

## CCNPP3COLA PEmails

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**From:** Anderson, Kathy NAB [Kathy.Anderson@usace.army.mil]  
**Sent:** Monday, March 07, 2011 1:36 PM  
**To:** Lutchenkov, Dimitri; Burkman, Jim  
**Cc:** Quinn, Laura; Francis, Woody NAB  
**Subject:** Corps Work Description (UNCLASSIFIED)  
**Attachments:** signed CCNPP PN no plans.pdf

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Classification: UNCLASSIFIED

Caveats: NONE

Dimitri and Jim,

Please see the work description in our public notice and make any revisions, as necessary. For any revisions, please send us the appropriate updated plan sheet. Thanks.

<<signed CCNPP PN no plans.pdf>>

*Thank you,*

*Kathy B. Anderson  
Chief, Maryland Section Southern  
U.S. Army Corps of Engineers, Baltimore District  
Operations Division, Regulatory Branch  
(410) 962-5690  
(410) 962-6001(fax)*

[kathy.anderson@usace.army.mil](mailto:kathy.anderson@usace.army.mil)

<http://www.nab.usace.army.mil/Regulatory/index.html>

<http://www.facebook.com/USACEBaltimore>

Classification: UNCLASSIFIED

Caveats: NONE

**Hearing Identifier:** CalvertCliffs\_Unit3Cola\_Public\_EX  
**Email Number:** 1692

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**Subject:** Corps Work Description (UNCLASSIFIED)  
**Sent Date:** 3/7/2011 1:35:38 PM  
**Received Date:** 3/7/2011 1:36:03 PM  
**From:** Anderson, Kathy NAB

**Created By:** Kathy.Anderson@usace.army.mil

**Recipients:**

"Quinn, Laura" <Laura.Quinn@nrc.gov>  
Tracking Status: None  
"Francis, Woody NAB" <WOODY.FRANCIS@usace.army.mil>  
Tracking Status: None  
"Lutchenkov, Dimitri" <dimitri.lutchenkov@unistarnuclear.com>  
Tracking Status: None  
"Burkman, Jim" <Jim.Burkman@constellation.com>  
Tracking Status: None

**Post Office:** nab-ml4bal.nab.ds.usace.army.mil

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MESSAGE	659	3/7/2011 1:36:03 PM
signed CCNPP PN no plans.pdf		904596

**Options**

**Priority:** Standard  
**Return Notification:** No  
**Reply Requested:** No  
**Sensitivity:** Normal  
**Expiration Date:**  
**Recipients Received:** Follow up



U.S. Army Corps  
Of Engineers,  
Baltimore District

# Public Notice

In Reply to Application Number  
CENAB-OP-RMS (NAB-2007-08123-M01 (Calvert Cliffs 3 Nuclear  
Project, LLC/Unistar Nuclear Operating Services, LLC)

PN 10-21

Comment Period: April 26, 2010 to July 6, 2010

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**THE PURPOSE OF THIS PUBLIC NOTICE IS TO ANNOUNCE THE RELEASE AND AVAILABILITY OF THE DRAFT ENVIRONMENTAL IMPACT STATEMENT (DEIS), PREPARED BY THE NUCLEAR REGULATORY COMMISSION (NRC) AND THE U.S. ARMY CORPS OF ENGINEERS (CORPS) AND TO PROVIDE NOTICE OF A PUBLIC MEETING/PUBLIC HEARING BY THE NRC AND THE CORPS AND TO SOLICIT COMMENTS ABOUT THE WORK DESCRIBED BELOW. AT THIS TIME, NO DECISION HAS BEEN MADE AS TO WHETHER OR NOT A PERMIT WILL BE ISSUED FOR THE PROPOSED WORK.**

The NRC is the “lead Federal agency” in the preparation of the Draft and Final Environmental Impact Statements (DEIS/FEIS) for work associated with the expansion of the power plant facilities. The Corps is a cooperating agency to NRC on the preparation of the DEIS and FEIS for this proposal. The environmental impact of construction activities in Waters of the U.S., including jurisdictional wetlands will be reviewed by the Corps and addressed in the FEIS. The Corps permit decision will be made following issuance of the FEIS.

Notice is hereby given that, the NRC and the Corps, have published NUREG-1936, *Environmental Impact Statement for the Combined License (COL) for Calvert Cliffs Nuclear Power Plant Unit 3: Draft Report for Comment*, and it is available for public inspection. The NRC and the Corps have released this DEIS concerning the proposal by Calvert Cliffs 3 Nuclear Project, LLC and Unistar Nuclear Operating Services, LLC to perform site preparation activities and construct supporting facilities at the site of a proposed nominal 1,710 MW nuclear power generation station. The project site is located in Calvert County, Maryland, along the western shore of the Chesapeake Bay.

