

Greg Gibson
Vice President, Regulatory Affairs

750 East Pratt Street, Suite 1600
Baltimore, Maryland 21202



November 16, 2010

UN#10-284

Permit Coordinator
Maryland Department of Natural Resources
Wildlife and Heritage Service
Tawes State Office Building, E-1
580 Taylor Avenue
Annapolis, MD 21401

Subject: Renewal/Extension of Maryland Department of Natural Resources Wildlife and
Heritage Service Endangered Species Permit Number 47709

References: 1) Maryland Department of Natural Resources Wildlife and Heritage Service
Endangered Species Permit Number 45135, dated September 2009.

2) U.S. Fish and Wildlife Service Eagle Scientific Collecting Permit Number
MB207511-1.

Dear Sir or Madam:

UniStar Nuclear Energy, LLC (UNE) is requesting renewal/extension of Endangered Species Permit Number 47709 granted to the Calvert Cliffs 3 Nuclear Project, LLC, by the Maryland Department of Natural Resources (MDNR), Natural Heritage (Reference 1). Please find the signed application form enclosed.

As required in the renewal application, an annual report summarizing permitted activities to date is being provided as part of the application. Note that Reference 2 above cites the current federal permit, which is a condition to obtain the MDNR permit renewal.

If you have any questions regarding this transmittal, please contact me at (410) 470-4205 or Yvonne Abernethy (803) 644-0146 extension 225.

Sincerely,

A handwritten signature in black ink, appearing to read 'Greg Gibson', with a stylized, cursive script.

Greg Gibson

Enclosure – Application for Wildlife Permit/License Renewal (Including Fee), Calvert Cliffs
Nuclear Power Plant, Calvert County, Maryland, November 2010

cc: Glenn Therres – Wildlife and Heritage Program, MDNR
Susan Gray – Power Plant Research Program, MDNR
Brent Hare – Maryland Energy Administration
Laura Quinn – NRC Project Manager, Environmental Projects Branch 2

UN#10-284

Enclosure

**Application for Wildlife Permit/License Renewal (Including Fee)
Calvert Cliffs Nuclear Power Plant
Calvert County, Maryland
November 2010**

MARYLAND DEPARTMENT OF NATURAL RESOURCES
WILDLIFE AND HERITAGE SERVICE PHONE: 410-260-8546

APPLICATION FOR WILDLIFE PERMIT/LICENSE RENEWAL

THIS IS AN APPLICATION FOR THE REISSUANCE OF A WILDLIFE PERMIT/LICENSE. REVIEW ALL THE INFORMATION IN PARTS 1-8, MAKING ANY NEEDED CORRECTIONS IN THE SPACE TO THE RIGHT.

COMPLETE PART 15 AND 16 THEN RETURN WITH FEE SHOWN IN PART 13 TO PERMITS COORDINATOR, WILDLIFE AND HERITAGE SERVICE, 580 TAYLOR AVE., E-1, ANNAPOLIS MD 21401. MAKE CHECKS PAYABLE TO MARYLAND DEPARTMENT OF NATURAL RESOURCES.

CURRENT INFORMATION

Calvert Cliffs 3 Nuc Project LLC
ATTN: Edward Jarmas
750 E. Pratt Street, 14th Floor
BALTIMORE, MD 21202

CORRECTED/NEW INFORMATION

1. Company:
2. Name:
3. Street:
4. City/State/Zip:
5. County:

6. PHONE-HOME:

7. PHONE-WORK: 410-470-5857

8. NAME AND TITLE OF PRINCIPAL OFFICER (IF COMPANY):

ATTN: Edward Jarmas

9. TYPE: Endangered Species

10. CURRENT PERMIT #: ESP 47709

11. LOCATION WHERE AUTHORIZED ACTIVITY MAY BE
CONDUCTED (IF APPLICABLE)

12. NEW PERMIT/LICENSE WILL BE EFFECTIVE: 01-01-11 AND EXPIRE: 12-31-11 13. FEE: \$25

14. COMPLIANCE WITH THE SPECIAL CONDITIONS LISTED BELOW ARE NECESSARY FOR PERMIT RENEWAL:

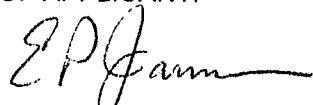
An annual report summarizing permit activity must accompany renewal.

15. CHECK ONE OF THE FOLLOWING TO COMPLY WITH MARYLAND'S WORKMEN COMPENSATION ACT (ARTICLE 1-401).

I AM: ☐ SUPPLYING DNR WITH A CERTIFICATE OF INSURANCE.
☒ SUPPLYING DNR WITH INSURANCE. BINDER NUMBER C0208A1A09
☐ SELF-EMPLOYED OR EMPLOY ONLY FAMILY MEMBERS, AND THEREFORE I AM NOT
REQUIRED TO COMPLY WITH THIS LAW.

