## CCNPP3COLA PEmails

**From:** Anderson, Kathy NAB [Kathy.Anderson@usace.army.mil]
**Sent:** Friday, April 15, 2011 10:58 AM
**To:** Quinn, Laura; Parkhurst, Mary Ann
**Subject:** FW: Area of Bay Bottom Disturbed (UNCLASSIFIED)
**Attachments:** CCNPP Unit 3 Bay Disturbance.xls

**Importance:** High

**Follow Up Flag:** Follow up
**Flag Status:** Completed

Classification: UNCLASSIFIED
Caveats: NONE

For our meeting today.

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

http://www.nab.usace.army.mil/Regulatory/index.html
http://www.facebook.com/USACEBaltimore

-----Original Message-----
From: Lutchenkov, Dimitri [mailto:dimitri.lutchenkov@unistarnuclear.com]
Sent: Friday, April 15, 2011 10:33 AM
To: Anderson, Kathy NAB
Cc: 'Burkman, Jim'
Subject: FW: Area of Bay Bottom Disturbed
Importance: High

Kathy I have reviewed the issue and my conclusion is that the NRC is looking at "dredging" and impact to "Tidal Open Water/Section 10" as on and the same number This is correct except when it comes to the wedge shaped pool. Only a small portion of the pool is being dredged (900 ft^2) but the whole pool along with the new armor protection is impacting the Tidal Open Waters. As such the 900 that the NRC is looking at 9 a dredge value) should be the delta or 11900 ft^2.

EIS

W-S Pool

900

11900

Fish Return

2600

2600

Discharge

38500

38500

Barge Dock

195000

195000

Total Dredging

237000

248000

Regards,

Dimitri Lutchenkov
UniStar Nuclear Energy
410-470-5524 | m 410-370-9090

From: Parkhurst, Mary Ann [mailto:maryann.parkhurst@pnl.gov]
Sent: Thursday, April 14, 2011 5:58 PM
To: Lutchenkov, Dimitri; Quinn, Laura; kathy.anderson@usace.army.mil
Cc: woody.francis@usace.army.mil; Chapman, Elaine G; Kropp, Roy K
Subject: Area of Bay Bottom Disturbed

Dimitri,

I am writing on behalf of Laura Quinn, Kathy Anderson, and the PNNL team to facilitate closure on some tidal impacted areas that are part of the Unit 3 work description. We are trying to resolve a few of the dredging and armoring numbers to meet the totals that have been provided previously and recently updated, and we need your assistance to understand what is included in these totals. We are asking that the numbers be explained, not

recalculated. Specifically,

· The Corps Work Description and the DEIS list the total area of Bay bottom disturbed as 248,000 sq ft (5.7 ac). This number (5.7 ac) was provided by UniStar in a correction of the 2008 Work Description (ML0913503280; letter from Jim Burkman to Ed Miller 9-22-2008). That work description attributes 138,500 sq ft to maintenance dredging and 109,000 sq ft to new dredging (as does the version in the Corps 14 April 11 work description). The total of these two numbers is 247,500 sq ft. What is the source of the remaining 500 sq ft?

· We also have not been able to duplicate this number (248,000 sq ft) as it relates to recent changes in disturbance areas. In particular, we would like to know the basis of the 109,000 sq ft that is called "new dredging." (See request for itemization below.)

· The work description implies 248,000 sq ft of dredging impacts but does not call out armoring area in the total tidal open water impacts. Please identify the area disturbed by armoring. (See request for itemization below.)

· UniStar has provided descriptions of areas impacted that in at least one case, differs from the math. In your email of 14 APR 11, you list the armor at the discharge as 400 sq ft (you changed the area of the discharge from 38,500 sq ft to 38,900 sq ft and attributed that to armoring), but the description of the change in the area is 20 ft by 40 ft, which we assume should be 800 sq ft (for a total of 39,300 sq ft). Please verify the actual square footage.

An Excel file with the square footage from the EIS, the Corps' latest work description, and UniStar numbers is attached and adds up the various components. At the moment, all totals fall short of the 248,000 sq ft. In response to the questions above and in this file, please provide the breakdown of the square footage of the area dredged for the

1. Wedge-shaped pool

2. Fish return

3. Discharge pipe

4. Barge facility

5. Total area dredged; total maintenance dredging, total new dredging, and amount of dredging backfilled

Please also provide the breakdown of the square footage of the area armored for the

1. Wedge-shaped pool
2. Fish return
3. Discharge pipe
4. Barge facility
5. Total area armored
6. Total Area of Bay Bottom Disturbed

If the total disturbance does not equal the total dredged plus the total armored, please account for the difference.

Thank you,

Mary Ann Parkhurst

PNNL Team Leader

Radiological Science & Engineering Group

509-375-6893

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Classification: UNCLASSIFIED
Caveats: NONE

**Hearing Identifier:** CalvertCliffs_Unit3Cola_Public_EX
**Email Number:** 1709

**Mail Envelope Properties** (92390DD291B2BB4298B1C7BBA081AA674F2C2A)

**Subject:** FW: Area of Bay Bottom Disturbed (UNCLASSIFIED)
**Sent Date:** 4/15/2011 10:57:57 AM
**Received Date:** 4/15/2011 10:58:26 AM
**From:** Anderson, Kathy NAB

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

**Recipients:**
"Quinn, Laura" <Laura.Quinn@nrc.gov>
Tracking Status: None
"Parkhurst, Mary Ann" <maryann.parkhurst@pnl.gov>
Tracking Status: None

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

| Files | Size | Date & Time |
|---|---|---|
| MESSAGE | 5258 | 4/15/2011 10:58:26 AM |
| CCNPP Unit 3 Bay Disturbance.xls | 26688 | |

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

Total disturbance given as 248,000 sq ft

| | | EIS | USACE | UniStar (in |
|---|---|---|---|---|
| **Dredging** | W-S Pool | 900 | 900 | 1200 |
| | Fish Return | 2600 | 1400 | 1400 |
| | Discharge | 38500 | 38500 | 38500 |
| | Barge Dock | 195000 | 195000 | 195000 |
| | Total Dredging | 237000 | 235800 | 236100 |
| **Armoring** | W-S Pool/Baffle | 4650 | 4650 | 4650 |
| | Fish Return | 100 | 100 | 75 |
| | Discharge | 800 | 800 | 400 |
| | Barge Dock | 1600 | 1600 | 1600 |
| | Tot Armor | 7150 | 7150 | 6725 |
| | Total Disturbance | 244150 | 242950 | 242825 |

cluding numbers from 4/14 emails)