

October 29, 2003

Mr. Dominique Delattre
Head, Regulatory Activities Unit
IAEA INES/NEWS Coordinator
International Atomic Energy Agency
Wagramer Strasse 5, P.O. Box 100
A-1400 Wien
AUTRICHE

Dear Mr. Delattre:

The following operating experience reports from United States reactors are enclosed for your consideration for including in the AIRS database:

NRC Information Notice 2003-11: Leakage Found on Bottom-Mounted Instrumentation Nozzles

NRC Information Notice 2003-13: Steam Generator Tube Degradation at Diablo Canyon

NRC Information Notice 2003-14: Potential Vulnerability of Plant Computer Network to Worm Infection

NRC Information Notice 2003-15: Importance of Follow-up Activities in Resolving Maintenance Issues

NRC Information Notice 2003-17: Reduced Service Life of Automatic Switch Company (ASCO) Solenoid Valves with Buna-N Material

NRC Information Notice 2003-18: General Electric Type SBM Control Switches with Defective CAM Followers

NRC Information Notice 2003-19: Unanalyzed Condition of Reactor Coolant Pump Seal Leak-off Line During Postulated Fire Scenarios or Station Blackout

NRC Bulletin 2003-01: Potential Impact of Debris Blockage on Emergency Sump Recirculation at Pressurized-Water Reactors

NRC Bulletin 2003-02: Leakage from Reactor Pressure Vessel Lower Head Penetrations and Reactor Coolant Pressure Boundary Integrity

Each report is being submitted in the following two media: (1) a hard copy of the input file for the AIRS database; and (2) a 3.5-inch HD diskette containing the input file for the AIRS database in WordPerfect format.

Mr. Dominique Delattre

- 2 -

October 29, 2003

If you have any questions regarding these reports, please call Jerry Dozier of my staff. He can be reached at 301-415-1014.

Sincerely,

/RA/

William D. Beckner, Chief
Reactor Operations Branch
Division of Inspection Program Management
Office of Nuclear Reactor Regulation

Enclosures: As stated

cc w/enclosures:

Dr. Pekka T. Pyy
Administrator, Operating Experience & Human Factors
Nuclear Safety Division
Nuclear Energy Agency
OECD
Le Seine St. Germain, Batiment B
12, Boulevard des Iles
92130 - Issy-les-Moulineaux
FRANCE

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FRANCE

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OFFICE	RSE:OES:IROB:DIPM	IMA:OES:IROB:DIPM	SC:OES:IROB:DIPM	D:IROB:DIPM
NAME	IJDozier	KAGray	TReis	WDBeckner
DATE	10/28/2003	10/28/2003	10/28/2003	10/28/2003

OFFICIAL RECORD COPY

INCIDENT REPORTING SYSTEM

IRS NO.	EVENT DATE	04/12/2003	DATE RECEIVED
EVENT TITLE			
NRC Information Notice 2003-11: Leakage Found on Bottom-Mounted Instrumentation Nozzles			
COUNTRY	PLANT AND UNIT	REACTOR TYPE	
USA	South Texas Project Unit 1	PWR	
INITIAL STATUS	RATED POWER (MWe NET)		
	N/A		
DESIGNER	1st COMMERCIAL OPERATION		
Westinghouse 4lp	03/22/1988		

ABSTRACT

The U.S. Nuclear Regulatory Commission (NRC) is issuing this information notice (IN) to alert addressees to indications of leakage in the form of boron deposits discovered on bottom-mounted instrumentation (BMI) nozzles at South Texas Project Unit 1 (STP Unit 1).

NRC INFORMATION NOTICE 2003-11

Please refer to the dictionary of codes corresponding to each of the sections below and to the coding guidelines manual.

