

10/12/05-04919

**Capito, Bonnie P CIV NAVFAC Lant**

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**From:** Jackson, Rodger W CIV NAVFAC Lant  
**Sent:** Wednesday, October 12, 2005 1:01 PM  
**To:** Capito, Bonnie P CIV NAVFAC Lant  
**Subject:** FW: Comments - Draft OU5 PRAP



Draft OU5 PRAP  
(Jeff and Georg...

ch pt AR

Rodger W. Jackson, P.E.  
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NC/Caribbean IPT, Code OPCEV  
6506 Hampton Blvd.  
Norfolk, Va. 23508-1278  
Tel: (757) 322-4589 Fax: (757) 322-4530  
Email: rodger.jackson@navy.mil

-----Original Message-----

From: George Lane [mailto:George.Lane@ncmail.net]  
Sent: Wednesday, October 12, 2005 11:44  
To: Christopher CIV Jeffrey K; William.Friedmann@CH2M.com; Jackson,  
Rodger W CIV NAVFAC Lant; Townsend.Gena@epamail.epa.gov;  
Doug.Bitterman@CH2M.com  
Cc: GeorgeL100@aol.com; Hitesman Maj Jonathan  
Subject: Re: Comments - Draft OU5 PRAP

Hi Bill and Team,

I had only one other comment which I included in Jeff's pdf.

George Lane  
Environmental Engineer II  
SF, Federal Remediation Branch  
NCDENR  
\_/\*(919) 508-8462  
\*/\_

Christopher CIV Jeffrey K wrote:

> My comments are embedded into the attached pdf.

>  
>

> \*/Jeff Christopher/\*  
> Environmental Engineer  
> Installation Restoration Program  
> Environmental Affairs Department  
> MCAS Cherry Point  
> COM: 252-466-4421  
> DSN: 582-4421  
> FAX: 252-466-2000  
> \_jeffrey.christopher@usmc.mil\_

>

> -----Original Message-----

> \*From:\* William.Friedmann@CH2M.com [mailto:William.Friedmann@CH2M.com]  
> \*Sent:\* Wednesday, October 05, 2005 13:58  
> \*To:\* rodger.jackson@navy.mil; Christopher CIV Jeffrey K;

> Townsend.Gena@epamail.epa.gov; George.Lane@ncmail.net;  
> GeorgeL100@aol.com; Doug.Bitterman@CH2M.com  
> \*Subject:\* Draft OU5 PRAP  
> \*Importance:\* High  
>  
> Team,  
> Attached is the draft OU5 PRAP. The document is not in it's  
> presentation format as OU4 and OU13 were. The "prettied" version can  
> not be edited by anyone, it is an actual graphic program. So we are  
> providing the PRAP in pdf format. What I have done to help you with  
> the visual is provide you with the OU4 PRAP that we produced so you  
> can see how the layout will be.  
>  
> Please review OU5 PRAP as soon as you can, by next week if possible.  
> This means that you will need to engage your legal reviewers as well.  
> There are several critical deadlines which need to be met which  
> includes deciding when we can have the PRAP available to the public as  
> well as having enough time to put the public notice in the paper with  
> the correct start date. If you have any questions, please don't  
> hesitate to ask.  
> Thanks,  
> Bill  
> //  
> /William J. Friedmann, Jr. P.G./  
> Project Manager/Hydrogeologist  
> CH2M HILL, Inc.  
> 5700 Cleveland Street, Suite 101  
> Virginia Beach, VA 23462  
> Ph: 757-671-8311 x419  
> Fx: 757-497-6885  
> E-mail: [william.friedmann@ch2m.com](mailto:william.friedmann@ch2m.com) <<mailto:william.friedmann@ch2m.com>>  
>

# Summary of Comments on Microsoft Word - Draft PRAP OU5.doc

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## Page: 1

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Sequence number: 1  
Author: jeffrey.christopher  
Date: 10/6/2005 13:44:53  
Type: Note  
OU5 RI was finalized in August 2005.

Sequence number: 2  
Author: jeffrey.christopher  
Date: 10/7/2005 8:14:25  
Type: Note  
Change to "Repository"

## Page: 2

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Sequence number: 1  
Author: jeffrey.christopher  
Date: 10/6/2005 13:45:11  
Type: Strikeout

## Page: 3

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Sequence number: 1  
Author: jeffrey.christopher  
Date: 10/6/2005 13:46:06  
Type: Note  
Ensure figure description is included.

## Page: 4

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Sequence number: 1  
Author: jeffrey.christopher  
Date: 10/6/2005 13:49:05  
Type: Note  
FYI... the black/white printed version has a circle around the site but not the color version. ??? [no action needed, just an observation]

Sequence number: 2  
Author: jeffrey.christopher  
Date: 10/6/2005 13:52:54  
Type: Note  
Rearrange text to read "Observed surface debris included fill with mixed wastes, fill with construction debris, and 55-gallon drums." [statement as originally written could be potentially misinterpreted as "55-gallon drums filled with mixed waste."]

