

Oyster Creek Generating Station  
Route 9 South  
PO Box 388  
Forked River, NJ 08731

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50 CFR 402.14(i)(3)

December 30, 2010

RA-10-099

National Marine Fisheries Service Northeast Region  
Protected Resources Division  
One Blackburn Drive  
Gloucester, MA 01930  
Attention: Pasquale Scida

Oyster Creek Nuclear Generating Station  
Renewed Facility Operating License No. DPR-16  
NRC Docket No. 50-219

Subject: ANNUAL SEA TURTLE INCIDENTAL TAKE REPORT – 2010

Dear Mr. Scida:

Enclosed is a copy of the 2010 Annual Sea Turtle Incidental Take Report for the Oyster Creek Nuclear Generating Station. The report is submitted in accordance with Terms and Conditions No. 8 of the Incidental Take Statement of the 2006 Endangered Species Act Section 7 Consultation Biological Opinion.

If you have any questions concerning this submittal, please contact Malcolm Browne, Environmental Scientist, at (609) 971-4124.

Sincerely,



Michael J. Massaro  
Vice President  
Oyster Creek Nuclear Generating Station

Enclosure

cc: NRC Document Control Desk  
Administrator, Region I  
NRC Senior Project Manager  
NRC Senior Resident Inspector

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# OCNGS Sea Turtle Report 2010-9

	<b>Incidental Take 2010-1</b>	<b>Incidental Take 2010-2</b>	<b>Incidental Take 2010-3</b>
<b>OPERATIONS DEPARTMENT:</b>			
Observer's full name:	J. Liquori	D. Dye	T. Hutain
Reporter's full name:	A. Zuchowski	N. Fox	J. Sharkey
Species Identification (Key attached):	Loggerhead	Kemp's ridley	Kemp's ridley
Site of Impingement (CWS or DWS):	DWS	DWS	CWS
Bay Number:	5	6	5
Date animal observed:	14-Jun-10	24-Jun-10	26-Jun-10
Time animal observed:	17:15	21:55	8:20
Date animal collected:	14-Jun-10	24-Jun-10	26-Jun-10
Time animal collected:	17:25	21:55	8:20
<b>CONDITIONS AT COLLECTION:</b>			
Tidal Stage:	Ebb Tide	Flood Tide	High Tide
Cloud conditions:	Overcast	Clear	Clear
Precipitation:	None	None	None
Intake water temperature:	77.2°F	80.4°F	78.0°F
Other conditions	None recorded	None recorded	None recorded
Number of CW pumps running:	4	4	4
Number of DW pumps running:	2	2	2
Reactor power level at observation:	100%	100%	100%
Reactor power previous 48-hours:	100%	100%	100%
Date of last screen inspection:	14-Jun-10	24-Jun-10	26-Jun-10
Time of last screen inspection:	5:00 PM	8:20 PM	4:25 AM
Date of last trash raking:	13-Jun-10	23-Jun-10	25-Jun-10
Time of last trash raking:	9:16	2:29	1:16

# OCNGS Sea Turtle Report 2010-9

	Incidental Take 2010-1	Incidental Take 2010-2	Incidental Take 2010-3
<b>ENVIRONMENTAL DEPARTMENT:</b>			
Date Brigatine MMSC contacted:	14-Jun-10	24-Jun-10	26-Jun-10
Time Brigatine MMSC contacted:	17:35	22:05	8:25
Date Animal picked up by MMSC:	14-Jun-10	24-Jun-10	26-Jun-10
Time Animal picked up by MMSC:	19:15	23:30	11:00
State of animal when first observed:	Alive	Alive	Alive
State of animal when collected:	Alive	Alive and kicking	Good health with a scar on the shell, which appeared to be a boat prop strike or scrape
State of animal when picked up:	Several old and healing scrapes on the posterior of the carapace and plastron. Small amount of algal growth on the carapace.	Several small abrasions on plastron and carapace, small amount of scarring on flippers	Minor gauges on ridge of carapace that are old and healing
State of animal arriving at MMSC:	The turtle was active, swimming and diving normally, eating well, and passing waste.	The turtle was active, swimming and diving normally, eating well, and passing waste	The turtle was very active, swimming and diving normally.