The DEIS can be accessed as follows:

(1) On-line at:

<http://www.nrc.gov/reactors/new-reactors/col/calvert-cliffs/documents/nrc-2010.html>,

<http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1936/>,

<http://www.nrc.gov/reactors/new-reactors/col/calvert-cliffs.html>

(2) at U.S. NRC Public Document Room (PDR) located at One White Flint North, 11555 Rockville Pike (first floor), Public File Area O1-F21, Rockville, Maryland 20852, or

(3) from the NRC Agency-wide Documents Access and Management System (ADAMS). ADAMS is accessible from the NRC website at <http://www.nrc.gov/reading-rm/adams.html>.

The DEIS is also available via the NRC's electronic document database, ADAMS. By entering accession numbers ML101000012 and ML101000013, in the ADAMS search engine at: <http://adamswebsearch.nrc.gov/dologin.htm>. Persons who do not have access to ADAMS, or who encounter problems in accessing the documents located in ADAMS, should contact the PDR reference staff at 1-800-397-4209, or 301-415-4737, or by e-mail to [pdr.resource@nrc.gov](mailto:pdr.resource@nrc.gov).

However, if you wish to receive a CD or hardcopy of the DEIS (two volumes), please contact either Ms. Laura Quinn by phone at 301-415-2220 or by e-mail at [Laura.Quinn@nrc.gov](mailto:Laura.Quinn@nrc.gov) <<mailto:Laura.Quinn@nrc.gov>>, or Ms. Stacey Imboden at 301-415-2462, or by e-mail at [Stacey.Imboden@nrc.gov](mailto:Stacey.Imboden@nrc.gov) <<mailto:Stacey.Imboden@nrc.gov>>.

In addition, the Calvert Library Prince Frederick at 850 Costley Way in Prince Frederick, MD, and the Calvert Library Southern Branch at 20 Appeal Lane in Lusby, MD, will have hardbound copies of the DEIS available for public inspection.

The draft EIS is also available for review and inspection (not for distribution) at:

U. S. Army Corps of Engineers, Baltimore District  
Operations Division, Regulatory Branch  
City Crescent Building  
10 South Howard Street  
Baltimore, MD 21201

(Note: Please contact either Mr. Woody Francis, Regulatory Project Manager, by e-mail at [woody.francis@usace.army.mil](mailto:woody.francis@usace.army.mil) or phone number (410) 962-5689, or Ms. Melody Quinn at 410-962-4500 to make arrangements for reviewing the DEIS).

Hard-copies of the DEIS have been mailed to Federal, State, and local agencies; public interest groups; individuals and affected landowners who requested a copy of the DEIS or provided comments during scoping; libraries; newspapers and parties to this proceeding. In addition, hard-copies of the document are also available for reading at public libraries. To reduce printing and mailing costs, the FEIS will be issued in both CD-ROM and hard-copy formats. In a separate mailing, the parties on the current mailing list for the DEIS will be sent a postcard providing an opportunity for them to select which format of the FEIS they wish to receive. The NRC strongly encourages the use of the CD-ROM format in its publication of large documents. If you wish to receive a paper copy of the FEIS instead of CD-ROM, you must return the postcard indicating that choice.

Any interested party may submit comments on the DEIS for consideration by the NRC staff. Comments may be accompanied by additional relevant information or supporting data. This draft report is being issued with a 75-day comment period. The comment period begins on the date that the U.S. Environmental Protection Agency publishes a Notice of Filing in the Federal Register, which was on April 23, 2010. Such notices are published every Friday. The notice will identify the end date of the comment period. Members of the public may submit comments on the DEIS by (1) e-mail, (2) mail, or (3) during the public meeting on the DEIS. Comments submitted via e-mail should be sent to [CalvertCliffsCOLAEIS@nrc.gov](mailto:CalvertCliffsCOLAEIS@nrc.gov). Electronic submissions should be sent no later than the end date of the comment period. Written comments on the DEIS should be mailed to the Chief, Rules and Directives Branch, Division of Administrative Services, Office of Administration, Mailstop TWB-05-B01M, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by fax at 301-492-3446, and should cite the publication date and page number of this Federal Register Notice. Comments submitted in writing or in electronic form will be posted on the NRC website and on the Federal rulemaking website <http://www.regulations.gov>. Because your comments will not be edited to remove any identifying or

contact information, the NRC cautions you against including any information in your submission that you do not want to be publicly disclosed. To be considered, written comments should be postmarked by the end date of the comment period. Any comments of any Federal, State, and local agencies, Indian tribes or other interested persons will be made available for public inspection when received.

