US EPA ARCHIVE DOCUMENT

COMMENTS

Comments received for CHA Draft Report *(July 6, 2009,* CHA Project No. 20085.1000.1510*)* for the Assessment of Dam Safety of Coal Combustion Surface Impoundments, Duke Energy – Buck Steam Station, Spencer, NC. Comments include;

- EPA comments received on July 22, 2009;
- NC-DENR on September 14, 2009; and
- Duke Energy comments received on September 14, 2009.

US EPA ARCHIVE DOCUMENT

Final Report
Assessment of Dam Safety of Coal Combustion Surface Impoundments
Duke Energy – Buck Steam Station
Spencer, NC

Comments Received from the EPA *(July 22, 2009)*
In Response to CHA Draft Report (July 13, 2009)

CHA Project No. 20085.5000.1510

US EPA ARCHIVE DOCUMENT

Everleth, Jennifer

From: Harris IV, Warren
Sent: Wednesday, July 22, 2009 10:06 AM
To: Everleth, Jennifer; Adnams, Katy; Hargraves, Malcolm
Cc: Nattress, Annette
Subject: Fwd: Comments on CHA's Draft Assessment Report for: Duke Energy's Buck Steam Station

US EPA ARCHIVE DOCUMENT

Sent from my iPhonem

Begin forwarded message:

> **From:** "Killeen, Deborah A" <deborah.a.killeen@lmco.com>
> **Date:** July 22, 2009 9:57:15 AM EDT
> **To:** "Harris IV, Warren" <WHarris@chacompanies.com>
> **Cc:** "Miller, Dennis A" <dennis.a.miller@lmco.com>, Hoffman.Stephen@epamail.epa.gov, Kohler.James@epamail.epa.gov
> **Subject: FW: Comments on CHA's Draft Assessment Report for: Duke Energy's Buck Steam Station**
>
> Good Morning Warren,
>
> Here are EPA's comments on CHA's Draft Assessment Report for: Duke Energy's Buck Steam Station:
>
> 1) Verify/make clear that your hazard classification rating differs from the state rating for Basins 2 and 3. The checklist says one thing, the form says another; explain the difference more explicitly in report and on the form.
>
> 2) Expand Table of Contents, indicate Figure names.
>
> Deborah A Killeen
> Quality Assurance Officer
> Lockheed Martin/REAC
> 732-321-4245 (office)
> 609-865-9308 (cell)
> 732-494-4021 (fax)

Final Report
Assessment of Dam Safety of Coal Combustion Surface Impoundments
Duke Energy – Buck Steam Station
Spencer, NC

Comments Received from the NC-DENR *(September 14, 2009)*
In Response to CHA Draft Report (July 13, 2009)

CHA Project No. 20085.5000.1510

US EPA ARCHIVE DOCUMENT

-----Original Message-----
From: Miller, Dennis A [mailto:dennis.a.miller@lmco.com]
Sent: Monday, September 14, 2009 10:24 AM
To: Harris IV, Warren; Killeen, Deborah A
Subject: FW: Request for Review: Duke Energy - Buck Steam Station

-----Original Message-----
From: Kohler.James@epamail.epa.gov [mailto:Kohler.James@epamail.epa.gov]
Sent: Monday, September 14, 2009 10:20 AM
To: Miller, Dennis A; Killeen, Deborah A
Cc: Hoffman.Stephen@epamail.epa.gov
Subject: Fw: Request for Review: Duke Energy - Buck Steam Station

FYI

----- Forwarded by James Kohler/DC/USEPA/US on 09/14/2009 10:11 AM -----
|------------>
| From: |
|------------>

>----------
----------|
|"Frost, Larry" <larry.frost@ncdenr.gov>
|

>----------
----------|
|------------>
| To: |
|------------>

>----------
----------|
|James Kohler/DC/USEPA/US@EPA
|

>----------
----------|
|------------>
| Cc: |
|------------>

>----------
----------|
|"Mussler, Ed" <ed.mussler@ncdenr.gov>
|

>----------
----------|
|------------>
| Date: |
|------------>

>----------
----------|
|08/11/2009 08:20 AM
|

>----------

US EPA ARCHIVE DOCUMENT

Subject:

RE: Request for Review: Duke Energy - Buck Steam Station

Jim
I have reviewed the report and have no comment.
Thanks for the opportunity.
Larry

Larry Frost - Larry.Frost@ncdenr.gov
North Carolina Dept. of Environment and Natural Resources
Division of Waste Management - Solid Waste Section
Asheville Regional Office
2090 U.S. Highway 70
Swannanoa, NC 28778
Tel: 828-296-4500
http://wastenotnc.org/swhome

Notice: E-mail correspondence to and from this address may be subject to the North Carolina Public Records Law and therefore may be disclosed to third parties.