1.	<u>Reporting Categories:</u>	<u>1.4</u>	<u>1.2.2</u>	<u> </u>
2.	<u>Plant Status Prior to the Event:</u>	<u>2.3.2</u>	<u> </u>	<u> </u>
3.	<u>Failed/Affected Systems:</u>	<u>3.AC</u>	<u> </u>	<u> </u>
4.	<u>Failed/Affected Components:</u>	<u>4.2.5</u>	<u> </u>	<u> </u>
5.	<u>Cause of the Event:</u>	<u>5.1.1.7</u>	<u>5.1.1.3</u>	<u> </u>
6.	<u>Effects on Operation:</u>	<u>6.9</u>	<u> </u>	<u> </u>
7.	<u>Characteristics of the Incident:</u>	<u>7. 2</u>	<u> </u>	<u> </u>
8.	<u>Nature of Failure or Error:</u>	<u>8.1</u>	<u> </u>	<u> </u>
9.	<u>Nature of Recovery Actions:</u>	<u>9.0</u>	<u> </u>	<u> </u>

INCIDENT REPORTING SYSTEM

IRS NO.	EVENT DATE	08/28/2003	DATE RECEIVED
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EVENT TITLE

NRC Information Notice 2003-13: Steam Generator Tube Degradation at Diablo Canyon

COUNTRY

USA

PLANT AND UNIT

Diablo Canyon Unit 2

REACTOR TYPE

PWR

INITIAL STATUS

RATED POWER (MWe NET)

N/A

DESIGNER

Westinghouse 4lp

1st COMMERCIAL OPERATION

08/26/1985

ABSTRACT

The U.S. Nuclear Regulatory Commission is issuing this information notice to inform addressees about findings from a recent steam generator tube inspection at the Diablo Canyon Power Plant, Unit 2.

NRC INFORMATION NOTICE 2003-13

Please refer to the dictionary of codes corresponding to each of the sections below and to the coding guidelines manual.

- | | | | | |
|----|-----------------------------------------|----------------|-------------------|-------------------|
| 1. | <u>Reporting Categories:</u> | <u>1.3</u> | <u>1.4</u> | <u> </u> |
| 2. | <u>Plant Status Prior to the Event:</u> | <u>2.3.2</u> | <u> </u> | <u> </u> |
| 3. | <u>Failed/Affected Systems:</u> | <u>3.AH</u> | <u> </u> | <u> </u> |
| 4. | <u>Failed/Affected Components:</u> | <u>4.2.4</u> | <u> </u> | <u> </u> |
| 5. | <u>Cause of the Event:</u> | <u>5.1.1.7</u> | <u>5.3.1</u> | <u> </u> |
| 6. | <u>Effects on Operation:</u> | <u>6.9</u> | <u> </u> | <u> </u> |
| 7. | <u>Characteristics of the Incident:</u> | <u>7.2</u> | <u> </u> | <u> </u> |
| 8. | <u>Nature of Failure or Error:</u> | <u>8.2</u> | <u> </u> | <u> </u> |
| 9. | <u>Nature of Recovery Actions:</u> | <u>9.0</u> | <u> </u> | <u> </u> |

INCIDENT REPORTING SYSTEM

IRS NO.	EVENT DATE	01/25/2003	DATE RECEIVED
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EVENT TITLE

NRC INFORMATION NOTICE 2003-14: Potential Vulnerability of Plant Computer Network to Worm Infection

COUNTRY

USA

PLANT AND UNIT

Nine Mile Point Unit 1

REACTOR TYPE

BWR

INITIAL STATUS

RATED POWER (MWe NET)

N/A

DESIGNER

GEC

1st COMMERCIAL OPERATION

12/01/1969

ABSTRACT

The U.S. Nuclear Regulatory Commission (NRC) is issuing this information notice to alert addressees to the recent identification of a potential vulnerability of the plant computer network server to infection by the Microsoft (MS) SQL Server worm.

NRC INFORMATION NOTICE 2003-14

Please refer to the dictionary of codes corresponding to each of the sections below and to the coding guidelines manual.

- | | | | | |
|----|-----------------------------------------|----------------|--------------|-------|
| 1. | <u>Reporting Categories:</u> | <u>1.4</u> | _____ | _____ |
| 2. | <u>Plant Status Prior to the Event:</u> | <u>2.3.2.1</u> | _____ | _____ |
| 3. | <u>Failed/Affected Systems:</u> | <u>3.1A</u> | _____ | _____ |
| 4. | <u>Failed/Affected Components:</u> | <u>4.4.2</u> | _____ | _____ |
| 5. | <u>Cause of the Event:</u> | <u>5.1.5.6</u> | <u>5.3.3</u> | _____ |
| 6. | <u>Effects on Operation:</u> | <u>6.0</u> | _____ | _____ |
| 7. | <u>Characteristics of the Incident:</u> | <u>7.16</u> | _____ | _____ |
| 8. | <u>Nature of Failure or Error:</u> | <u>8.4</u> | _____ | _____ |
| 9. | <u>Nature of Recovery Actions:</u> | <u>9.1</u> | _____ | _____ |

