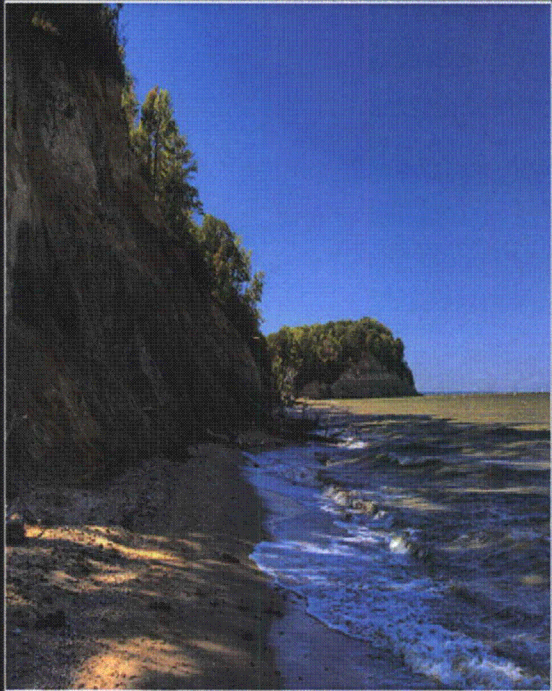




Discussion of Tidal Impacts and Mitigation for CCNPP Unit 3 & Conceptual Phase II Nontidal Wetland and Stream Mitigation Plan

Prepared for: UniStar Nuclear Energy



Prepared by:



EA Engineering, Science, & Technology, Inc.

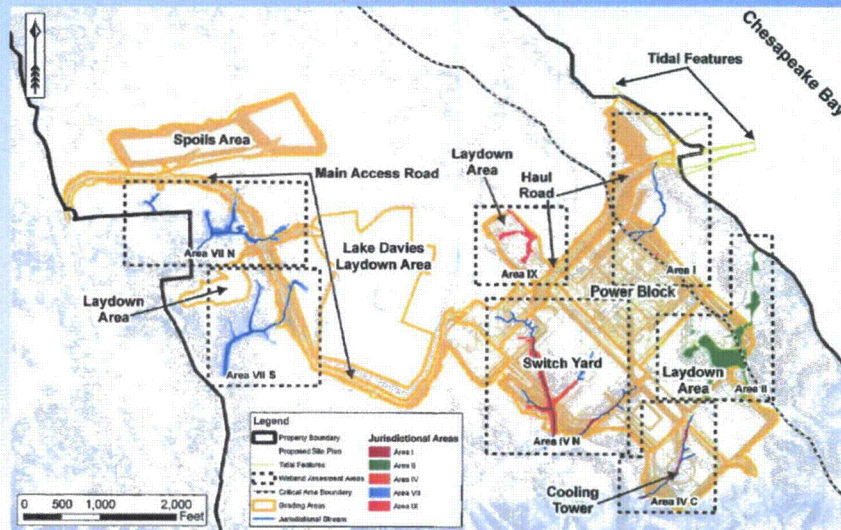
May 19, 2010

Presentation Overview

1

- Review of Tidal Wetland Impacts
- Proposed Tidal Mitigation
- Tidal Dredging
- Additional Discussion - Nontidal Impacts and Mitigation
- Questions and Comments