**The NRC and the Corps will hold two joint public meeting/public hearings to present an overview of the DEIS and to accept public comments on the document:**

**Date: Tuesday, May 25, 2010**  
**Location: Holiday Inn Select, 155 Holiday Drive,**  
**Solomons, Maryland 20688**

**The first meeting will convene at 1:00 p.m. and will continue until 4:00 p.m. as necessary. The second meeting will convene at 7:00 p.m., with a repeat of the overview portions of the first meeting, and will continue until 10:00 p.m. as necessary. Additionally, the NRC and Corps staff will host informal discussions one (1) hour before the start of each meeting during which members of the public may meet and talk with the NRC and Corps staff members on an informal basis. No formal comments on the DEIS will be accepted during these informal discussions.**

The joint NRC Public Meetings/Corps Public Hearings will be transcribed and will include a presentation of the contents of the DEIS, and the opportunity for interested government agencies, organizations, and individuals to provide comments on the draft report. To be considered, comments must be provided during the transcribed public meeting either orally or in writing. The transcript will be posted on NRC Web site at: <http://www.nrc.gov/reactors/new-reactors/col/calvert-cliffs.html>.

The joint NRC Public Meetings/Corps Public Hearings will provide the opportunity for interested parties to present views, opinions, and information that will be considered by the NRC for purposes of their regulatory jurisdiction, and by the Corps in evaluating the Department of the Army permit application.

Interested groups and individuals are encouraged to attend the public meetings/hearings and to present oral comments on the DEIS. After these comments are reviewed, any significant new issues are investigated, and any required modifications are made to the DEIS, a FEIS will be published and distributed. The FEIS will contain responses to comments that were received timely in response to the DEIS.

Persons may pre-register to attend or present oral comments at the meeting by contacting Ms. Laura Quinn by telephone at 1-800-368-5642, Extension 2220, or by e-mail at [CalvertCliffsCOLAEIS@nrc.gov](mailto:CalvertCliffsCOLAEIS@nrc.gov) no later than May 19, 2010. Members of the public may also register to speak at the meeting within 15 minutes of the start of the meeting. Individual oral comments may be limited by the time available depending on the number of persons who register. Members of the public who have not registered may also have an opportunity to speak, if time permits. Ms. Laura Quinn will need to be contacted no later than May 19, 2010, if special equipment or accommodations are needed to attend or present information at the public meeting, so that the NRC staff can determine whether the request can be accommodated. For further information contact: Ms. Laura Quinn, Environmental Projects Branch 2, U.S. Nuclear Regulatory Commission, Mail Stop T7-E30, Washington, DC 20555-0001.

By Corps' regulation (33 CFR 327.8), the Corps will not provide rebuttal to the public hearing testimony. All oral testimony will be recorded and a transcript prepared. Additional comments concerning the Corps' permit application, described below, may be submitted in written form. All comments received will become part of the official project record. Copies of any written statements expressing concern for impacts to waters of the United States, including jurisdictional wetlands may also be submitted to:

Mr. Woody Francis, Regulatory Project Manager  
U.S. Army Corps of Engineers, Baltimore District  
Attention: CENAB-OP-RMS  
P.O. Box 1715  
Baltimore, Maryland 21203-1715  
[woody.francis@usace.army.mil](mailto:woody.francis@usace.army.mil)  
410-962-5689

**CORPS OF ENGINEERS PERMIT APPLICATION:**

The Baltimore District received an application, as described below, for a Department of the Army Permit pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403) and Section 404 of the Clean Water Act (33 U.S.C. 1344), which was previously advertised by Corps Public Notice on September 3, 2008, <http://www.nab.usace.army.mil/Regulatory/PublicNotice/Calvert/07-08123.pdf> as follows:

APPLICANT: Calvert Cliffs 3 Nuclear Project, LLC  
Mr. Thomas E. Roberts  
1650 Calvert Cliffs Parkway  
Lusby, Maryland 20657

Unistar Nuclear Operating Services, LLC  
Mr. Dimitri Lutchenkov  
750 E. Pratt Street, 14<sup>th</sup> Floor  
Baltimore, Maryland 21202

LOCATION: In the Chesapeake Bay and unnamed tributaries to the Chesapeake Bay, forested non-tidal wetlands, Johns Creek and Goldstein Branch and their unnamed tributaries at Unistar's Calvert Cliffs site near Lusby, Calvert County, Maryland.

WORK: The applicants propose, in accordance with the attached plans, to perform site preparation activities and construct supporting facilities at the site of a proposed nominal 1,710 MW nuclear power generation station (Unit 3).

PURPOSE AND NEED: The basic project purpose for the Unistar project is to generate electricity for additional base load capacity. The overall project purpose is to construct a nuclear power plant facility to provide for additional base load electrical generating capacity to meet the growing demand for electricity in the State of Maryland.