INCIDENT REPORTING SYSTEM

IRS NO.	EVENT DATE	01/25/2003	DATE RECEIVED
EVENT TITLE			
NRC INFORMATION NOTICE 2003-15: Importance of Follow-up Activities in Resolving Maintenance Issues			
COUNTRY	PLANT AND UNIT	REACTOR TYPE	
USA	South Texas Unit 2	PWR	
INITIAL STATUS	RATED POWER (MWe NET)		
	N/A		
DESIGNER	1st COMMERCIAL OPERATION		
Westinghouse 4lp	03/28/1989		

ABSTRACT

The U.S. Nuclear Regulatory Commission (NRC) is issuing this information notice to alert addressees to recent experience that emphasizes the importance of followup activities in resolving maintenance issues in nuclear power plants.

NRC INFORMATION NOTICE 2003-15

Please refer to the dictionary of codes corresponding to each of the sections below and to the coding guidelines manual.

- | | | | |
|---------------------------------------------------|-----------------------|-----------------------------|-----------------------------|
| 1. <u>Reporting Categories:</u> | <u>1.2.5</u> | <u>1.4</u> | <u> </u> |
| 2. <u>Plant Status Prior to the Event:</u> | <u>2.3.2.1</u> | <u> </u> | <u> </u> |
| 3. <u>Failed/Affected Systems:</u> | <u>3.BE</u> | <u> </u> | <u> </u> |
| 4. <u>Failed/Affected Components:</u> | <u>4.2.3</u> | <u> </u> | <u> </u> |
| 5. <u>Cause of the Event:</u> | <u>5.3.1</u> | <u>5.4.7</u> | <u> </u> |
| 6. <u>Effects on Operation:</u> | <u>6.9</u> | <u> </u> | <u> </u> |
| 7. <u>Characteristics of the Incident:</u> | <u>7.8</u> | <u> </u> | <u> </u> |
| 8. <u>Nature of Failure or Error:</u> | <u>8.3</u> | <u> </u> | <u> </u> |
| 9. <u>Nature of Recovery Actions:</u> | <u>9.1</u> | <u> </u> | <u> </u> |

INCIDENT REPORTING SYSTEM

IRS NO.	EVENT DATE	9/1/2002	DATE RECEIVED
EVENT TITLE			
NRC INFORMATION NOTICE 2003-17: Reduced Service Life of Automatic Switch Company (ASCO) Solenoid Valves with Buna-N Material			
COUNTRY	PLANT AND UNIT	REACTOR TYPE	
USA	Dresden, Unit 2	BWR	
INITIAL STATUS	RATED POWER (MWe NET)		
	N/A		
DESIGNER	1st COMMERCIAL OPERATION		
GE-3MK1	02/20/1991		

ABSTRACT

The U.S. Nuclear Regulatory Commission (NRC) is issuing this information notice to alert addressees to potential problems caused by the hardening of Buna-N material used in fabricating solenoid valves manufactured by Automatic Switch Company (ASCO).

NRC INFORMATION NOTICE 2003-17

Please refer to the dictionary of codes corresponding to each of the sections below and to the coding guidelines manual.

- | | | | |
|---------------------------------------------------|-----------------------|-----------------------------|-----------------------------|
| 1. <u>Reporting Categories:</u> | <u>1.2.4</u> | <u>1.4</u> | <u> </u> |
| 2. <u>Plant Status Prior to the Event:</u> | <u>2.3.2.1</u> | <u> </u> | <u> </u> |
| 3. <u>Failed/Affected Systems:</u> | <u>3.AB</u> | <u> </u> | <u> </u> |
| 4. <u>Failed/Affected Components:</u> | <u>4.2.3</u> | <u> </u> | <u> </u> |
| 5. <u>Cause of the Event:</u> | <u>5.1.1.9</u> | <u> </u> | <u> </u> |
| 6. <u>Effects on Operation:</u> | <u>6.9</u> | <u> </u> | <u> </u> |
| 7. <u>Characteristics of the Incident:</u> | <u>7.13</u> | <u> </u> | <u> </u> |
| 8. <u>Nature of Failure or Error:</u> | <u>8.3</u> | <u> </u> | <u> </u> |
| 9. <u>Nature of Recovery Actions:</u> | <u>9.1</u> | <u> </u> | <u> </u> |