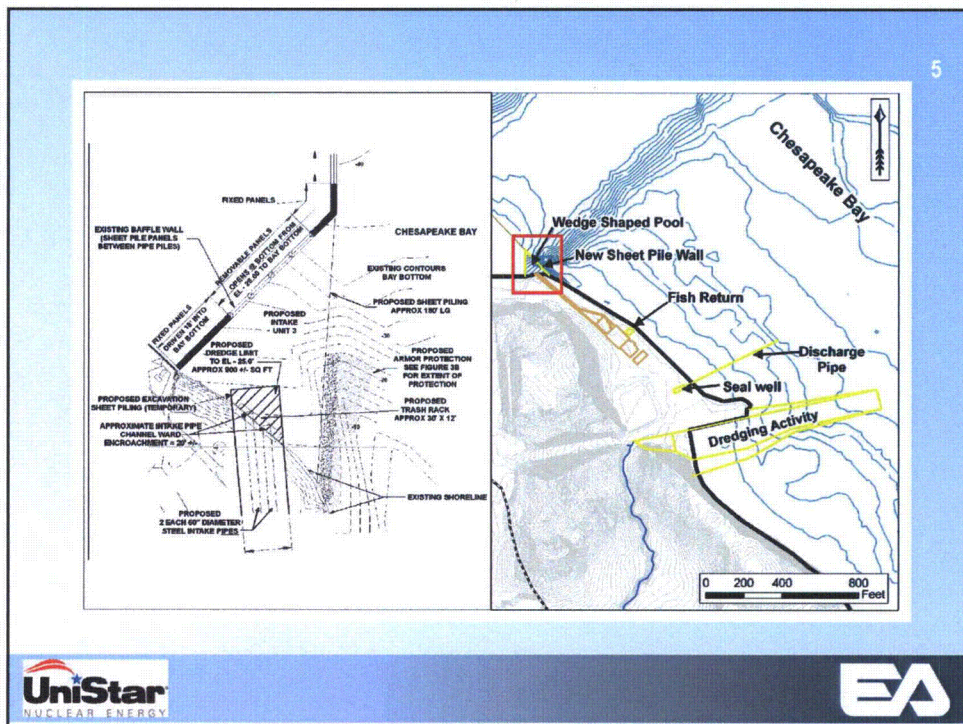
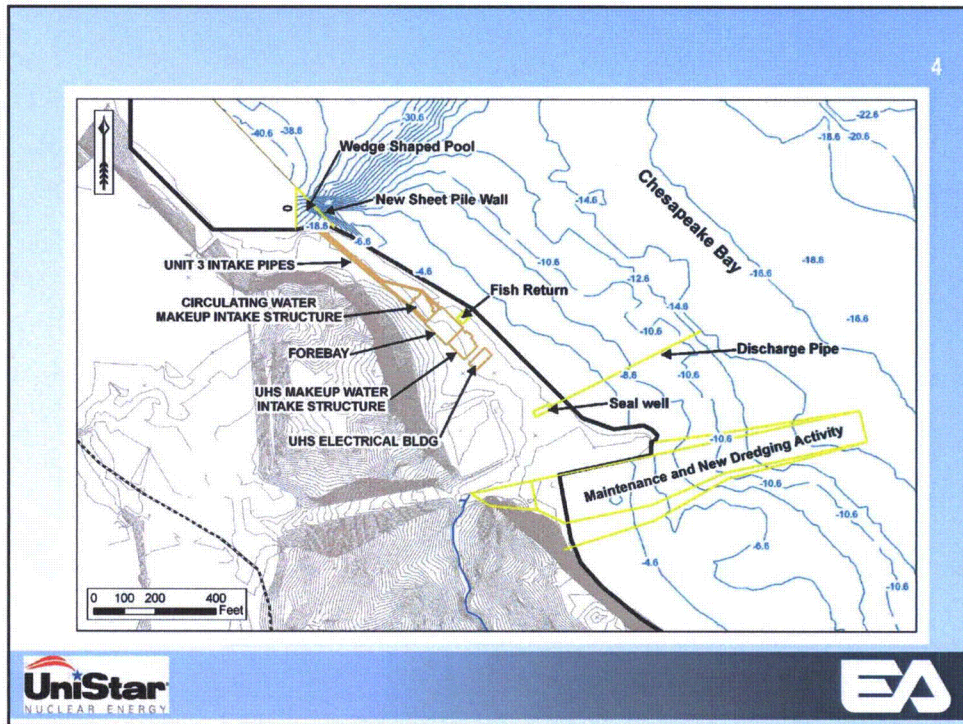
Overview of Impact Areas



