

AmerGen Energy Company, LLC
Oyster Creek
US Route 9 South
PO Box 388
Forked River, NJ 08731-0388

October 4, 2002
2130-02-20289

Mr. Jeffery Hoffman
Bureau of Standard Permitting
Division of Water Quality
New Jersey Department of Environmental Protection CN-029
Trenton, NJ 08625-0029

Subject: Oyster Creek Generating Station
NJPDES Discharge to Surface Water Permit NJ0005550
Removal of Dilution Pumps from Service

On September 23, 2002, the Oyster Creek Generating Station dilution plant was secured to allow for maintenance to increase the level of safety during the upcoming refueling outage. The purpose of the maintenance was to increase the reliability of a transformer and associated electrical equipment which tie the Oyster Creek site to the off site grid. At 2:37 AM, the transformer was removed from service for maintenance. De-energizing this transformer removes power to the dilution plant. With no dilution pumps operating, the Discharge Canal temperature at the U.S. Route 9 Bridge rose to approximately 101 °F in one hour. When the water temperature at the Route 9 bridge exceeds 97 °F, as specified in Part IV-B/C.4.A of NJPDES Permit NJ0005550, it is reportable under Part IV-B/C.4.B(1) of that permit. All maintenance on the transformer was terminated and work began immediately to repair the transformer and restore power to the dilution pumps.

The increase in the discharge canal temperature caused a fish kill. The NRC and NJDEP were notified of the fish kill. Concurrently, the clean up of the fish commenced. The transformer was returned to service at 6:39 PM on September 23, 2002. The #3 Dilution Pump was placed in operation at 8:37 PM, and by 9:15 PM, the Route 9 Bridge water temperature had decreased to 97° F. The No.2 Dilution Pump was subsequently returned to operation at 10:14 PM.

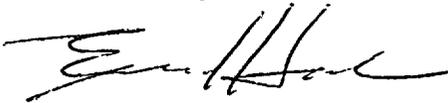
The fish were counted, classified, and removed by the end of the day on September 25, 2002. A total of 5838 fish, composed of 23 species, were killed.

TE25

An internal investigation was initiated on Monday, September 23, 2002, to determine the cause of the event. The preliminary results of the investigation have identified possible corrective actions that should prevent recurrence involving both administrative and system modifications. These corrective actions will be evaluated and implemented as appropriate. The final results of the investigation will be included in the Technical Specification required 30 day report.

If any further assistance or information is required, please contact John Rogers, of my staff, at 609.971.4893.

Sincerely,



Ernest J. Harkness
Plant Manager
OCGS

Cc: Van Sciver, H.E.
Administrator, USNRC Region 1
Senior NRC Resident Inspector
Senior Project Manager, USNRC NRR
Nuclear Environmental Kennett
USNRC Document Control Desk; Docket 50-219

