurrence, the individuals involved with this event have been counseled by plant management. A procedure change will require the chemistry technicians review the Daily Limiting Conditions for Operations (DLCO) log at the beginning of each shift. In the interim, all chemistry technicians have been instructed to review the DLCO log.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

| FACILITY NAME (1) | DOCKET NUMBER (2) | LER NUMBER (6) | | | PAGE (7) | | |
|-----------------------------------|-------------------|----------------|-------------------|-----------------|----------|----|-----|
| | | YEAR | SEQUENTIAL NUMBER | DIVISION NUMBER | | | |
| Perry Nuclear Power Plant, Unit 1 | 0 5 0 0 0 4 4 0 | 8 8 | - 0 3 0 | - 0 0 | 0 2 | OF | 0 3 |

TEXT (If more space is required, use additional NRC Form 388A's) (17)

On August 23, 1988 at 0940, an Offgas (OG)[WF] pretreatment sample was not taken and analyzed as required by the Technical Specifications. At the time of the event, the plant was in Operational Condition 1 (Power Operation) with reactor thermal power approximately 100 percent of rated and reactor vessel [RPV] pressure approximately 1005 psig.

On August 19, the OG pretreatment radiation monitor was taken out of service due to condensation causing a low flow alarm. Technical Specification 3.3.7.1 requires a grab sample to be taken and analyzed every eight hours when the OG pretreatment radiation monitor is inoperable. A chemistry technician failed to draw a grab sample at 0940 on August 23. At 1220 a control room operator contacted chemistry to verify the results of the sample, at which time the missed sample was identified. A sample was taken at 1245 and analyzed to be satisfactory. The OG pretreatment radiation monitor was repaired and returned to service on August 27 at 0132.

The cause of the event was personnel error. The chemistry technician was unaware of the requirement to draw the OG pretreatment sample. During the shift turnover, the off going technician failed to inform the on coming technician of the required sample. Additionally, the on coming technician failed to adequately review the chemistry logs from the previous shifts and the control room Daily Limiting Condition for Operations (DLCO) log to identify required samples.

The OG pretreatment radiation monitor measures radiation levels of non-condensable gas in the OG system, such as air, hydrogen and oxygen from the radiolytic decomposition of reactor water as well as fission gases generated from the fuel. The radiation level output by the monitor can be directly correlated to the concentration of noble gas radionuclides and is designed to provide an alarm at a predetermined level to indicate a potential problem from fuel leaks. The pretreatment monitor provides no protective functions, however, the OG post treatment radiation monitor provides isolation of the OG system in the event of high radioactivity. During the time the pretreatment monitor was inoperable, the post treatment monitor was in service. The OG pretreatment samples taken before and after the time of the missed sample verified the OG radiation level to be acceptable, therefore, this event is not considered to be safety significant.

Previous events have occurred which were the result of missing grab samples for gaseous effluent noble gas and Emergency Service Water effluent or failing to estimate gaseous effluent vent stack flow (LER's 86-011, 86-024, 86-049 and 88-003). These previous events were caused by lack of communications between Operations staff and Chemistry staff or by failure to recognize changes in plant conditions requiring additional monitoring. The corrective actions for these events included procedure changes and training to ensure that plant personnel are aware of additional monitoring requirements due to changing plant conditions. Additionally, training and counseling was performed to improve communications between Operations staff and Chemistry staff. The most recent event occurred with stable plant conditions and the Chemistry staff was

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TEXT (If more space is required, use additional NRC Form 308A's) (17)

aware of the sampling requirements at the time even though the individual was not, therefore, the previous corrective actions would not have been expected to prevent this event.

In order to prevent recurrence the individuals involved with this event have been counseled by management staff concerning the importance of performing all required sampling and the need for a proper and complete shift turnover. In order to prevent reliance on shift turnover for Technical Specification required samples, Plant Administrative Procedure (PAP)-1102 "Plant Chemistry Control Program" will be revised to require the chemistry technician to review and initial the DLCO log. Until PAP-1102 is revised, all chemistry technicians have been instructed to review the DLCO log at the beginning of each shift.

Energy Industry Identification System Codes are identified in the text as [XX].