Work Requiring Tidal Impacts

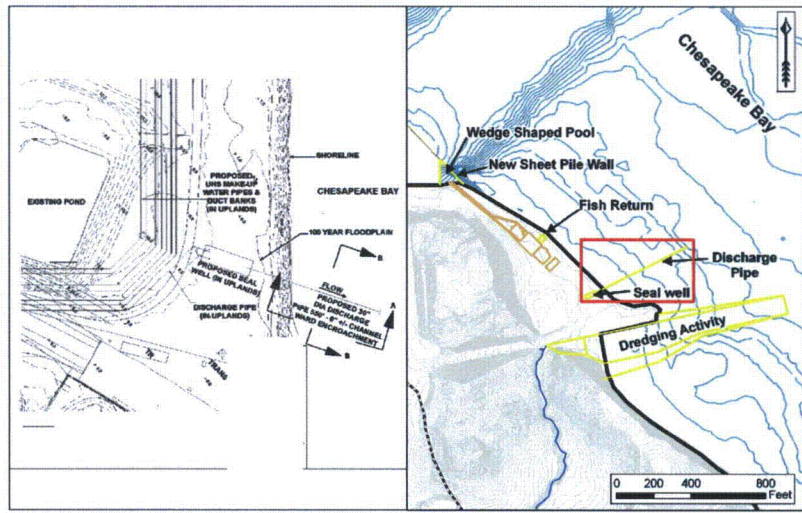
- **248,000 sq ft (5.7 ac.) of Tidal Open Water Impacts**
- **Work associated with Tidal Impacts**
 - New Unit 3 intake at existing forebay
 - Discharge pipe
 - Fish Return
 - Barge Restoration/Dredging
 - 3.2 ac. = maintenance dredging
 - 2.5 ac. = new dredging area w/ 1.2 ac. Backfilled



