Attachment 45 to

GNRO-2012/00039

ER Reference—GGNS 2009g (2008 Depredation Report)

Entergy

Entergy Operations, Inc.
[illegible]

January 20, 2009

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- 00001

Dear Ms. Simonton:

As required by your letter dated December 18, 2008, 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,

for

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

CKS/JML/RAS/cks

BEST COPY

Attachments: 2008 Depredation Annual Report Form
Permit Renewal Application
Renewal Fee of $100.00
Updated Migratory Bird Damage Project Report

cc:

Mr. M. J. Larsons w/o
Mr. R. N. Buckley (M-ECH-595) w/a
Mr. Patrick Smith [USDA] w/a
Mr. Elmo Collins [NRC] w/a
File [CHEM]
File [CENTRAL] (9)

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Migratory Bird Permit Office
P. O. Box 49208
Atlanta, Georgia 30359

December 18, 2008

ENTERGY OPERATIONS, INC.
GRAND GULF NUCLEAR STATION
P.O. BOX 756
PORT GIBSON, MS 39150

Your Federal Migratory Bird DEPREDATION (DPRD) PERMIT, MB798276-0, expires on March 31, 2009.

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 I
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 I
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. 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, 2009**.

If this written request for renewal of your permit is **postmarked by March 01, 2009**, you may continue activities authorized by your expired permit until the Service has acted on your request for renewal. (See 50 CFR 13.22) You will be required to submit a new application if you allow your current permit to expire.

If you have any questions, please contact this office at the address above or call 404-679-7070. Information, regulations and forms may be obtained by visiting our website at www.fws.gov/permits.

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 _____ Date 1/12/09

TAKE PRIDE IN AMERICA

Attachment I

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 fro 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 of 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.

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

(See attached addresses)

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

DEPREDATION - ANNUAL REPORT

PERMITTEE: ENTERGY OPERATIONS, INC. **PERMIT NUMBER:** MB798276-0

ADDRESS: P.O. BOX 756 **REPORT FOR CALENDAR YEAR:** 2008

PORT GIBSON (City) MS (State) 39096 (Zip Code) **REPORT DUE DATE:** JANUARY 31, 2008

☑ **Check here if reporting a change of name, address, or contact information** **PHONE:** 601-437-7312 **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.

Species (Common Name)	When & Where Taken			Quantity			Final Disposition (What you did with the birds, eggs, carcasses, e.g., destroyed (buried/incinerated); donated to food processing center; released; transferred (to whom?))
	State	County (or equivalent)	Month Taken	Birds Killed	Birds Relocated *	Nests Destroyed **	
Example: Ring-billed Gull	VA	Fairfax	Mar	10	0	0	Destroyed
Ring-billed Gull	VA	Chester	Apr	5	0	20	Destroyed
Species Total	VA	-	-	15	0	20	-
NO ACTIVITY							

*** Relocated in the wild** *** * Refers to nests with eggs that are destroyed, addled, 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: [signature] Date: 1/9/09

FEDERAL FISH AND WILDLIFE PERMIT REPORT

Paperwork Reduction Act, Privacy Act, and Freedom of Information Act – Notices

In accordance with the Paperwork Reduction Act of 1995 (44 U.S.C. 3501, *et seq.*) and the Privacy Act of 1974 (5 U.S.C. 552a), please be advised:

1. The gathering of information on fish and wildlife is authorized by:
(Authorizing statutes can be found at: http://www.gpoaccess.gov/cfr/index.html and http://www.fws.gov/permits/ltr/ltr.shtml.)

   a. Bald and Golden Eagle Protection Act (16 U.S.C. 668), 50 CFR 22;
   b. Migratory Bird Treaty Act (16 U.S.C. 703-712), 50 CFR 21;
   c. General Provisions, 50 CFR 10;
   d. General Permit Procedures, 50 CFR 13; and
   e. Wildlife Provisions (Import/export/transport), 50 CFR 14.

2. Information requested in this form is purely voluntary. However, submission of requested information is a condition of your permit under the above laws. Failure to provide all requested information may be sufficient cause for the U.S. Fish and Wildlife Service to revoke your permit. Response is not required unless a currently valid Office of Management and Budget (OMB) control number is displayed on form.