-----Original Message-----
From: Kohler.James@epamail.epa.gov [mailto:Kohler.James@epamail.epa.gov]

Sent: Wednesday, August 05, 2009 8:29 AM
To: McEvoy, Steve; larry.frost@ncmail.net
Cc: Dufficy.Craig@epamail.epa.gov; Hoffman.Stephen@epamail.epa.gov
Subject: Request for Review: Duke Energy - Buck Steam Station

Dear All:

On June 9-10, 2009, USEPA conducted a site assessment of coal combustion waste management units at the Duke Energy - Buck Steam Station. Larry Frost was the state representative present during this assessment. Please paste the link below in your browser to download a copy of the draft report prepared by EPA's engineering contractor. I am requesting that you review and comment on this draft report. I would appreciate it if you would send me your comments no later than 10 days from the receipt of this email (August 19, 2009). This draft report has also been sent to the facility. After EPA receives all comments, a final report will be prepared and released to the public.

If you have any questions about this effort, please call me (703-347-8953) or Steve Hoffman (703-308-8413). Please acknowledge receipt of this email. Be aware this is not a public document and should be handled accordingly. Thank you!

Jim

US EPA ARCHIVE DOCUMENT

Attachment link:
https://www.yousendit.com/download/Y1RvbGtOQ1JJMHQzZUE9PQ

****

Jim Kohler, P.E.
Environmental Engineer
LT, U.S. Public Health Service
U.S. Environmental Protection Agency
Office of Resource Conservation and Recovery
Phone: 703-347-8953
Fax: 703-308-8433

****

US EPA ARCHIVE DOCUMENT

Final Report
Assessment of Dam Safety of Coal Combustion Surface Impoundments
Duke Energy – Buck Steam Station
Spencer, NC

Comments Received from the Duke Energy *(September 14, 2009)*
In Response to CHA Draft Report (July 13, 2009)

CHA Project No. 20085.5000.1510

US EPA ARCHIVE DOCUMENT

US EPA ARCHIVE DOCUMENT

FW Duke Energy's Comments on Draft Report for Buck Steam Station

-----Original Message-----
From: Miller, Dennis A [mailto:dennis.a.miller@lmco.com]
Sent: Monday, September 14, 2009 9:18 AM
To: Harris IV, Warren; Killeen, Deborah A
Subject: FW: Duke Energy's Comments on Draft Report for Buck Steam Station

Warren: attached are the company comments for the Duke Energy Buck Steam Station draft report.

-----Original Message-----
From: Kohler.James@epamail.epa.gov [mailto:Kohler.James@epamail.epa.gov]
Sent: Monday, August 24, 2009 12:26 PM
To: Miller, Dennis A; Killeen, Deborah A
Cc: Hoffman.Stephen@epamail.epa.gov
Subject: Duke Energy's Comments on Draft Report for Buck Steam Station

Dennis and Deb:

Attached are Duke Energy's Comments on Draft Report for Buck Steam Station.

We have reviewed the comments and believe they are limited to factual/editorial issues with the exception of comment 2 where they think a different hazard classification is warranted. Please verify and incorporate accordingly. Should you disagree or choose not to address/incorporate any substantial comments into the report (particularly comment 2), please draft a response that explains why. Please do not call the companies directly; questions on the comments can be coordinated with EPA.

Ultimately, we would like to include all original comments (EPA/state/facility) in a separate appendix in the Final Report. EPA will prepare a response to comments page which will be placed in front of the original comments in the Appendix.

If you have any questions or concerns with these directions please feel free to call me or Steve. Thanks!