# OCNGS Sea Turtle Report 2010-9

	<u>Incidental Take 2010-1</u>	<u>Incidental Take 2010-2</u>	<u>Incidental Take 2010-3</u>
Final disposition of animal:	Tagged and released alive at the north end of Brigantine. Tagged RFF metal tag # SSL130 PIT tagged LFF # 4A4F39114A	Released on north end of Brigantine on 6/28/2010, Tagged LFF metal tag # SSL131 PIT tagged RFF # 4A4E665346	Tagged and released alive at the north end of Brigantine 6/28/10. Tagged RFF metal tag # SSL132 PIT tagged LFF # 497F611621
Carapace Length - Curved	not measured	26.5 cm	29 cm
Carapace Length - Straight	48.7 cm	25.5 cm	27.5 cm
Carapace Width - Curved:	not measured	26.5 cm	30 cm
Carapace Width - Straight:	42.1 cm	23.3 cm	26.6 cm
Weight - lbs (kgs)	44.6 lbs	4.9 lbs	8.2 lbs
Existing Tag Number	no tag	no tag	no tag
Photograph attached	yes	yes	yes
Diagram of wounds, abnormalities, tag locations attached	Stranding Report MMSC-10-122	Stranding Report 10-125	Stranding Report 10-128
Description of Animal	Sub-adult Loggerhead of undeterminate sex	Juvenile Kemp's ridley of undeterminate sex	Juvenile Kemp's ridley of undeterminate sex
All information sent to: National Marine Fisheries Service, Northeast Region; Protected Resources Division; Attention: Endangered Species Coordinator; One Blackburn Drive; Gloucester, MA 01930	15-Jun-10, 09:10 Oyster Creek Environmental department completed faxing incident report for incidental take of a sea turtle on 6/14 to NMFS Endangered Species Coordinator	25-Jun-10, 11:30 Oyster Creek Environmental department completed faxing incident report for incidental take of a sea turtle on 6/24 to NMFS Endangered Species Coordinator	26-Jun-10, 12:15 Oyster Creek Environmental department completed faxing incident report for incidental take of a sea turtle to NMFS Endangered Species Coordinator

# OCNGS Sea Turtle Report 2010-9

	<u>Incidental Take 2010-4</u>	<u>Incidental Take 2010-5</u>	<u>Incidental Take 2010-6</u>
<b>OPERATIONS DEPARTMENT:</b>			
Observer's full name:	J. Liquori	G Sherrier	J. Labant
Reporter's full name:	A. Zuchowski	D Schaffer	J Williams
Species Identification (Key attached):	Kemp's ridley	Kemp's ridley	Green
Site of Impingement (CWS or DWS):	CWS	DWS	CWS
Bay Number:	5	6	4
Date animal observed:	3-Jul-10	9-Jul-10	5-Oct-10
Time animal observed:	0:36	0:25	1:30
Date animal collected:	3-Jul-10	9-Jul-10	5-Oct-10
Time animal collected:	0:40	0:25	1:30
<b>CONDITIONS AT COLLECTION:</b>			
Tidal Stage:	Flood Tide	Ebb Tide	Ebb Tide
Cloud conditions:	Clear	Clear	Overcast
Precipitation:	None	None	Rain
Intake water temperature:	78.6°F	87.9°F	62.3°F
Other conditions	Heavy debris loading, wind 4.8 mph at 247.9 degrees	Heavy debris loading	Light debris, steady rain for preceeding 48-hours, high intake water level two hours prior to low tide
Number of CW pumps running:	4	4	4
Number of DW pumps running:	2	2	2
Reactor power level at observation:	100%	78%	100%
Reactor power previous 48-hours:	100%	100%	100%
Date of last screen inspection:	2-Jul-10	8-Jul-10	5-Oct-10
Time of last screen inspection:	21:47:00 AM	17:10:00 AM	0:44:00
Date of last trash raking:	2-Jul-10	8-Jul-10	5-Oct-10
Time of last trash raking:	21:47:00 AM	1:41	0:44:00