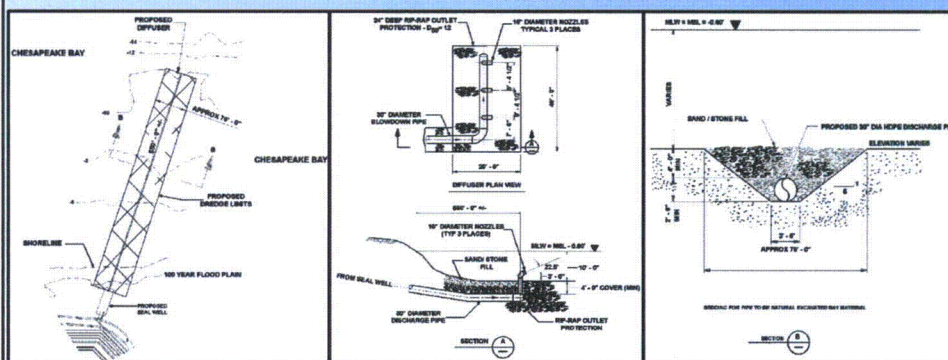


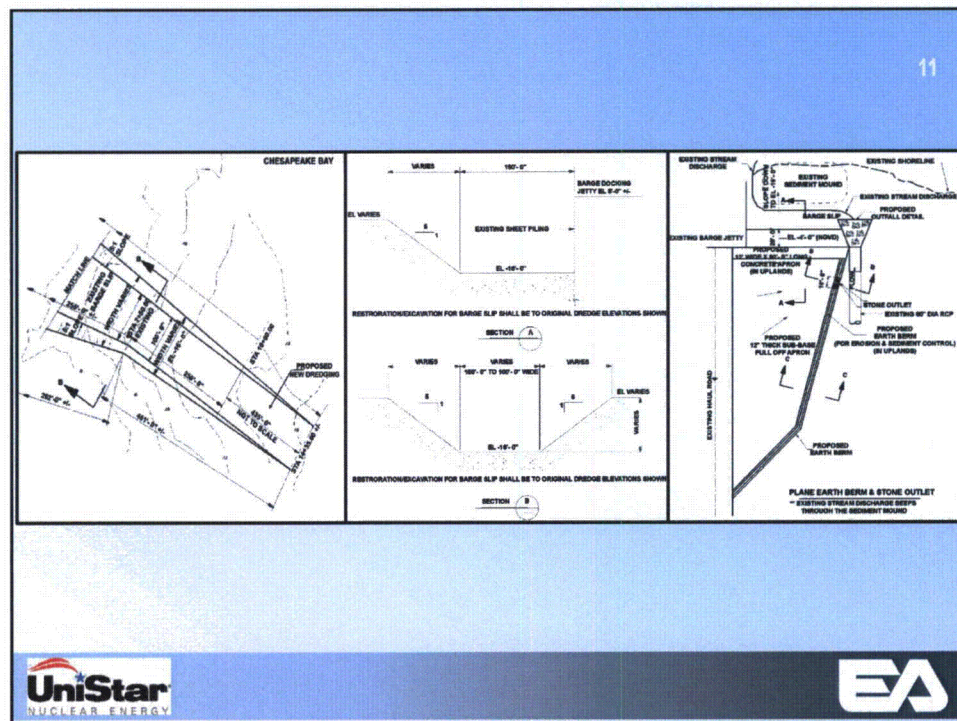
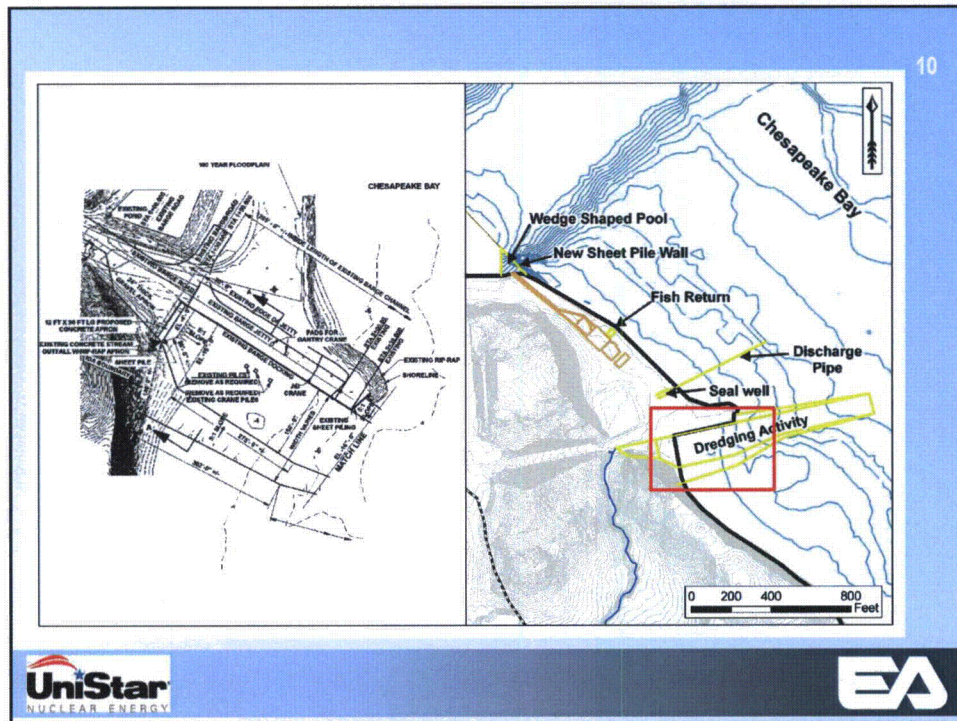


