

EDO Principal Correspondence Control

FROM: DUE: 05/27/11

EDO CONTROL: G20110310
DOC DT: 04/22/11
FINAL REPLY:

Thomas Gurdziel
Oswego, New York

TO:

Borchardt, EDO

FOR SIGNATURE OF :

** GRN **

CRC NO:

Leeds, NRR

DESC:

ROUTING:

2.206 - Salem Unit 1 (EDATS: OEDO-2011-0294)

Borchardt
Weber
Virgilio
Ash
Muessle
OGC/GC
Dean, RI
Burns, OGC
Mensah, NRR
Scott, OGC
Bowman, OEDO

DATE: 04/27/11

ASSIGNED TO:

CONTACT:

NRR

Leeds

SPECIAL INSTRUCTIONS OR REMARKS:

Template: EDO-001

EDATS: EDO-01

EDATS

Electronic Document and Action Tracking System



EDATS Number: OEDO-2011-0294

Source: OEDO

General Information

Assigned To: NRR

OEDO Due Date: 5/27/2011 11:00 PM

Other Assignees:

SECY Due Date: NONE

Subject: 2.206 - Salem Unit 1

Description:

CC Routing: RegionI; OGC; Tanya.Mensah@nrc.gov; Catherine.Scott@nrc.gov

ADAMS Accession Numbers - Incoming: NONE

Response/Package: NONE

Other Information

Cross Reference Number: G20110310

Staff Initiated: NO

Related Task:

Recurring Item: NO

File Routing: EDATS

Agency Lesson Learned: NO

OEDO Monthly Report Item: NO

Process Information

Action Type: 2.206 Review

Priority: Medium

Signature Level: NRR

Sensitivity: None

Urgency: NO

Approval Level: No Approval Required

OEDO Concurrence: NO

OCM Concurrence: NO

OCA Concurrence: NO

Special Instructions:

Document Information

Originator Name: Thomas Gurdziel

Date of Incoming: 4/22/2011

Originating Organization: Citizens

Document Received by OEDO Date: 4/27/2011

Addressee: R. W. Borchardt, EDO

Date Response Requested by Originator: NONE

Incoming Task Received: Letter

9 Twin Orchard Drive
Oswego, NY 13126
April 22, 2011

Mr. Bill Borchardt
Executive Director for Operations
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

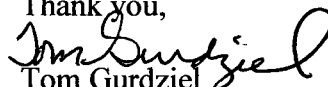
Dear Executive Director for Operations Bill Borchardt:

This is a performance-based 2.206 request letter.

I request a fine of \$500,000 of the Salem Unit I plant operator for failing to have an effective corrective action program that fixes problems promptly. A current example is their (continuing) inability to remove sufficient Delaware-River carried vegetation (from the water drawn in for their condensers) before a plant scram is necessary.

The event is Event Number 46774. I have also enclosed a letter reporting this problem dated April 27, 2007 and another letter dated May 1, 2007.

Thank you,


Tom Gurdziel
Member, ASME

(Has anyone in the organization proposed variable speed circulating pump motors so flow to the condensers can be reduced to what their intake screens can handle? Of course, this would also require a reduction in reactor power.)

Attach: 3

9 Twin Orchard Drive
Oswego, NY 13126
April 27, 2007

Mr. Ralph Izzo
Chairman, President and Chief Executive Officer
80 Park Plaza
PO Box 570
Newark, NJ 07101

Dear Mr. Ralph Izzo:

I believe I have identified a repeating problem with the circulating water system at your Salem plants. Simply put, the current design is not adequate to provide for reliable electric generation. (For instance, Salem Unit 1 had to be manually tripped on April 24, 2007 due to problems with this system.)

I am writing this letter to suggest four ways you can provide the plants with reliable circulating water.

- 1- Use natural draft cooling towers. Hope Creek would provide an example.
- 2- Use forced draft cooling towers. I understand they are cheaper to build but more expensive to run than the natural draft type. The Ocean States combined cycle power plant in Rhode Island used them.
- 3- Use a cooling lake. I have been told that they are in use at Dresden, LaSalle and Braidwood.
- 4- Use spray headers and canals. I have been told that Dresden also has these.

Notice that you would control the water in these structures and thus electric generation would not be at the mercy of river grass movement, as is now the case.

There seems to be two ways to go: either spend the money and save the scrams, or, save the money and take the scrams.

Thank you,

Tom Gurdziel

9 Twin Orchard Drive
Oswego, NY 13126
May 1, 2007

Mr. Samuel Collins, Regional Administrator
US NRC Region I
475 Allendale Road
King of Prussia, PA 19406-1415

Dear Mr. Samuel Collins:

Recent events at Salem1 have caught my eye. While I feel that an entire system change is necessary for a reliable circulating water system, (perhaps to mechanical draft cooling towers), here are a few ideas that I hope you see offered and considered by the Artificial Island people as temporary mitigating solutions:

Spray Wash subsystem

Bigger pumps, bigger pipes, and bigger/higher pressure flow through spray nozzles
Different pattern spray nozzles
An additional set of spray nozzles at a different orientation
Possible use of intermittent (or manual) compressed air
Manual use of fire hoses

Trash Screen subsystem

Run continuously at highest speed when river grass is near
Try different types of screen openings
Increase the highest operating speed

Trash Rack subsystem

Do they help or hurt river grass removal? (Would you be better off without them?)

Circulating water pump motors

Change to variable speed so you can demand a lower water flow (at a corresponding lower reactor power). This may reduce the load on the screens and sprays.

External

Consider using chemical treatments to kill the growing grass. (Probably needs state permits as a minimum.)

Consider wood piles/nets to change the flow path of river grass before it gets into the plant

Harvest the grass while it is still in the river

Determine if heated circulating water exiting the plant is increasing the growth rate of the river grass and making the problem worse

Thank you,

Tom Gurdziel

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input checked="" type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <u>LABRON</u> C. Date of Delivery <u>5/9/07</u></p>
<p>1. Article Addressed to: <u>Mr. Ralph Izzo, Chairman, President CEO</u> <u>PSEG Inc.</u> <u>80 Park Plaza</u> <u>Po Box 570</u> <u>Newark, NJ 07101</u></p> <p><u>Salem Ltr 1</u></p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input type="checkbox"/> No If YES, enter delivery address below:</p> <p>3. Service Type <input type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label) <u>7006 2760 0005 3961 2714</u></p>	
<p>PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540</p>	

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<p>1. Article Addressed to: <u>Mr. Samuel Collins, Regional Adm.</u> <u>USNRC Region I</u> <u>475 Allendale Road</u> <u>King of Prussia, PA</u> <u>19406-1415</u></p> <p><u>Salem Ltr 2</u></p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input type="checkbox"/> No If YES, enter delivery address below:</p> <p>3. Service Type <input type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label) <u>7006 2760 0005 3961 2721</u></p>	
<p>PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540</p>	