INCIDENT REPORTING SYSTEM

IRS NO.	EVENT DATE	01/5/2003	DATE RECEIVED
EVENT TITLE			
NRC INFORMATION NOTICE 2003-18: General Electric Type SBM Control Switches with Defective CAM Followers			
COUNTRY	PLANT AND UNIT	REACTOR TYPE	
USA	Calvert Cliffs Unit 1	PWR	
INITIAL STATUS	RATED POWER (MWe NET)		
	N/A		
DESIGNER	1st COMMERCIAL OPERATION		
CE	07/31/1974		

ABSTRACT

The U.S. Nuclear Regulatory Commission (NRC) is issuing this information notice to inform addressees of recent and long-term operational experience with control switches and relays incorporating a polycarbonate plastic material manufactured by General Electric known as Lexan®.

NRC INFORMATION NOTICE 2003-18

Please refer to the dictionary of codes corresponding to each of the sections below and to the coding guidelines manual.

- | | | | |
|---------------------------------------------------|-----------------------|---------------------|--------------------|
| 1. <u>Reporting Categories:</u> | <u>1.2.5</u> | <u>1.4</u> | <u> </u> |
| 2. <u>Plant Status Prior to the Event:</u> | <u>2.3.2.1</u> | <u> </u> | <u> </u> |
| 3. <u>Failed/Affected Systems:</u> | <u>3.EF</u> | <u>3.EB</u> | <u>3.CB</u> |
| 4. <u>Failed/Affected Components:</u> | <u>4.3.2</u> | <u> </u> | <u> </u> |
| 5. <u>Cause of the Event:</u> | <u>5.7.2</u> | <u>5.4.5</u> | <u> </u> |
| 6. <u>Effects on Operation:</u> | <u>6.9</u> | <u> </u> | <u> </u> |
| 7. <u>Characteristics of the Incident:</u> | <u>7.4</u> | <u> </u> | <u> </u> |
| 8. <u>Nature of Failure or Error:</u> | <u>8.3</u> | <u> </u> | <u> </u> |
| 9. <u>Nature of Recovery Actions:</u> | <u>9.1</u> | <u> </u> | <u> </u> |

INCIDENT REPORTING SYSTEM

IRS NO.	EVENT DATE	01/13/2003	DATE RECEIVED
EVENT TITLE			
NRC INFORMATION NOTICE 2003-19: Unanalyzed Condition of Reactor Coolant Pump Seal Leak-off Line During Postulated Fire Scenarios or Station Blackout			
COUNTRY	PLANT AND UNIT	REACTOR TYPE	
USA	Millstone Unit 3	PWR	
INITIAL STATUS	RATED POWER (MWe NET)		
	N/A		
DESIGNER	1st COMMERCIAL OPERATION		
Westinghouse 4lp	01/31/1986		

ABSTRACT

The U.S. Nuclear Regulatory Commission (NRC) is issuing this information notice (IN) to alert addressees to the recent identification of an unanalyzed condition involving the design of the reactor coolant pump (RCP) seal leakoff line.

NRC INFORMATION NOTICE 2003-19

Please refer to the dictionary of codes corresponding to each of the sections below and to the coding guidelines manual.

- | | | | |
|--------------------------------------------|--------------|-------------------|-------------------|
| 1. <u>Reporting Categories:</u> | <u>1.3.1</u> | <u>1.4</u> | <u> </u> |
| 2. <u>Plant Status Prior to the Event:</u> | <u>2.0</u> | <u> </u> | <u> </u> |
| 3. <u>Failed/Affected Systems:</u> | <u>3.AE</u> | <u> </u> | <u> </u> |
| 4. <u>Failed/Affected Components:</u> | <u>4.2.6</u> | <u> </u> | <u> </u> |
| 5. <u>Cause of the Event:</u> | <u>5.7.1</u> | <u> </u> | <u> </u> |
| 6. <u>Effects on Operation:</u> | <u>6.0</u> | <u> </u> | <u> </u> |
| 7. <u>Characteristics of the Incident:</u> | <u>7.5</u> | <u> </u> | <u> </u> |
| 8. <u>Nature of Failure or Error:</u> | <u>8.1</u> | <u> </u> | <u> </u> |
| 9. <u>Nature of Recovery Actions:</u> | <u>9.0</u> | <u> </u> | <u> </u> |

