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MITSUBISHI HEAVY INDUSTRIES, LTD.

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555-0001

Ref: UET-20120105
Date: Apr. 17, 2012

Subject: Interim Report of Evaluation
of a Deviation Pursuant to 10 CFR 21.21(a)(2)

Mitsubishi Heavy Industries, LTD. (MHI) has identified steam generator tube leak during first cycle after steam generator replacement.

The following information is provided pursuant to the requirements of 10 CFR 21 to submit an interim report on issues for which the evaluation will not be completed within 60 days of discovery.

An interim report on the evaluation is attached; specifically; Interim Report No. U21-019-IR,

Those MHI customers potentially affected by this issue have been notified and will receive a copy of this interim report.

Yours very truly,

Ei Kadokami
Senior Vice President
Deputy Head of Nuclear Energy Systems
Head of Kobe Shipyard & Machinery Works
Mitsubishi Heavy Industries, Ltd.

Attachment to UET-20120105**Interim Report U21-019-IR (0)**

1/1

Subject: Interim Report of evaluation pursuant to 10 CFR 21.21 (a) (2)**Title:** Steam Generator Tube Leak during First Cycle after Steam Generator Replacement (San Onofre 3)**Identification of Basic Component:**

Replacement Steam Generators for San Onofre Nuclear Generating Station Unit 3

Basic Component Supplied by:

Mitsubishi Heavy Industries, LTD.

Nature of Deviation:

On January 31, 2012, San Onofre Unit 3 shut down due to indications of a steam generator tube leak. Steam generator tube inspections confirmed one small leak on one tube in one of the two steam generators. Continuing inspections of 100% of the steam generator tubes in both Unit 3 steam generators discovered unexpected wear, including tube to tube as well as tube to tube support structural wear. Inspection, testing, and analysis of SG tube integrity in both Unit 3 SGs is ongoing. In-situ pressure testing identified eight Unit 3 SG tubes that did not meet the target performance criteria in Technical Specification for tube integrity. One of the failed tubes was the leaking tube that required the Unit 3 shutdown.

Discovery Date: February 21, 2012**Evaluation completion schedule date:** August 31, 2012