

Attachment 47 to GNRO-2012/00039

**Attachment 47 to
GNRO-2012/00039**

ER Reference—GGNS 2011h (2010 Depredation Report)



Entergy

Entergy Operations, Inc.
P.O. Box 756
Port Gibson, MS 39150
Tel 601 437 2800

January 25, 2011

Ms. Carmen P. Simonton
U.S. Department of the Interior
Fish and Wildlife Service
Migratory Bird Permit Office
P.O. Box 49208
Atlanta, GA 30359

SUBJECT: Grand Gulf Nuclear Station
Federal Depredation Annual Report; Permit Renewal Request, and
Migratory Bird Damage Project Report
Permit No. MB798276-0

GEXO-2011/ 00060

Dear Ms. Simonton:

As required by your letter, we are including our Depredation Annual Report Form, our permit renewal request [which includes the renewal fee of \$100.00], and our Updated Migratory Bird Damage Project Report.

If you have any questions, please contact Charles K. Shepphard at (601) 437-7312 or by email at: CShepph@Entergy.com.

Sincerely,

Mr. Richard A. Scarbrough
Chemistry Manager
Grand Gulf Nuclear Station

CKS/JML/RAS/cks



GEXO-2011/00060

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**Attachments: Permit Renewal Application
2010 Depredation Annual Report Form
Updated Migratory Bird Damage Project Report
Renewal Fee of \$100.00**

cc:

**Ms. Christina Perino w/o
Mr. Patrick Donahue (K-WPO-12E) w/a
Mr. Patrick Smith [USDA] w/a
Mr. Elmo Collins [NRC] w/a
File [CHEM]
File [CENTRAL] (6)**



United States Department of the Interior

FISH AND WILDLIFE SERVICE

Migratory Bird Permit Office
P. O. Box 49208
Atlanta, Georgia 30359



ENTERGY OPERATIONS, INC.
GRAND GULF NUCLEAR STATION
POST OFFICE BOX 756
PORT GIBSON, MS 39150

Your Federal Migratory Bird DEPREDATION (DPRD) PERMIT, MB798276-0, expires on March 31, 2011. Please indicate if a renewal is desired: Yes No

RENEWAL PROCEDURES:

1. Attach a specific description of the damage or other interests harmed over the past year, an estimate of the economic loss suffered as a result, and an estimate of the number of each species involved.
** Please see attachment **
2. Attach a description of the nonlethal control techniques you have used to alleviate or eliminate the problem over the past year, including how long and how often they have been conducted.
** Please see attachment **
3. Attach an updated Migratory Bird Damage Report (WS Form 37). This form is completed by U.S. Department of Agriculture, Wildlife Services Program. You may contact the Wildlife Services Program at (866) 487-3297.
4. Enclose a check or money order in the amount of \$100 and payable to the U.S. Fish and Wildlife Service. If you are a homeowner requesting a permit for damage to your personal residence or property, enclose \$50.00. Federal, State, Tribal and Municipal government agencies are exempt from the fee requirement.
5. If you are applying on behalf of an airport for a permit to control birds in flight zones, indicate whether you are operating under an approved Wildlife Hazard Management Plan.
Yes No
6. Report any changes in the information submitted with your original application including name, principal officer, address, phone number or location of business.
7. Complete this renewal letter and the enclosed Depredation Annual Report and return them with the attachments and your fee to the address above by January 31, 2011.

If you have any questions, please contact this office at the address above or call 404-679-7051. Information, regulations and forms may be obtained by visiting our website at www.fws.gov/permits. Please note that the Service revised the list of species protected under the Migratory Bird Treaty Act effective March 31, 2010. For more information, please visit <http://www.fws.gov/migratorybirds/mbpermits.html>.

I hereby certify that all information submitted in support of my original application remains current and correct except as changed previously or with this form. I understand any false statement may subject me to the criminal penalties of 18 USC 1001.