3. Disclosures outside the Department of the Interior may be made without the consent of an individual under the routine uses listed below, if the disclosure is compatible with the purposes for which the record was collected. (Ref. 68 FR 52611, September 4, 2003)

   a. Routine disclosure to subject matter experts, and Federal, tribal, State, local, and foreign agencies, for the purpose of obtaining advice relevant to making a decision on an application for a permit or when necessary to accomplish a FWS function related to this system of records.
   b. Routine disclosure to Federal, tribal, State, local, or foreign wildlife and plant agencies for the exchange of information on permits granted or denied to assure compliance with all applicable permitting requirements.
   c. Routine disclosure to Federal, tribal, State, and local authorities who need to know who is permitted to receive and rehabilitate sick, orphaned, and injured birds under the Migratory Bird Treaty Act and the Bald and Golden Eagle Protection Act; federally permitted rehabilitators; individuals seeking a permitted rehabilitator with whom to place a bird in need of care; and licensed veterinarians who receive, treat, or diagnose sick, orphaned, and injured birds.
   d. Routine disclosure to the Department of Justice, or a court, adjudicative, or other administrative body or to a party in litigation before a court or adjudicative or administrative body, under certain circumstances.
   e. Routine disclosure to the appropriate Federal, tribal, State, local, or foreign governmental agency responsible for investigating, prosecuting, enforcing, or implementing statutes, rules, or licenses, when we become aware of a violation or potential violation of such statutes, rules, or licenses, or when we need to monitor activities associated with a permit or regulated use.
   f. Routine disclosure to a congressional office in response to an inquiry to the office by the individual to whom the record pertains.
   g. Routine disclosure to the General Accounting Office or Congress when the information is required for the evaluation of the permit programs.
   h. Routine disclosure to provide addresses obtained from the Internal Revenue Service to debt collection agencies for purposes of locating a debtor to collect or compromise a Federal claim against the debtor or to consumer reporting agencies to prepare a commercial credit report for use by the FWS.

4. For individuals, personal information such as home address and telephone number, financial data, and personal identifiers (social security number, birth date, etc.) will be removed prior to any release of the application.

5. The public reporting burden on the applicant for information collection varies depending on the activity for which a permit is requested. The relevant burden for a Depredation permit annual report is 1 hour. This burden estimate includes time for reviewing instructions, gathering and maintaining data and completing and reviewing the form. You may direct comments regarding the burden estimate or any other aspect of the form to the Service Information Clearance Officer, U.S. Fish and Wildlife Service, Mail Stop 222, Arlington Square, U.S. Department of the Interior, 1849 C Street, NW, Washington D.C. 20240.

Freedom of Information Act – Notice

For organizations, businesses, or individuals operating as a business (i.e., permittees not covered by the Privacy Act), we request that you identify any information that should be considered privileged and confidential business information to allow the Service to meet its responsibilities under FOIA. Confidential business information must be clearly marked "Business Confidential" at the top of the letter or page and each succeeding page and must be accompanied by a non-confidential summary of the confidential information. The non-confidential summary and remaining documents may be made available to the public under FOIA [43 CFR 2.13(c)(4), 43 CFR 2.15(d)(1)(i)].

U.S. Fish & Wildlife Service

Migratory Bird Regional Permit Offices

FWS REGION	AREA OF RESPONSIBILITY	MAILING ADDRESS	CONTACT INFORMATION
Region 1	**California, Hawaii, Idaho, Nevada, Oregon, Washington**	911 N.E. 11th Avenue Portland, OR 97232-4181	Tel. (503) 872-2715 Fax (503) 231-2019 Email *permitsR1MB@fws.gov*
Region 2	**Arizona, New Mexico, Oklahoma, Texas**	P.O. Box 709 Albuquerque, NM 87103	Tel. (505) 248-7882 Fax (505) 248-7885 Email *permitsR2MB@fws.gov*
Region 3	**Iowa, Illinois, Indiana, Minnesota, Missouri, Michigan, Ohio, Wisconsin**	One Federal Drive Fort Snelling, MN 55111	Tel. (612) 713-5436 Fax (612) 713-5393 Email *permitsR3MB@fws.gov*
Region 4	**Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Virgin Islands, Puerto Rico**	P.O. Box 49208 Atlanta, GA 30359	Tel. (404) 679-7070 Fax (404) 679-4180 Email *permitsR4MB@fws.gov*
Region 5	**Connecticut, District of Columbia, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Virginia, Vermont, West Virginia**	P.O. Box 779 Hadley, MA 01035-0779	Tel. (413) 253-8643 Fax (413) 253-8424 Email *permitsR5MB@fws.gov*
Region 6	**Colorado, Kansas, Montana, North Dakota, Nebraska, South Dakota, Utah, Wyoming**	P.O. Box 25486 DFC(60154) Denver, CO 80225-0486	Tel. (303) 236-8171 Fax (303) 236-8017 Email *permitsR6MB@fws.gov*
Region 7	**Alaska**	1011 E. Tudor Road (MS-201) Anchorage, AK 99503	Tel. (907) 786-3693 Fax (907) 786-3641 Email *permitsR7MB@fws.gov*