The following work is proposed in tidal areas:

New Sheet Pile, Armor Removal, Armor Installation for Intake at Existing Fore-bay: To construct the new Unit 3 intake by constructing a sheet pile wall extending approximately 180 linear feet from the existing shoreline to the existing baffle wall and extending approximately 90 feet channelward of the approximate mean high water (MHW) shoreline, creating an approximate 9,000 square foot wedged-shaped pool; to emplace approximately 75 linear feet of stone armor protection 205 feet channelward of the proposed wall; to remove approximately 50 feet of existing shoreline armor protection in order to construct the proposed sheet pile wall; to remove approximately 60-feet of armor within the wedged shape pool; and to install a temporary sheet piling wall in uplands and extending out into the wedge-shaped pool approximately 30 feet channelward to facilitate dewatering, installation of the pipe and the

associated trash rack. The area within the wedged shaped pool surrounded by the pipeline sheet piling will be dewatered and dredged by hydraulic or mechanical method to create an approximately 30-foot wide by 30-foot long by 25-foot deep area, resulting in approximately 900 cubic yards of sand and gravel, which will be deposited on site at an existing upland (non-wetland), environmentally controlled area at the Lake Davies lay-down. After dredging, two 60-inch intake pipes with trash racks at the pipe openings, extending approximately 20 feet channelward of the approximate MHW shoreline, to a bottom elevation of -25 feet mean low water, will be installed. After installation of the pipes and associated trash racks, approximately 80 linear feet of shoreline armor protection extending 10 feet channelward of the approximate MHW shoreline will be emplaced within the wedged-shaped area. After this work is completed, the temporary sheet pile wall around the 60-inch intake pipes will be removed, allowing the area to flood and submerge the pipes.

**Discharge Pipe:** A 30-inch high density polyethylene (HDPE) discharge pipe with a three single port diffuser outfall structure approximately 550 linear feet channelward of the approximate MHW shoreline and depressed 4 feet below the bay bottom will be installed using hydraulic or mechanical dredging methods. The discharge point will be elevated 3 feet above the bay bottom. This installation will temporarily impact approximately 38,500 square feet, approximately 0.9 acres, along 550 linear feet of the bay bottom. Additionally, a 20-foot by 40-foot riprap scour pad will be installed at the diffuser outfall permanently impacting 800 square feet, 0.02 acres. Approximately 7,000 cubic yards of existing material dredged for the pipe installation will be reused as trench fill (approximately 5,800 cubic yards) with the remainder (approximately 1,200 cubic yards) being deposited on site at an existing upland (non-wetland), environmentally controlled area at the Lake Davies lay-down. The pipe will be installed with a minimum of 4 feet of cover to protect it from storms and snagging by small boat anchors. Turbidity curtains are anticipated to be used during the work to contain suspended sediments.

**Restoration of Barge Unloading Facility including Maintenance and New Dredging:** To facilitate receipt of equipment and materials for the construction of the plant, two existing pile cap crane supports and one mooring bollard will be removed. The existing barge slip will be restored and extended to re-establish use of an approximately 1,500-foot by 130-foot (average width), 195,000 square foot area to a bottom elevation of -16 feet mean low water, requiring approximately 50,000 cubic yards of hydraulic or mechanical dredging. Approximately 1,065-feet of the dredging is considered maintenance, and the remaining 435-feet is an extension beyond the original dredging limits and is required to reach the bottom elevation of -16 feet mean low water. Of the approximately 50,000 cubic yards of dredging required, 45,000 cubic yards are considered maintenance dredging, and 5,000 cubic yards are considered new dredging. Ten-year maintenance dredging is proposed.

The dredge material will be characterized prior to use. The dredge material removed from the barge slip will either be used during the plant construction as sand bedding for underground pipe installation or deposited on site at an existing upland (non-wetland) environmentally controlled disposal area. Suspended sediments resulting from this work are anticipated to be contained by a floating turbidity curtain.

As a part of the restoration, a new sheet pile wall will be installed along the shore line in front of the existing bulkhead which was built as a part of the original design. The bulkhead will consist of a new sheet pile wall driven immediately in front of the existing remaining bulkhead. This bulkhead will be approximately 90 feet in length starting from the barge slip extending south to an existing outfall culvert. On the landward side of the new sheet pile bulkhead, a concrete apron will be placed along with a gravel apron to allow equipment to be off-loaded from barges with wheeled mounted transporters.

Near shore maintenance dredging will require removal of silt/sediment which has mounded up over the past 30 years and will include restoration of an existing culvert outfall. Due to silt/sediment build up over



the years, the discharge from this outfall meanders in a north-south direction prior to discharging into the barge slip area. The restoration activities in this area will include the emplacement of a 40-foot by 40-foot by 2-foot deep riprap apron extending approximately 40 feet channelward of the approximate MHW shoreline directly in front the existing outfall, allowing the discharge to flow directly in the bay as originally designed. The existing water depths range from approximately 0.00 feet to -16.0 mean low water within the proposed work area.