INCIDENT REPORTING SYSTEM

IRS NO.	EVENT DATE	12/11/2002	DATE RECEIVED
EVENT TITLE			
NRC Bulletin 2003-01: Potential Impact of Debris Blockage on Emergency Sump Recirculation at Pressurized-Water Reactors			
COUNTRY	PLANT AND UNIT	REACTOR TYPE	
USA	Davis Besse	PWR	
INITIAL STATUS	RATED POWER (MWe NET)		
	N/A		
DESIGNER	1st COMMERCIAL OPERATION		
B&W	04/22/1977		

ABSTRACT

The U.S. Nuclear Regulatory Commission (NRC) is issuing this bulletin to: (1) inform addressees of the results of NRC-sponsored research identifying the potential susceptibility of pressurized-water reactor (PWR) recirculation sump screens to debris blockage in the event of a high-energy line break (HELB) requiring recirculation operation of the emergency core cooling system (ECCS) or containment spray system (CSS); (2) inform addressees of the potential for additional adverse effects due to debris blockage of flowpaths necessary for ECCS and CSS recirculation and containment drainage.

NRC BULLETIN 2003-01

Please refer to the dictionary of codes corresponding to each of the sections below and to the coding guidelines manual.

1.	<u>Reporting Categories:</u>	<u>1.2</u>	<u>1.4</u>	<u>1.2.5</u>
2.	<u>Plant Status Prior to the Event:</u>	<u>2.3.2</u>	_____	_____
3.	<u>Failed/Affected Systems:</u>	<u>3.BG</u>	_____	_____
4.	<u>Failed/Affected Components:</u>	<u>4.2.1</u>	_____	_____
5.	<u>Cause of the Event:</u>	<u>5.1.1.8</u>	_____	_____
6.	<u>Effects on Operation:</u>	<u>6.10</u>	_____	_____
7.	<u>Characteristics of the Incident:</u>	<u>7.4</u>	_____	_____
8.	<u>Nature of Failure or Error:</u>	<u>8.3</u>	_____	_____
9.	<u>Nature of Recovery Actions:</u>	<u>9.0</u>	_____	_____

INCIDENT REPORTING SYSTEM

IRS NO.	EVENT DATE	04/12/2003	DATE RECEIVED
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EVENT TITLE

NRC Bulletin 2003-02: Leakage from Reactor Pressure Vessel Lower Head Penetrations and Reactor Coolant Pressure Boundary Integrity

COUNTRY

USA

PLANT AND UNIT

South Texas Project Unit 1

REACTOR TYPE

PWR

INITIAL STATUS

RATED POWER (MWe NET)

N/A

DESIGNER

Westinghouse 4lp

1st COMMERCIAL OPERATION

03/22/1988

ABSTRACT

The U.S. Nuclear Regulatory Commission (NRC) is issuing this bulletin to advise PWR addressees that current methods of inspecting the reactor pressure vessel lower heads may need to be supplemented with additional measures (e.g., bare-metal visual inspections) to detect reactor coolant pressure boundary (RCPB) leakage.

NRC BULLETIN 2003-02

Please refer to the dictionary of codes corresponding to each of the sections below and to the coding guidelines manual.

1.	<u>Reporting Categories:</u>	<u>1.4</u>	<u>1.2.2</u>	<u> </u>
2.	<u>Plant Status Prior to the Event:</u>	<u>2.3.2</u>	<u> </u>	<u> </u>
3.	<u>Failed/Affected Systems:</u>	<u>3.AC</u>	<u> </u>	<u> </u>
4.	<u>Failed/Affected Components:</u>	<u>4.2.5</u>	<u> </u>	<u> </u>
5.	<u>Cause of the Event:</u>	<u>5.1.1.7</u>	<u>5.1.1.3</u>	<u> </u>
6.	<u>Effects on Operation:</u>	<u>6.9</u>	<u> </u>	<u> </u>
7.	<u>Characteristics of the Incident:</u>	<u>7. 2</u>	<u> </u>	<u> </u>
8.	<u>Nature of Failure or Error:</u>	<u>8.1</u>	<u> </u>	<u> </u>
9.	<u>Nature of Recovery Actions:</u>	<u>9.0</u>	<u> </u>	<u> </u>