16. I HEREBY APPLY FOR RENEWAL OF THE ABOVE PERMIT/LICENSE AND CERTIFY UNDER PENALTY OF PERJURY THAT THE INFORMATION HEREIN IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF.

SIGNATURE OF APPLICANT:



DATE:

11/16/10

UNISTAR NUCLEAR DEVELOPMENT LLC

VENDOR CODE 42432

CHECK DATE: 01-NOV-10 CHECK NO:

900082

OUR REF. NO.	INVOICE	PURCHASE ORDER	INV. DATE	DISCOUNT	NET AMOUNT
2149788	sp28oct10		28-OCT-10		25.00
Renewal: PERMIT# ESP 47709					
			TOTALS>		25.00

DETACH THIS PORTION
BEFORE DEPOSITING CHECK

THE FACE OF THIS DOCUMENT IS PRINTED BLUE - THE BACK CONTAINS A SIMULATED WATERMARK



Unistar Nuclear Development LLC

PO Box 1809, Lusby, MD 20657

DATE

01-NOV-10

AMOUNT

*****25.00

CHECK NUMBER

900082

PAY *Twenty five and 00/100 Dollars*TO THE
ORDER
OFDEPARTMENT OF NATURAL
RESOURCES PERMITS COORD
WILDLIFE & HERITAGE SERVICE
580 TAYLOR AVE
ANNAPOLIS MD 21401

VOID AFTER ONE HUNDRED EIGHTY DAYS FROM DATE OF CHECK

Citibank N.A.
One Penn's Way
New Castle, DE 19720

Monitoring Report for Bald Eagles at Calvert Cliffs Nuclear Power Plant, MD

2010 Monitoring Report for Federal Fish and Wildlife Eagle Scientific Collecting Permit MB207511-1

August 31, 2010

Bryan D. Watts, PhD
Elizabeth K. Mojica
Center for Conservation Biology
College of William and Mary & Virginia Commonwealth University

Recommended Citation:

Watts, B.D. and E.K. Mojica. 2010. Monitoring Report for Bald Eagles at Calvert Cliffs Nuclear Power Plant, MD. Center for Conservation Biology Technical Report Series, CCBTR-10-07. College of William and Mary & Virginia Commonwealth University, Williamsburg, VA. 3 pp.



The Center for Conservation Biology is an organization dedicated to discovering innovative solutions to environmental problems that are both scientifically sound and practical within today's social context. Our philosophy has been to use a general systems approach to locate critical information needs and to plot a deliberate course of action to reach what we believe are essential information endpoints.