Unit 3 Fish Return: A fish return system will be provided as a part of the intake design. To construct the proposed fish return outfall, an 18-inch diameter HDPE pipe will be installed in a mechanically excavated trench. The pipe will be installed 4.0 feet below the bay bottom and will emerge from the bay bottom 40 feet channelward of the approximate MHW shoreline. The outfall location will be protected with a 10-foot by 10-foot riprap apron extending approximately 48 feet channelward of the approximate MHW shoreline. To install the pipe, approximately 40 linear feet of the existing shoreline revetment will be removed, and approximately 500 cubic yards of material will be dredged within the work area. The dredged material will be returned to the trench after the pipe is placed, and the existing shoreline revetment will be restored to its original design after pipe installation. Turbidity curtains are anticipated during the work to contain suspended sediments.

The following work is proposed in non-tidal areas:

Power Block: To clear and grade for construction of a power block, including reactor, turbine and associated structures, permanently impacting 2,470 square feet (0.06 acres) along 617 linear feet of stream bed.

Lay-down Areas: To clear and grade for construction of five construction lay-down areas in various locations, permanently impacting 95,832 square feet (2.20 acres) of non-tidal forested wetlands; 52,708 square feet (1.21 acres) of emergent wetlands; 114,563 square feet (2.63 acres) of open water; and 1,535 square feet (0.04 acres) along 384 linear feet of stream bed.

Cooling Tower: To clear and grade for construction of a cooling tower, permanently impacting 32,670 square feet (0.75 acres) of non-tidal forested wetlands and 5,780 square feet (0.13 acres) along 1,445 linear feet of stream bed.

Switchyard: To clear and grade for construction of a switchyard, permanently impacting 179,903 square feet (4.13 acres) of non-tidal forested wetlands and 16,710 square feet (0.38 acres) along 4,178 linear feet of stream bed.

Construction Access Road: To clear and grade for construction of the Unit 3 construction access road which will require three separate road crossings: 1) to construct 200 linear feet of 30-inch diameter reinforced concrete pipe (RCP) and emplace a 15-foot by 15-foot riprap scour pad; 2) to construct 100 linear feet of 36-inch diameter RCP and emplace a 15-foot by 15-foot riprap scour pad; and 3) to construct 520 linear feet of two 54-inch diameter RCP and emplace a 40-foot by 40-foot riprap scour pad. The invert of each pipe will be depressed to match the slope and invert of the stream or wetland being crossed. This road work will permanently impact 31,363 square feet (0.72-acre) area of non-tidal forested wetlands and 4,336 square feet (0.10 acres) along 1,084 linear feet of stream bed.

Heavy Haul Road: To clear and grade for construction of a heavy haul road leading from the barge slip to the construction site, permanently impacting 2,570 square feet (0.06 acres) along 642 linear feet of stream bed.



The total proposed project would permanently impact 343,253 square feet (7.88 acres) of forested non-tidal wetlands; 52,707 square feet (1.21 acres) of emergent non-tidal wetlands; 114,563 square feet (2.63 acres) of non-tidal open water; 33,400 square feet (0.77 acres) along 8,350 linear feet stream bed portions; and 248,000 square feet (5.7 acres) of tidal open waters (approximately 138,500 square feet (3.2 acres) of the tidal open water impacts are maintenance dredging; approximately 109,000 square feet (2.5 acres) is new dredging; approximately 52,500 square feet (1.2 acres) of the new dredging will be backfilled). This work includes a total of 3,485 square feet (0.08-acre area) of isolated forested wetland impact that is not subject to Corps jurisdiction.

Site layout for this project was based upon an extensive site layout study to determine a layout that would most practicably avoid and minimize impacts to jurisdictional waters and wetlands. Efforts were made to avoid, to the extent possible, the long and short-term adverse impacts associated with the destruction or modification of wetlands and streams and to avoid direct or indirect support of new construction in wetlands and streams wherever there was a practicable alternative. The proposed impacts were further reduced through relocation of or reconfiguration of facility components. Project siting was limited by design constraints, which allowed integration with the existing Units 1 and 2 and exclusion zones.

The applicant proposes on-site and in-kind wetland enhancement and creation methods and stream restoration and enhancement methods to mitigate for the proposed impacts to Corps jurisdictional waters and wetlands. This work includes the enhancement of one manmade, abandoned sediment basin within the Lake Davies Disposal Area; the enhancement of portions of Johns Creek; the creation of forested and herbaceous wetland habitat within the largest manmade, abandoned, sediment basin on the Lake Davies disposal area; creation of forested wetland habitat within the Camp Conoy area; stream restoration; and stream enhancement. The wetland mitigation proposes to create an approximate 0.9 acres area of open water pond habitat; 1.3 acres of freshwater marsh; 7.2 acres of bottomland hardwood forest; eradication of invasive vegetation and enhancement of approximately 2.4 acres of bottomland hardwood forest; enhancement of wetlands abutting Johns Creek by eradication of invasive vegetation and enhancement of approximately 15.7 acres of bottomland hardwood forest; and creation of approximately 4.6 acres of forested wetland habitat. The stream mitigation proposes to restore stream functions along approximately 6,283 linear feet of stream portions by employing treatments such as in-stream habitat structures (cover logs, lateral/longitudinal diversity and root wads); bank stabilization (vegetative and bioengineering solutions); and riparian wetland enhancements (hydraulic and vegetative). The stream mitigation also proposes to enhance a total of approximately 4,146 linear feet of specific stream portions by improving aquatic habitat, constructing bank stabilization and planting native riparian vegetation. These projects will be monitored for a 5-year period and shall be protected in perpetuity through establishment of a legally binding protection mechanism.