Sequence number: 3  
Author: jeffrey.christopher  
Date: 10/6/2005 13:53:17  
Type: Strikeout

Sequence number: 4  
Author: glane  
Date: 10/12/2005 11:25:07  
Type: Note  
Insert "empty" before 55-gallon drums (I'm assuming they were empty)

## Page: 5

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Sequence number: 1  
Author: jeffrey.christopher  
Date: 10/6/2005 13:53:37  
Type: Strikeout

Sequence number: 2  
Author: jeffrey.christopher  
Date: 10/6/2005 13:54:58  
Type: Note  
Why is "cyanide (total)" used in one sentence and "total cyanide" in the next?

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Sequence number: 1  
Author: jeffrey.christopher  
Date: 10/6/2005 15:17:57  
Type: Note  
Am unsure of the criteria for including a term in the Glossary. It would seem that "Preliminary Remediation Goal" would be a good candidate. [also see similar comments on p.11 for Operations and Maintenance (O&M) and p.12 for Geographic Information System (GIS)]

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Sequence number: 1  
Author: jeffrey.christopher  
Date: 10/6/2005 13:56:52  
Type: Strikeout

Sequence number: 2  
Author: jeffrey.christopher  
Date: 10/6/2005 13:56:59  
Type: Strikeout

Sequence number: 3  
Author: jeffrey.christopher  
Date: 10/6/2005 13:59:05  
Type: Note  
Omit the use of comparisons (e.g. 1 out of 14) as it seems to raise more questions and doesn't seem to matter if it were to be omitted. Also, previous mentions of contaminants were not compared in this manner.

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Sequence number: 1  
Author: jeffrey.christopher  
Date: 10/6/2005 13:59:57  
Type: Strikeout

Sequence number: 2

Author: jeffrey.christopher  
Date: 10/6/2005 14:03:21  
Type: Note

The use of the comparison in this case is appropriate. Alternatively, the inclusion of the concentration (666 mg/kg) appears unnecessary and tells the reader little without a standard to compare it to. Therefore, omit the concentration.

Sequence number: 3  
Author: jeffrey.christopher  
Date: 10/6/2005 14:30:31  
Type: Note

I wouldn't expect the public to know what a "benthic macroinvertebrate population" is. Reword the sentence (including semicolons) to permit examples to be included. Suggest the following text... "Receptor communities evaluated in the assessment included: soil-associated receptors such as terrestrial plant and soil invertebrate populations (e.g. worms); sediment-associated receptors such as benthic macroinvertebrate populations (e.g. crayfish); and water column receptors such as fish, amphibian larvae (e.g. tadpoles), and aquatic invertebrate populations (e.g. water insects)."

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Sequence number: 1  
Author: jeffrey.christopher  
Date: 10/6/2005 14:17:33  
Type: Note

Same comment as on p.7 re adding PRG to the glossary. Would "Operations and Maintenance (O&M)" be a good candidate?

## Page: 12

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Sequence number: 1  
Author: jeffrey.christopher  
Date: 10/6/2005 15:15:46  
Type: Note

Same comment as on p.7 (PRG) and p.11 (O&M) re the glossary. Would "Geographic Information System (GIS)" be a good candidate?

Sequence number: 2  
Author: jeffrey.christopher  
Date: 10/6/2005 15:00:17  
Type: Strikeout

Sequence number: 3  
Author: jeffrey.christopher  
Date: 10/6/2005 15:00:20  
Type: Strikeout

Sequence number: 4  
Author: jeffrey.christopher  
Date: 10/6/2005 15:00:51  
Type: Note

The IC is applicable to the surficial aquifer.

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Sequence number: 1  
Author: jeffrey.christopher  
Date: 10/6/2005 15:18:25  
Type: Strikeout

Sequence number: 2  
Author: jeffrey.christopher  
Date: 10/6/2005 15:20:04

Type: Note

Using the term "ex-site" doesn't appear necessary and would require explaining if used.

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Sequence number: 1

Author: jeffrey.christopher

Date: 10/6/2005 15:26:19

Type: Note

In addition to Alternative 1, neither does alternatives 2 nor 5. Suggest either rewording as "However, only Alternatives 3 and 4 provide a means to measure or document this reduction." OR replacing with the statement below employed in the OU4 PRAP: "Natural attenuation is expected to reduce COC concentrations for each of the alternatives, although no such reduction could be documented with Alternatives 1 or 2. Active pump and treat would reduce COC concentrations if Alternative 5 were implemented."

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Sequence number: 1

Author: jeffrey.christopher

Date: 10/6/2005 15:27:38

Type: Note

Isn't the meeting to be started at 6:00 pm?

## Page: 18

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Sequence number: 1

Author: jeffrey.christopher

Date: 10/6/2005 15:28:56

Type: Note

George's phone number is (919) 508-8462.