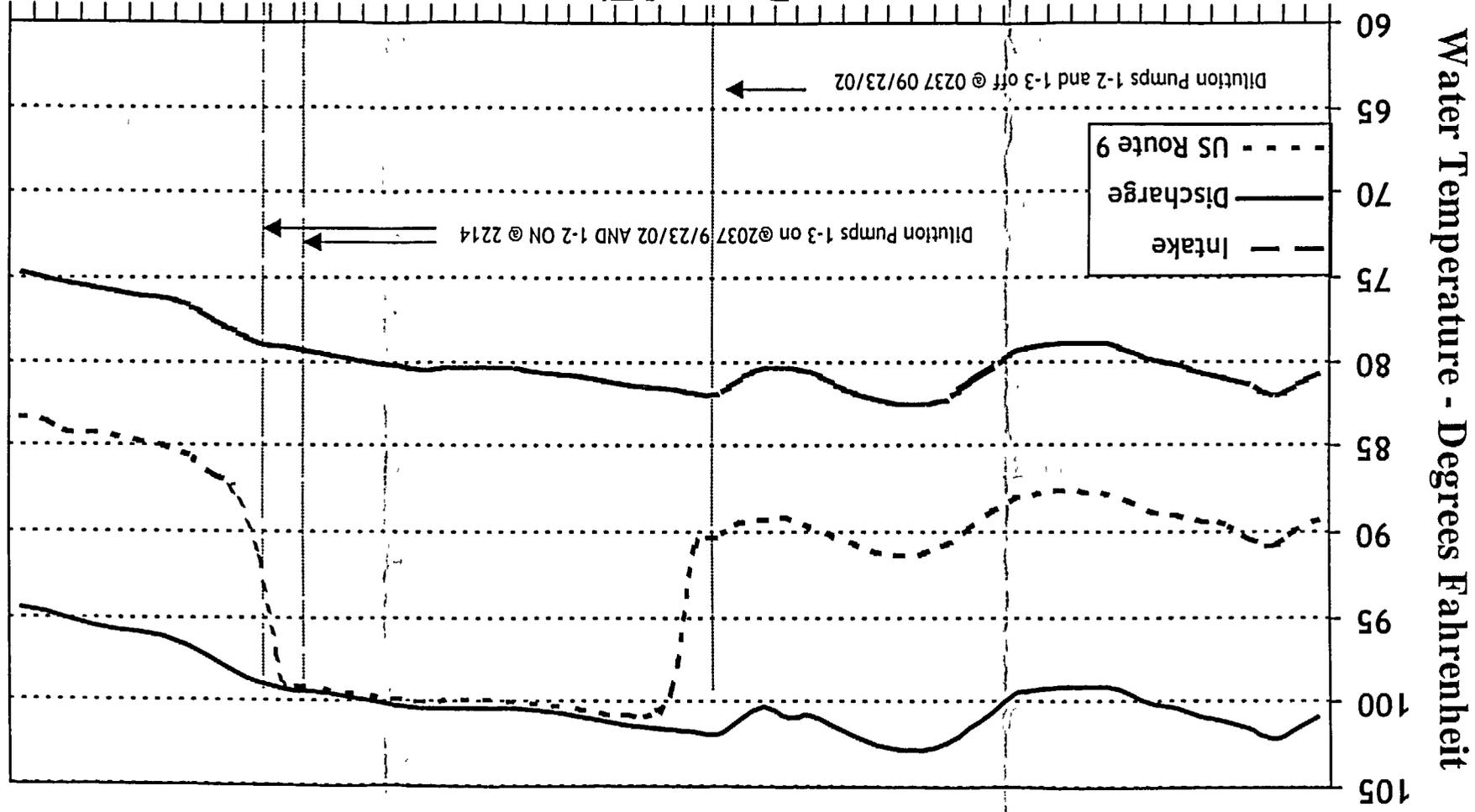


Figure 1
 Oyster Creek Generating Station
 Water Temperatures
 September 22, 2002 - September 24, 2002

Water Temperature - Degrees Fahrenheit

Date and Time

22 Sep 02 (0000) 22 Sep 02 (0600) 22 Sep 02 (1200) 22 Sep 02 (1800) 23 Sep 02 (0000) 23 Sep 02 (0600) 23 Sep 02 (1200) 23 Sep 02 (1800) 24 Sep 02 (0000) 24 Sep 02 (0600)

Intake
 Discharge
 US Route 9

Dilution Pumps 1-2 and 1-3 off @ 02:37 09/23/02

Dilution Pumps 1-3 on @ 20:37 9/23/02 AND 1-2 ON @ 22:14

Oyster Creek Licensing Correspondence Distribution Sheet

File No. 02070
 Reference/Letter No. 2130-02-20289

Letter Date 10/04/2002
 Date Sent / Received 10/04/2002

Title Description: Fish Kill of 09/23/2002 - Ten Day Report

LICENSING ENGINEER: John Rogers

SPECIAL NOTES:

Office of the President

R. J. DeGregorio (Letter Only)	OCAB2	<u>X</u>
R. Maldondo	OCAB2	_____
Communications	OCAB2	<u>X</u>

Engineering

V. Aggarwal	OCAB3	<u>X</u>
M. Newcomer	OCAB3	<u>X</u>
A. Agarwal	OCAB3	_____
D. Barnes	OCAB3	_____
T. E. Quintenz	OCAB3	_____
M. Button	OCAB3	<u>X</u>
F. Buckley	OCAB3	_____
T. Powell	OCAB3	_____
R. Larzo	OCAB3	_____
C. Lefler	OCAB3	_____

Oyster Creek

E. Harkness	MOB	<u>X</u>
M. Trum	MOB	<u>X</u>
C. Wilson	MOB	<u>X</u>
R. Brown	MOB	<u>X</u>
J. Vaccaro	MOB	_____
J. Bobba	AOB	_____
A. Krukowski	NMB	_____
R. Ewart	OCAB2	_____
G. True	Whse 2	_____
D. Norton	Whse 1	_____
W. Collier	AOB Aux	<u>X</u>
D. McMillan	Bldg 12	_____
J. Magee	NMB	<u>X</u>
M. Massaro	OCAB2	<u>X</u>
R. Adams	OCAB2	<u>X</u>
M. Moore	AOB	_____

AmerGen/Exelon

C. Pardee	KSA 3-N	_____
G. Vanderheyden	KSA 3-N	_____
M. Gallagher (Outgoing Only)	KSA 3-E	<u>X</u>
J. Hufnagel (Outgoing Only)	KSA 3-E	<u>X</u>
D. Walker	KSA 3-E	<u>X</u>
KS Document Ctr	KSA 1-N	<u>X</u>
I Tonic	KSB 3-W	_____
D Distel	KSA 3-E	_____
Jeff Benjamin	Cantera'	_____

Other

NSRB (22 copies)		<u>X</u>
Steve Bailey	AOB	<u>X</u>
D Weigle	AOB	<u>X</u>
M Browne	AOB	<u>X</u>

External Distribution

NJBNE - K. Tosch		<u>X</u>
INPO		_____
ANI - R. Oliveira		_____
BPU - R. Chilton		_____
T. Gould		_____
GE - P. Ray		_____

Reference: TSCR 301
 File Index Number: 20.16.01.01
 Cross Reference Number: 20.16.01.01