The Magnuson-Stevens Fishery Conservation and Management Act (MSFCMA), as amended by the Sustainable Fisheries Act of 1996 (Public Law 04-267), requires all Federal agencies to consult with the National Marine Fisheries Service (NMFS) on all actions, or proposed actions, permitted, funded, or undertaken by the agency that may adversely effect Essential Fish Habitat (EFH). The project has the potential to adversely affect EFH or the species of concern by loss of spawning, nursery, forage, and/or shelter habitat. The project area is not a Habitat Area of Particular Concern (HAPC). The Baltimore District has determined that the adverse effects of this project would be more than minimal, although not substantial. The DEIS addresses consultation for EFH. No mitigative measures are recommended to minimize adverse effects on EFH at this time. This determination may be modified if additional information indicates otherwise and would change the preliminary determination.

The Corps is soliciting comments from the public; federal, state, and local agencies and officials; Indian tribes; and other interested parties in order to consider and evaluate the impacts of the proposed project. Any comments received will be considered by the Corps to determine whether to issue or deny a permit

for the proposal. To make this decision, the Corps uses comments received to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above.

The evaluation of the impact of the work described above on the public interest will also include application, by the Corps, of the Guidelines [Section 404(b)(1)] promulgated by the Administrator, EPA, under authority of Section 404 of the CWA. Any person who has an interest which may be adversely affected by the issuance of this permit may request a public hearing. The request, which must be in writing, must be received by the District Engineer, US Army Corps of Engineers, Baltimore District, PO Box 1715, Baltimore, Maryland 21203 -1715, within the comment period as specified as above to receive consideration. Also, it must clearly state forth the interest which may be adversely affected by this activity in the manner in which the interest may be adversely affected.

For Corps permitting purposes, the applicant is required to obtain a Water Quality Certification in accordance with Section 401 of the CWA from the Maryland Department of the Environment (MDE). The Corps hereby requests that MDE review the proposed discharges for compliance with the applicable water quality standards. The Section 401 certifying agency has a statutory limit of one year in which to make their decision. Any written comments concerning the work described above which relate to water quality certification must be received by the Standards and Certification Division, Maryland Department of the Environment, Montgomery Park Business Center, 1800 Washington Boulevard, Suite 430, Baltimore, Maryland 21230-1708 within the comment period as specified above to receive consideration. Written comments concerning the work described above related to the factors listed above or other pertinent factors must be received by the District Engineer, US Army Corps of Engineers, Baltimore District, PO J30x 1715, Baltimore, Maryland 21230-1715, within the comment period as specified above to receive consideration. Additionally, for Corps permitting purposes, the applicant is required to obtain Coastal Zone Management consistency concurrence from the MDE, as well.

A preliminary review of this application indicates that the proposed work may affect listed species or their critical habitat pursuant to Section 7 of the Endangered Species Act as amended. The DEIS addresses consultation for Federally listed species.

Review of the latest published version of the National Register of Historic Places indicates that registered properties listed as eligible for inclusion therein are located at the site of the proposed work. Currently known and unknown archeological, scientific, prehistoric, or historical data may be lost or destroyed by the work to be accomplished under the requested permit. The DEIS addresses consultation for cultural resources.

The applicant must obtain any State or local government permits which may be required.