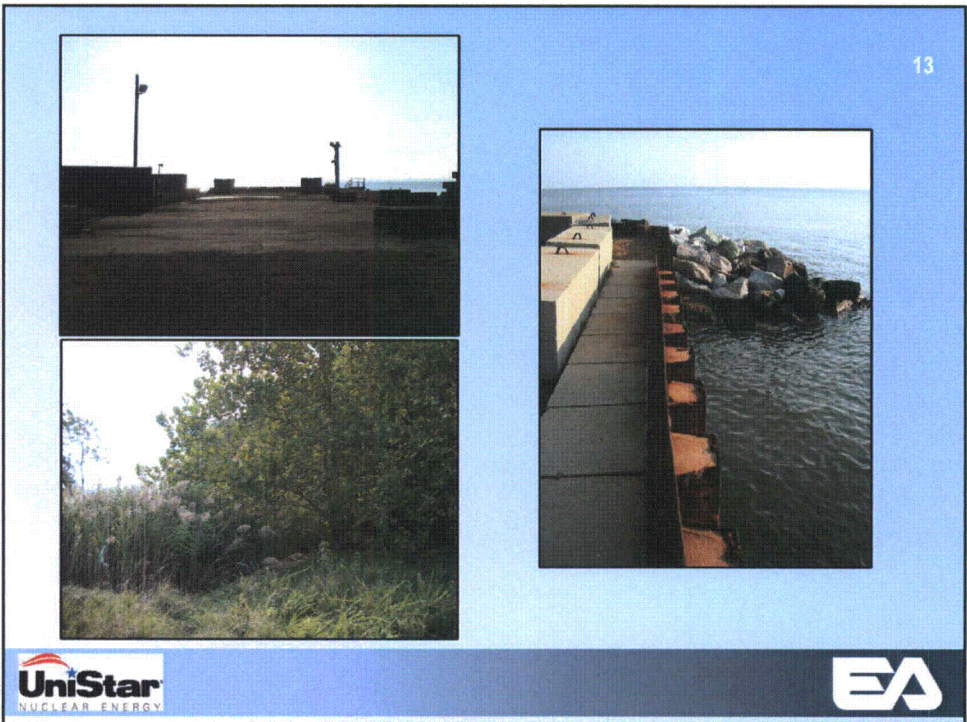
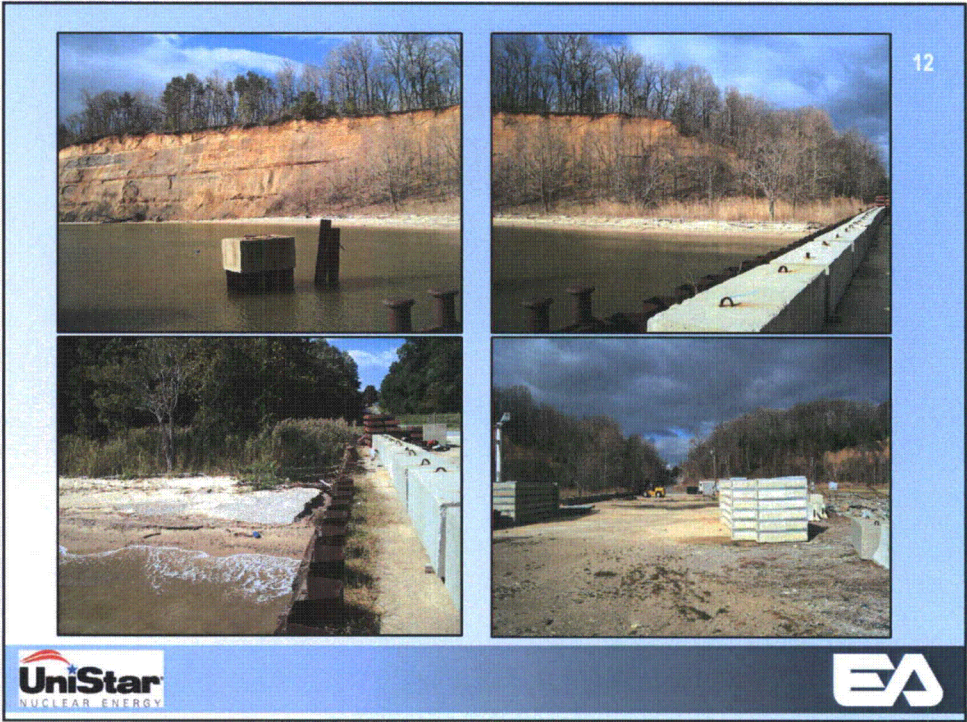
8



9







CPCN Conditions

16

- **Condition 53**

- UniStar shall pay for cost of mapping substrate, as well as the cost of moving, creating, or restoring oyster bar habitat.
- Capped amount of \$45,000 per acre
- Completed within 2 years of completion of tidal impacts

- **Condition 44**

- Appropriate time of year restrictions for dredging will apply in an effort to minimize impacts to the natural oyster bar habitat



Dredge Material Placement

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- **Currently proposed to be placed at an on-site upland location**

- No discharge to nontidal wetlands or waterways proposed

- **Possible alternatives to on-site placement**



Additional Discussion of Nontidal Mitigation?

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Questions?

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NUCLEAR ENERGY

EA

Joint Evaluation

Date: 5/19/10

Project Name: Calvert Cliffs 3

Please "✓" next to your name or sign in if your name is not listed.

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Joint Evaluation

Date: 5/19/10

Project Name: Calvert Cliffs 3

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