U.S. DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE
ANIMAL DAMAGE CONTROL

MIGRATORY BIRD DAMAGE PROJECT REPORT

1. COOPERATOR NAME, ADDRESS AND TELEPHONE NUMBER (Include business/agency name if appropriate)	2. LOCATION OF DAMAGE	
Entergy Operations, Inc. Grand Gulf Nuclear Station P.O. Box 756 Port Gibson, MS 39150 TELEPHONE : Work: (601) 437-2288 : Fax: (601) 437-2190	The damage is located at the Grand Gulf Nuclear Station outside of Port Gibson, MS. The Station is approximately 5 miles West of Highway 61 on Bald Hill Road.	
	3. COUNTY Claiborne	4. STATE Mississippi

5. RESOURCE

A. RESOURCE CATEGORY	B. SPECIFIC REOURCES DAMAGED	C. NATURE OF DAMAGE
: Agricultural : Natural Resources X Property X Human Health and Safety	Walk ways, door ways, and other safety related systems	Droppings and nest debris

6. DAMAGE ESTIMATE

A. QUANTITY OF LOSS AND UNIT OF MEASURE (Pounds Acres, Each, etc.)	B. DOLLAR LOSS (If applicable)	c. LOSS CONFIRMED BY ADC
Five Locations are being impacted, walk ways, door ways, and safety related systems. Droppings and nesting debris are the nature of the damage.	Per Unit : Total $23,000 /annually	X Yes :No

D. DURATION/TIME PERIOD OF DAMAGE	E. DATE ASSISTANCE REQUEST RECEIVED	F. DATE OF INVESTIGATION	INVESTIGATION TYPE
Annual/Seasonal	January 9,2009	January 9, 2009	: Site Visit X Telephone Letter : Other

7. MIGRATORY BIRD SPECIES

A. DEPREDATING SPECIES	B. NUMBER INVOLVED	C. COMMENTS
Cliff Swallows	3000-5000	Numbers involved are an estimate of possible daily averages of each species as reported by cooperator at the site and applicable habitat. Occurrence and abundance of each species can be annual and/or seasonal. The number of individuals for any species listed may be much greater than the estimate during a given time period.
Barn Swallows	3000-5000	

8. ADC ASSISTANCE PROVIDED

A. TYPE OF ASSISTANCE PROVIDED

Direct Control : Equipment Loan :Other (Specify)
X Technical Assistance Supplies

B. RECOMMENDED ACTION(S)

X Harassment or hazing techniques Lethal trapping Trap and relocate
X Habitat alteration and/or barriers X Shooting X Other (Specify): nest destruction, suitable euthanasia of birds, and egg destruction

C. METHODS ATTEMPTED,RESULTS,COMMENTS:

Methods attempted include painting structures with special clear coat paint that the mud from nests will not stick to, power washing nests, installing aluminum sheet metal, and adding insulation to prevent swallows from coming into overhang. These attempts have not prevailed. $23,000 was spent in 2007 in attempt to prevent birds from nesting.

9. DEPREDATION PERMIT

ADC RECOMMENDS PERMIT BE ISSUED: X Yes No
If "Yes" suggested conditions of permit:

Species	Number to be taken
Cliff Swallows / eggs.- nests	200 / 200
Barn Swallow / eggs - nests	200 / 200

10. ADC INVESTIGATOR NAME AND ADDRESS (Print)	12. FOR USE BY DEPREDATION PERMIT AGENCY
Patrick L. Smith, District Supervisor USDA/APHIS/Wildlife Services P.O. Box 316 Stoneville, MS 38776 TELEPHONE: (662) 686-3157	
11. ADC INVESTIGATOR'S SIGNATURE	

ADC FORM 37