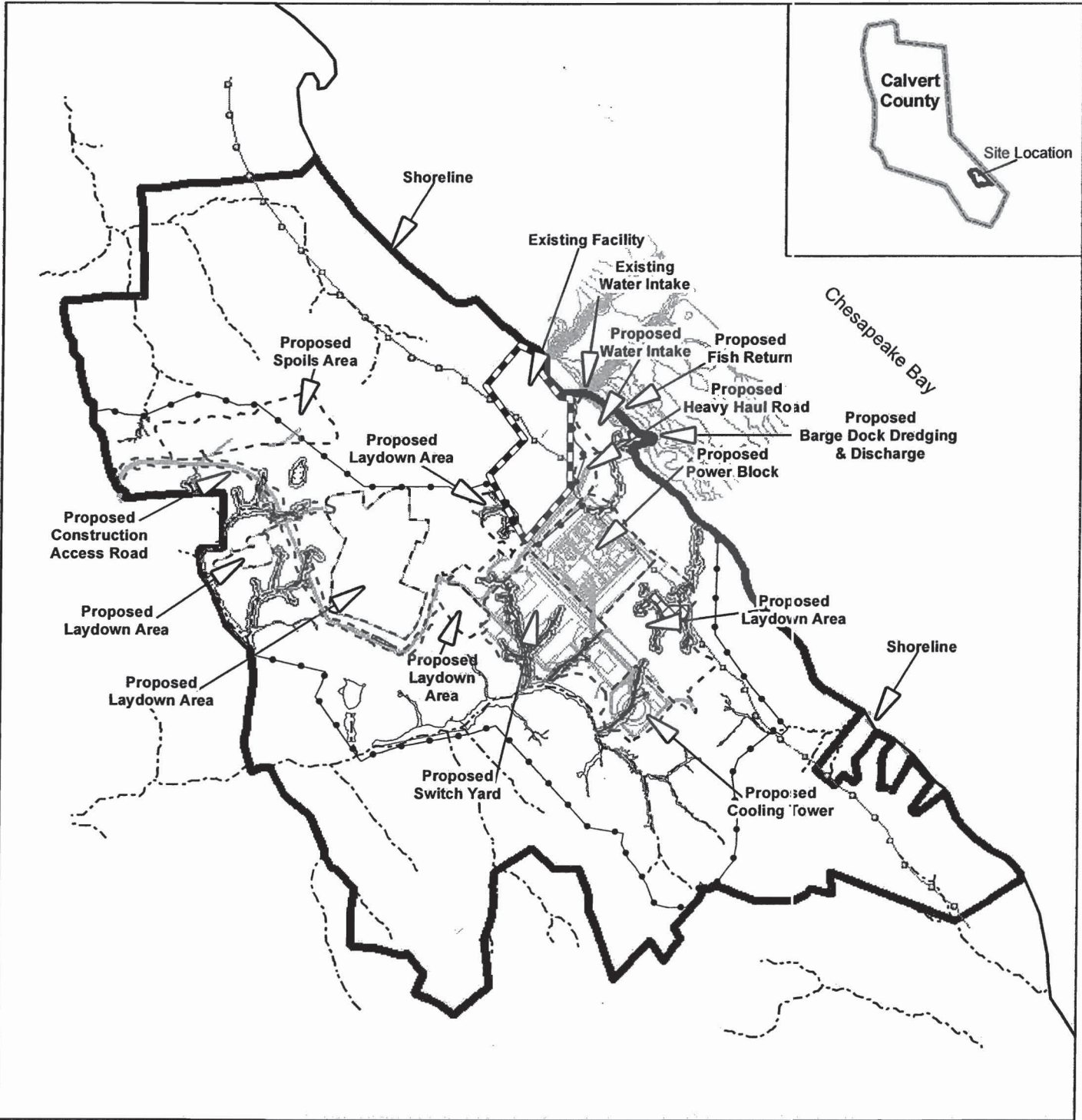
The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for the protection and utilization of important resources. The benefits, which would be reasonably expected to accrue from the proposed project, must be balanced against its reasonably foreseeable detriments. All factors, which may be relevant to the proposed work, will be considered, including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shore erosion and accretion, recreation, water supply, and conservation, water quality, energy needs, safety, food and fiber production, consideration of property ownership, and in general, the needs and welfare of the people.

It is requested that you communicate the foregoing information concerning the proposed work to any persons known by you to be interested and not being known to this office, who did not receive a copy of this notice.



If you have any questions concerning this public notice, the proposed work, or the Corps permit process, please contact Mr. Woody Francis, Regulatory Project Manager, at [woody.francis@usace.army.mil](mailto:woody.francis@usace.army.mil) or 410-962-5689.