# OCNGS Sea Turtle Report 2010-9

	<u>Incidental Take 2010-4</u>	<u>Incidental Take 2010-5</u>	<u>Incidental Take 2010-6</u>
<b>ENVIRONMENTAL DEPARTMENT:</b>			
Date Brigatine MMSC contacted:	3-Jul-10	9-Jul-10	5-Oct-10
Time Brigatine MMSC contacted:	1:15	1:40	2:35
Date Animal picked up by MMSC:	3-Jul-10	9-Jul-10	5-Oct-10
Time Animal picked up by MMSC:	2:15	3:30	6:00
State of animal when first observed:	Alive	Dead	Alive with no visible damage
State of animal when collected:	Good condition with normal behaviour, small scratches on carapace, no other visible signs of injury	Dead	Alive
State of animal when picked up:	Sea turtle healthy and exhibiting normal behavior; no injuries noted; few small scratches on carapace.	Turtle had scrapes on shell (minor) underside had small puncture wound in middle of chest. Unresponsive.	Alive
State of animal arriving at MMSC:	Several old scrapes and injuries on the plastron. A few minor scrapes on the carapace. Approx 1-inch wound under LFF near joint and approx 1/2-inch wound just above joint. Approx 1/2-inch wound under RFF. All wounds are old and partially healed. This turtle was active and eating well.	Dead	Alive

# OCNGS Sea Turtle Report 2010-9

	<u>Incidental Take 2010-4</u>	<u>Incidental Take 2010-5</u>	<u>Incidental Take 2010-6</u>
Final disposition of animal:	Tagged and released alive at the north end of Brigantine 7/9/10. Tagged RFF metal tag # SSL133 PIT tagged LFF # 4A2408150C	Transferred to MMSC at Brigantine, NJ; buried on beach with parts salvaged	Released 10/6/10 in Cape May Point State park
Carapace Length - Curved	32.5 cm	34.3 cm	32.3 cm
Carapace Length - Straight	31.8 cm	33 cm	30.6 cm
Carapace Width - Curved:	33 cm	31.8 cm	27.0 cm
Carapace Width - Straight:	28.9 cm	30.5 cm	24.8 cm
Weight - lbs (kgs)	10.2 lbs	13 lbs (est)	7.0 lbs
Existing Tag Number	no tag	no tag	no tag
Photograph attached	yes	yes	yes
Diagram of wounds, abnormalities, tag locations attached	Stranding Report MMSC 10-131	yes	yes
Description of Animal	Juvenile Kemp's ridley of undeterminate sex	Juvenile Kemp's ridley of undeterminate sex	Juvenile Green sea turtle of undeterminate sex
All information sent to: National Marine Fisheries Service, Northeast Region; Protected Resources Division; Attention: Endangered Species Coordinator; One Blackburn Drive; Gloucester, MA 01930	3-Jul-10, 9:52 Oyster Creek Environmental department completed faxing incident report for incidental take of a sea turtle to NMFS Endangered Species Coordinator	9-Jul-10, 15:15 Notified NMFS Endangered Species Coordinator	All information sent to: National Marine Fisheries Service, Northeast Region; Protected Resources Division; Attention: Endangered Species Coordinator; One Blackburn Drive; Gloucester, MA 01929

