

## CCNPP3COLA PEmails

---

**From:** Anderson, Kathy NAB [Kathy.Anderson@usace.army.mil]  
**Sent:** Thursday, April 07, 2011 9:09 AM  
**To:** Lutchenkov, Dimitri  
**Cc:** Burkman, Jim; Francis, Woody NAB; Quinn, Laura; Parkhurst, Mary Ann  
**Subject:** RE: Mitigation Table (UNCLASSIFIED)

Classification: UNCLASSIFIED  
Caveats: NONE

Thanks. I have it. The asterisks refer to the notations at the bottom of the e-mail. I think we can capture this in the text of the summary. We'll remove the asterisks from the tables.

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: Thursday, April 07, 2011 4:51 AM  
To: Anderson, Kathy NAB  
Cc: 'Burkman, Jim'; Francis, Woody NAB  
Subject: RE: Mitigation Table (UNCLASSIFIED)

The asterisks you are referring to appears to have been introduced by Woody Francis in one of the editing turnarounds associated with this table (see e-mail below).

From: Francis, Woody NAB [mailto:WOODY.FRANCIS@usace.army.mil]  
Sent: Friday, January 28, 2011 11:21 AM  
To: Burkman, Jim  
Cc: Morris, James; Kelly Neff  
Subject: Non Tidal wetlands and stream Mitigation summary tables for CC3  
(UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

All: please see my effort at what I'd like to see in the FEIS as supplemental to what was provided by applicant by email 1 Dec 2010, attached. You will see that I have captured things somewhat differently and am using term surplus rather than credits. I have also noted that the open water losses are being mitigated as forested losses and have added in the emergent and forested surpluses(credits) to show how they were captured. I am hoping that what I have can stand on its own as a supplement to what we have already received. While I have made a distinction in using surplus not credits, we recognize that more mitigation is being proposed than required. I would also use my summary in our permit packet. I do not see my summaries being in

contradiction, just how the Corps has captured it.

Let me know if stomach distress hits...not my intent, but be happy to discuss or review any thoughts in reply.

woody

Proposed Wetlands & Waters Impact Totals

(type/acres)

Required Mitigation Ratio/Type

Required Wetland & Waters Mitigation

(type/acres)

Proposed Wetland / Waters Mitigation Totals (type / acres)\*

Surplus Wetland / Waters Mitigation Totals (acres) After Surplus Factored In

Forested / 7.88

1:2 / Forested Creation

Forested / 15.76 Acres

Forested Wetland Creation / 12.26 Acres\*

(3.5 Acres Forested Wetland Creation - Deficit)

4.64 Acres Forested Wetlands Enhancement (surplus) minus 3.5 Acres of Required Created Forested Wetlands (deficit) = 1.14\*\* Acre Surplus of Forested Wetlands Enhancement

\*\*\*\*Note: 2.63 Acres of Open Water Impacts are being mitigated as forested mitigation and are included in the forested wetland creation and enhancement totals

4.64 Acres Forested Wetland Enhancement @ 1:4 Ratio = 18.54 Acres\*

(4.64 Acres Forested Wetland Enhancement -Surplus mitigation for forested wetland impacts)

Emergent / 1.21

1:1 / Emergent Creation

Emergent / 1.21

Emergent Wetland Creation / 1.61Acres\*

(.40 Acre Emergent Wetland Creation Surplus )

1.61 Acres Emergent Wetlands Created minus 1.21 Acres of Required Emergent Wetland Creation = 0.40\*\*Acre Surplus of Emergent Wetland Creation

0.27\*\* Acre Surplus Emergent Wetland Enhancement

0.40 + 0.27 = 0.67 \*\* Acre Surplus Emergent Wetland Creation/ Emergent Wetland Enhancement

0.27 Acres Emergent Wetland Enhancement @ 1:4 Ratio = 1.08 Acres\*

(0.27 Acres Emergent Wetland Enhancement Surplus

( mitigation for emergent wetland impacts)

Open Water / 2.63

0:1 / Open Water Creation

Open Water / 2.63

0.90 Acres Open Water Creation

@ 0:1 Ratio = 0.90 Acres\*

2.63 Acres Open Water Creation required minus 0.90 created = 1.73 Acres Open Water (Deficit)

1.73 Acre Deficit of Open Water Creation \*\*\*

Total = 11.72 acres (all types)