Kathy B Anderson  
Chief, Maryland Section Southern



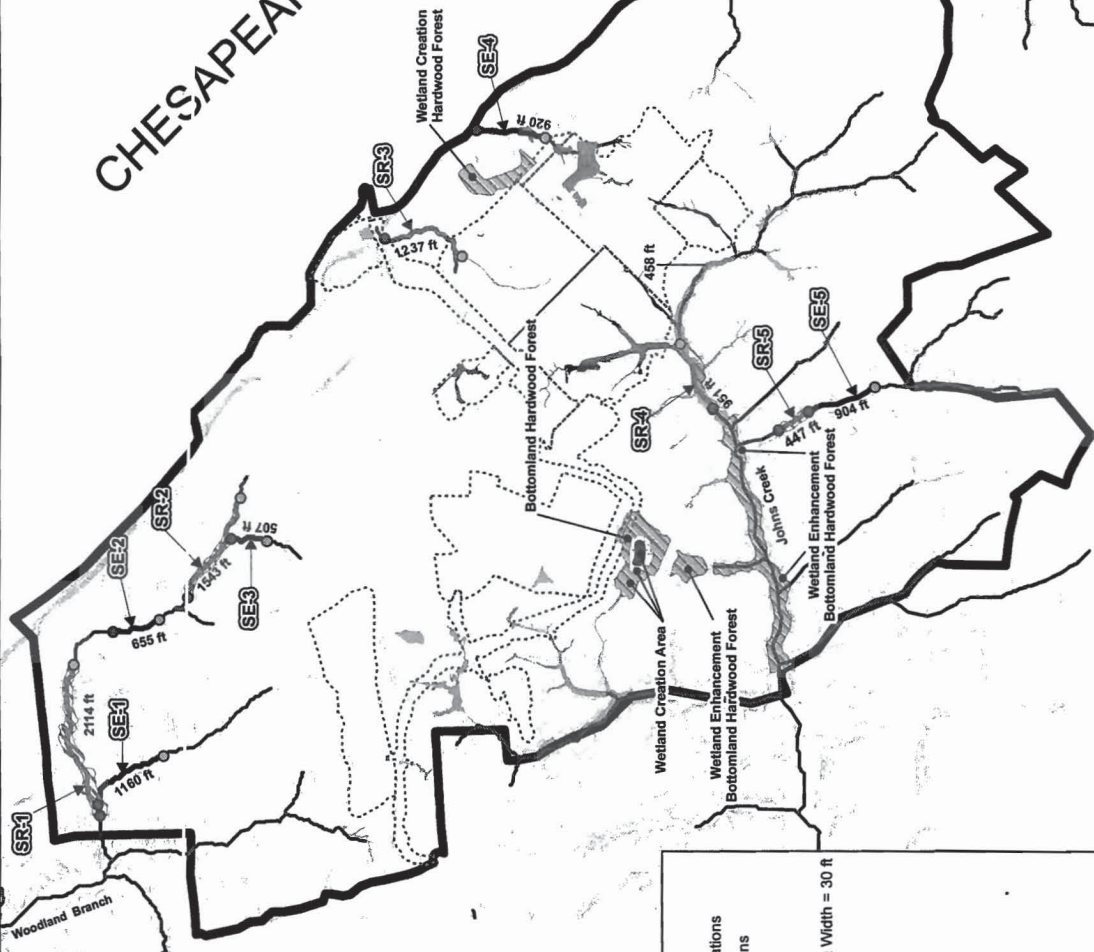
Map Document: (G:\Calvert Cliffs\rozen\_5\_1\_08\404\Final Figures\Figure3\_SITE\_PLAN.mxd) 6/19/2008 - 8:25:28 AM

PURPOSE: PLANT EXPANSION	<b>CONCEPT SITE PLAN</b>	<b>CALVERT CLIFFS NUCLEAR POWER PLANT</b>
DATUM: (NGVD 29)		IN: PATUXENT / WEST CHESAPEAKE BAY
PROJECT LATITUDE/LONGITUDE: 38.424133 -76.441598	SCALE IN FEET 	COUNTY OF: CALVERT STATE: MD
		APPLICATION BY: CALVERT CLIFFS 3 NUCLEAR PROJECT, LLC AND UNISTAR NUCLEAR OPERATING SERVICES, LLC DATE: 5/19/08 REV1 7/14/08



2012

CHESAPEAKE BAY



NOTES:  
 - SR = Stream Restoration  
 - SE = Stream Enhancement



Legend	
●	Downstream Restoration/Enhancement Extent Locations
○	Upstream Restoration/Enhancement Extent Locations
▨	Potential Ecological Up-Lift Area
—	Stream
—	Enhancement Credit / Potential Enhancement Area Width = 30 ft
—	Restoration Credit
—	Reference Reach
▨	Development Envelope
▨	Mitigation Wetland Area
▨	Open Water
▨	Marsh
▭	Property Boundary
▨	Area I Isolated Wetland
▨	Area II Jurisdictional Wetland
▨	Area III Isolated Area
▨	Area IV Jurisdictional Wetland
▨	Area V Jurisdictional Wetland
▨	Area VI Jurisdictional Wetland
▨	Area VII Jurisdictional Wetland
▨	Area VIII Jurisdictional Wetland
▨	Area IX Jurisdictional Wetland
▨	Wetlands

**Calvert Cliffs 3 Nuclear Project, LLC and UniStar Nuclear Operating Services, LLC**  
 Calvert Cliffs Nuclear Power Plant  
 Sites and Quantities of Mitigation Areas

Prepared by Date: PAC / 04-22-08  
 Checked by Date: TRP / 04-22-08  
 Project Number: 8093-07-8665



Figure Number: 9 rev. 2