Signature

C. Shupham

Date

1/13/2011



U.S. FISH & WILDLIFE SERVICE - MIGRATORY BIRD PERMIT OFFICE

Post Office Box 49208, Atlanta, Georgia 30359
(404) 679-7070

Office Use Only
Date Completed Report
rec'd in Regional Office
Initials:

DEPREDAATION - ANNUAL REPORT

PERMITTEE: DPRO-798276, 03/31/2011
ENTERGY OPERATIONS, INC.
ADDRESS: GRAND GULF NUCLEAR STATION
POST OFFICE BOX 756
PORT GIBSON, MS 39150

PERMIT NUMBER: MB 798276-0

REPORT FOR CALENDAR YEAR: 2010

REPORT DUE DATE: January 31, 2011

Check here if reporting a change of name, address, or contact information. PHONE: (401) 437-7312 Email: CShepph@Entergy.com

INSTRUCTIONS: Type or print the information requested below for all birds taken or held under your permit during the year covered by this report and return the completed report to the above address by the due date. Use of this form is not mandatory, but the same information must be submitted. A supplemental sheet is available if needed. Filing an annual report is a condition of your permit. Failure to file a timely report can result in permit suspension. If you had no activity under your permit during the report year, state "No activity" on the form. (50 CFR parts 13, 21, & 22)

MAKE SURE YOU SIGN & DATE THE CERTIFICATION STATEMENT BELOW BEFORE YOU SUBMIT YOUR REPORT.

Please group your entries first by Species, then by State, County, and Month. Provide a subtotal for each species collected by State. See example below.

Table with columns: Species (Common Name), When & Where Taken (State, County), Quantity (Birds Killed, Relocated, Nests Destroyed), and Final Disposition. Includes example rows for Ring-billed Gull and a handwritten 'No Activity' entry.

* Relocated in the wild ** Refers to nests with eggs that are destroyed, added, oiled, or removed from wild. Do not enter individual eggs, and do not include inactive nests destroyed.

CERTIFICATION: I certify that the information in this report is true and correct to the best of my knowledge. I understand that any false statement herein may subject me to the criminal penalties of 18 U.S.C. 1001.

Signature: [Handwritten Signature] Date: 1/13/2011

Attachment

Attach a specific description of the damage or other interests harmed over the past year, an estimate of the economic loss suffered as a result, and an estimate of the number of each species involved. [Item 1]:

Damage primarily results from bird defecation on safety related and similar equipment, such as motors, emergency water reservoirs, piping, card readers, walkways, and stairways, electrical wiring, and cable trays. Also, the increased frequency of visits by employees and security personnel to various areas of this facility resulting from changes implemented since the September 11, 2001, terrorist attacks have increased exposure to bird mites and other potential health effects.

The primary species involved are:

Barn Swallows [Hirundo rustica]

Cliff Swallows [Petrochelidon pyrrhonta]

Swallow nests occur at varying location and include colonies varying from a few nests to hundreds of nests, depending upon the particular locations.

The actual damage costs to plant equipment have not been determined at this time. In 2007 the cost for implementing non-lethal control techniques were approximately \$23,000. These techniques include the cleaning, painting, and periodic maintenance of equipment and facility areas subject to debris deposition, defecation, and other damage by birds.

Attach a description on non-lethal control techniques you have used to alleviate or eliminate the problem over the past year, including how long and how often they have been conducted. [Item 2]:

Grand Gulf Nuclear Station began implementing non-lethal control techniques in 1994. These include the removal of abandoned nests after the migration is begun and cleaning the nest sites to remove residuals that encourage nesting the following season. Many of these nest sites are also painted to discourage nest rebuilding the next year. In addition, we utilize other non-lethal control techniques such as the periodic relocation of fake predators such as owls netting, plastic door coverings, noise makers, and wire barricades. In 2007, several areas were pressure washed and painted to control bird activities. These areas included the Standby Service Water Basins, the Radial Wells, the Radial Well Switchgear House and the Administration Building.