# OCNGS Sea Turtle Report 2010-9

	<u>Incidental Take 2010-7</u>	<u>Incidental Take 2010-8</u>	<u>Incidental Take 2010-9</u>
<b>OPERATIONS DEPARTMENT:</b>			
Observer's full name:	J. Labant	P Barnes	LaBant
Reporter's full name:	J Williams	P Barnes	LaBant
Species Identification (Key attached):	Kemp's ridley	Green	Green
Site of Impingement (CWS or DWS):	CWS	CWS	CWS
Bay Number:	4	5	1
Date animal observed:	5-Oct-10	11-Oct-10	30-Oct-10
Time animal observed:	1:35	0:30	4:02
Date animal collected:	5-Oct-10	11-Oct-10	30-Oct-10
Time animal collected:	1:35	0:30	4:03
<b>CONDITIONS AT COLLECTION:</b>			
Tidal Stage:	Ebb Tide	Flood Tide	Flood Tide
Cloud conditions:	Overcast	Clear	Clear
Precipitation:	Rain	None	None
Intake water temperature:	62.3°F	65.1 F / 18.4 C	59.3 F / 15.2 C
Other conditions	Light debris, steady rain for preceeding 48-hours, high intake water level two hours prior to low tide	Light debris, increasing intake water level two hours prior to high tide	Low tide, clear skies
Number of CW pumps running:	4	4	4
Number of DW pumps running:	2	2	2
Reactor power level at observation:	100%	100%	100%
Reactor power previous 48-hours:	100%	100%	100%
Date of last screen inspection:	5-Oct-10	11-Oct-10	30-Oct-10
Time of last screen inspection:	0:44:00	0:15:00	0:05:00
Date of last trash raking:	5-Oct-10	10-Oct-10	29-Oct-10
Time of last trash raking:	0:44:00	0:05:00	15:29



# OCNGS Sea Turtle Report 2010-9

	Incidental Take 2010-7	Incidental Take 2010-8	Incidental Take 2010-9
<b>ENVIRONMENTAL DEPARTMENT:</b>			
Date Brigatine MMSC contacted:	5-Oct-10	11-Oct-10	30-Oct-10
Time Brigatine MMSC contacted:	2:35	1:30	4:54
Date Animal picked up by MMSC:	5-Oct-10	11-Oct-10	30-Oct-10
Time Animal picked up by MMSC:	6:00	6:45	7:22
State of animal when first observed:	Alive with no visible damage	Alive with no visible damage	Alive with only minor abrasions
State of animal when collected:	Alive	Alive	Alive
State of animal when picked up:	Alive	Alive	Alive
State of animal arriving at MMSC:	Alive	Alive	Alive

# IGS Sea Turtle Report 2010-9

	<u>Incidental Take 2010-7</u>	<u>Incidental Take 2010-8</u>	<u>Incidental Take 2010-9</u>
Final disposition of animal:	Released 10/6/10 in Cape May Point State park	Released 10/11/10 in Cape May Point State park	Transferred 11/2/10 to Virginia Aquarium and Marine Science Center for subsequent release
Carapace Length - Curved	35.6 cm	29.9 cm	32.4 cm
Carapace Length - Straight	33.6 cm	28.8 cm	30.7 cm
Carapace Width - Curved:	37.5 cm	25.2 cm	29.7 cm
Carapace Width - Straight:	32.2 cm	23.2 cm	26.3 cm
Weight - lbs (kgs)	11.2 lbs	6.4 lbs	8.2 lbs
Existing Tag Number	no tag	no tag	no tag
Photograph attached	yes	yes	yes
Diagram of wounds, abnormalities, tag locations attached	yes	yes	yes
Description of Animal	Juvenile Kemp's ridley of undeterminate sex	Juvenile Green sea turtle of undeterminate sex	Juvenile Green sea turtle of undeterminate sex
All information sent to: National Marine Fisheries Service, Northeast Region; Protected Resources Division; Attention: Endangered Species Coordinator; One Blackburn Drive; Gloucester, MA 01930	All information sent to: National Marine Fisheries Service, Northeast Region; Protected Resources Division; Attention: Endangered Species Coordinator; One Blackburn Drive; Gloucester, MA 01930	All information sent to: National Marine Fisheries Service, Northeast Region; Protected Resources Division; Attention: Endangered Species Coordinator; One Blackburn Drive; Gloucester, MA 01930	All information sent to: National Marine Fisheries Service, Northeast Region; Protected Resources Division; Attention: Endangered Species Coordinator; One Blackburn Drive; Gloucester, MA 01931