Total = 19.60 acres (all types)

\*Total = 34.39 acres (all types-in bold)

34.39 minus 19.60 = 14.79 acres Total Proposed Wetland / Waters Mitigation Surplus

Forested Wetland Creation Surplus (1.14 acres) plus Emergent Wetland Enhancement Surplus (.67 acres) = 1.81 Acres\*\* Total Surpluses (Forested Wetland Creation and Emergent Wetland Enhancement )

\*\*\*Total Deficits = 1.73 Acres Open Water Creation

\*\*\*\* Note: 2.63 Acres of Open Water Impacts are being mitigated as forested mitigation and are included in the proposed forested wetland creation and enhancement totals.

>> This e-mail and any attachments are confidential, may contain legal, professional or other privileged information, and are intended solely for the addressee. If you are not the intended recipient, do not use the information in this e-mail in any way, delete this e-mail and notify the sender. CEG-IP1

Regards,

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

From: Lutchenkov, Dimitri  
Sent: Wednesday, April 06, 2011 2:52 PM  
To: 'Anderson, Kathy NAB'  
Cc: 'Burkman, Jim'  
Subject: FW: Mitigation Table (UNCLASSIFIED)

#### Wetland Mitigation Credit Summary

Mitigation Type

Mitigation Amount (acres)

Mitigation Ratio

Mitigation Credit

(acres)

Net Surplus Credits (acres)

Forested Creation

12.26

1:2

6.13

+2.89

Forested Wetland Enhancement

18.54

1:4

4.64

Emergent Wetland Creation

1.61

1:1

1.61

+0.67

Emergent Wetland Enhancement

1.08

1:4

0.27

Open Water Creation

0.9

0:1

0.00

-(2.63)

Total Impact Amount = 11.72 acres

Total Credit Amount = 12.65 acres

Total Surplus Credits = 0.93 acres

Does this table section refer to the Camp Conoy impact area? Yes a portion of the impacts to open water refers to Camp Conoy but I believe there are open water impacts elsewhere being impacted. EA was not involved in the original wetland delineation and jurisdiction determination or permit application but it is our understanding that 2.63 acres of open water are referring to areas that the USACE and MDE deemed jurisdictional and therefore the impacts were recorded.

What do you mean by the 0:1 ratio and the deficit? Open water creation was proposed in the original Phase 1 and since that plan was approved EA kept the concept of having some open water creation in the Phase 2. We were instructed that credit would not be given for the open water creation, however the open water areas do replace the lost functions and values of the open water areas being impacted. Since we are still creating open water but not getting credit for those areas (as stated by MDE) we gave open water a 0:1 credit ratio.



Did MDE require the open water mitigation? See description above. Woody Francis was the one that developed the table as described below and wanted to note the -2.63 surplus even though the mitigation for open water was not required. The bottom line is we are creating open water but open water creation was not included as part of the required mitigation.

Regards,

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

Classification: UNCLASSIFIED  
Caveats: NONE

**Hearing Identifier:** CalvertCliffs\_Unit3Cola\_Public\_EX  
**Email Number:** 1718

**Mail Envelope Properties** (92390DD291B2BB4298B1C7BBA081AA6745B808)

**Subject:** RE: Mitigation Table (UNCLASSIFIED)  
**Sent Date:** 4/7/2011 9:08:50 AM  
**Received Date:** 4/7/2011 9:09:18 AM  
**From:** Anderson, Kathy NAB

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

**Recipients:**

"Burkman, Jim" <jim.burkman@constellation.com>  
Tracking Status: None  
"Francis, Woody NAB" <WOODY.FRANCIS@usace.army.mil>  
Tracking Status: None  
"Quinn, Laura" <Laura.Quinn@nrc.gov>  
Tracking Status: None  
"Parkhurst, Mary Ann" <maryann.parkhurst@pnl.gov>  
Tracking Status: None  
"Lutchenkov, Dimitri" <dimitri.lutchenkov@unistarnuclear.com>  
Tracking Status: None

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

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	7917	4/7/2011 9:09:18 AM

**Options**

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