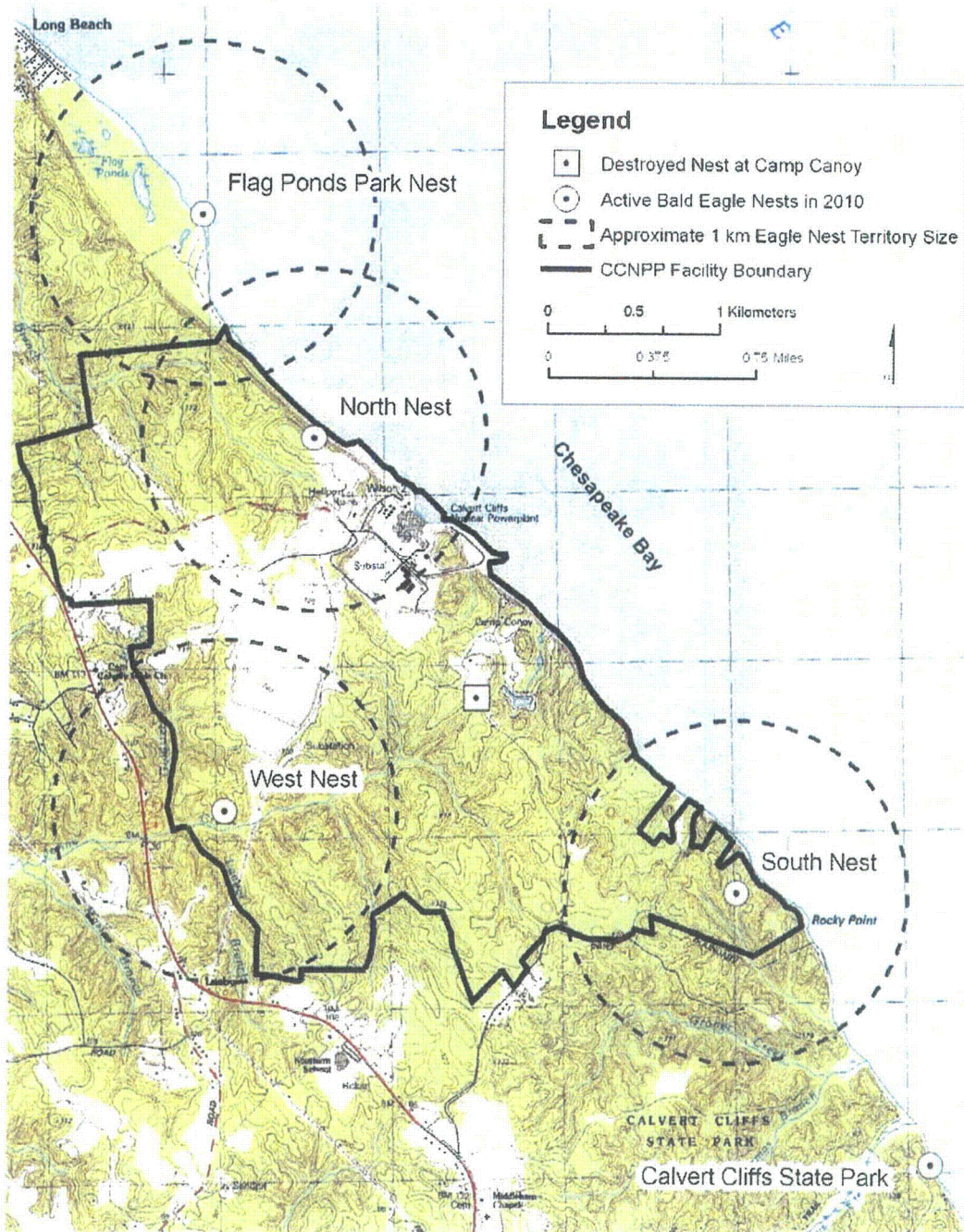
Background

Under Migratory Bird permit MB207511-1, a Bald Eagle nest was removed in the non-breeding season (10/9/2009) from the construction site of a new reactor at Calvert Cliffs Nuclear Power Plant (CCNPP), in Calvert County, Maryland.

Methods

CCNPP and surrounding properties were monitored by two observers in a 172 Cessna plane flying approximately 200-500' above the nest. Presence of adult eagles, nest contents, and condition of each nest structure were recorded.

Figure 1. Bald Eagle nests monitored during the 2010 breeding season.



Results

We monitored 4 eagle nesting territories on CCNPP for breeding attempts (Table 1). Only one nest on CCNPP successfully raised young in 2010 (South nest). Two territories were documented incubating but later failed for unknown reasons (North and West nests). The territory at Camp Conoy remained empty during the breeding season and no nesting attempts were documented.

Two nests on surrounding public lands were active during the 2010 breeding season. One nest just north of CCNPP on Flag Ponds Park was documented incubating but later failed for unknown reasons. A new territory was established southeast of the South nest in Calvert Cliffs State Park. We speculate the eagle pair from Camp Conoy could have moved south one territory since no activity was documented within Camp Conoy and this nest on the State Park was newly built.

The western shore of Maryland received multiple snow storms during the eagle breeding season this year. These storms produced high winds and 2-3' of snow. These weather conditions may have disrupted the active eagle nests in this area and caused nest failures. It is unknown if severe winter weather contributed to the failure of nests monitored in this study.

Table 1. Aerial flight observations for Bald Eagle nests surveyed on Calvert Cliffs Nuclear Power Plant and surrounding properties.

Nest	1/18/2010	2/15/2010	3/16/2010	5/26/2010
North Nest	Fresh grass lining in nest.	Incubating adult on nest	Incubating adult on nest	Nest empty, failed
West Nest	New sticks in nest. 1 adult perched on nest tree	Nest lining fresh	Incubating, 2 adults present	Nest empty, failed
South Nest	Fresh grass lining in nest. 2 adults perched nearby.	Snow in nest	No eggs, 2 adults standing in nest	2 chicks (27 days old) and 1 adult in nest
Flag Ponds Park	Fresh grass lining in nest.	Nest lining fresh	Incubating, 2 adults present	Nest empty, failed
Calvert Cliffs State Park	Nest not present on survey	Nest lining fresh but not final	Incubating adult on nest	Nest empty- partially blown out of tree
Camp Conoy	New nest not found. 1 adult present on nearby shoreline	No activity in territory	No activity in territory	No activity in territory

Future Monitoring

Aerial surveys are planned for December 2010 – May 2011 for the next eagle breeding season.