****
Jim Kohler, P.E.
Environmental Engineer
LT, U.S. Public Health Service
U.S. Environmental Protection Agency
Office of Resource Conservation and Recovery
Phone: 703-347-8953
Fax: 703-308-8433
****

----- Forwarded by James Kohler/DC/USEPA/US on 08/24/2009 11:38 AM -----
|---------->
| From: |
|---------->

>----------
----------|
|Stephen Hoffman/DC/USEPA/US
|

>----------
----------|
|---------->

FW Duke Energy's Comments on Draft Report for Buck Steam Station

| To: |
|---------->

>----------
----------|
|James Kohler/DC/USEPA/US@EPA
|

>----------
----------|
|---------->
| Date: |
|---------->

>----------
----------|
|08/24/2009 11:13 AM
|

>----------
----------|
|---------->
| Subject: |
|---------->

>----------
----------|
|Fw: Duke Energy Comments on Draft Report for Buck Steam Station
|

>----------
----------|

here are the Buck comments. looks pretty minor...
----- Forwarded by Stephen Hoffman/DC/USEPA/US on 08/24/2009 11:11 AM

|---------->
| From: |
|---------->

>----------
----------|
|"Sullivan, Ed M" <Ed.Sullivan@duke-energy.com>
|

>----------
----------|
|---------->
| To: |
|---------->

>----------
----------|
|Stephen Hoffman/DC/USEPA/US@EPA
|

>----------
----------|
|---------->
| Cc: |

US EPA ARCHIVE DOCUMENT

FW Duke Energy's Comments on Draft Report for Buck Steam Station
|---------->

>----------|
|"Mc Cabe, Bill" <Bill.McCabe@duke-energy.com>, "Mitchell, David F" <David.Mitchell@duke-energy.com>, "Waugh, Dave" |
|<Dave.Waugh@duke-energy.com>, "Taylor, Henry" <Henry.Taylor@duke-energy.com>, "McCabe, Patrick J" <Patrick.McCabe@duke-energy.com> |

>----------|
|---------->
| Date: |
|---------->

>----------|
|08/19/2009 04:31 PM |

>----------|
|---------->
| Subject: |
|---------->

>----------|
|Duke Energy Comments on Draft Report for Buck Steam Station |

>----------|

On August 10, you transmitted the draft inspection report for the Duke Energy Buck Steam Station for review and comment. Duke Energy appreciates the opportunity to review this report. Our comments on this report are attached.

If you have any questions, please do not hesitate to contact me.

_____
D. Edwin M. Sullivan, P.E.
Waste & Remediation Management
(980) 373-3719
(See attached file: Review of USEPA Inspection Report - Buck - Rev 1.docx)

US EPA ARCHIVE DOCUMENT

Review of USEPA Inspection Report – Buck (CHA)

1. The report contains three forms from the USEPA called, "Coal Combustion Dam Inspection Checklist Form." These forms have the Hazard Potential Classification circled showing *"High"* with a foot note stating, *"The Hazard Potential Classification is established by the North Carolina Utilities Commission before the site visit."* North Carolina does not base its Hazard Potential Classification on the National Inventory of Dams as requested in the EPA scope for the consultants. The North Carolina rating is based on the NC Dam Safety Act and the rating is based on the potential for environmental damage should a failure occur with a significant coal ash release, not on the potential for loss of human life. The consultants should be requested to clarify their different ratings between forms of the basins based on the National Inventory of Dams Criteria to insure consistency. It is Duke Energy's position that the classification according to the National Inventory of Dams Criteria should be "Significant."
2. For the Additional Primary Cell Basin, the USEPA forms called, "Coal Combustion Waste (CCW) Impoundment Inspection" has the Hazard Potential Classification marked as *"High."* It is Duke Energy's position that failure or misoperation of this basin will result in no probably loss of human life; therefore, one of the lesser classifications would be correct. Refer to comment number 1.
3. In section 4.16, the 3rd sentence says, *"If left unchecked however, the rate of undermining can increase and can reach the point where the spillway no protects the downstream toe from continual erosion as more sections drop away from the channel."* The word *"no"* should be replaced with "does not."
4. On page 1, the list of names at bottom of page should have "Brent File," not *"Brett."* Also, Bill Wilson's title should note that he is also the dike equipment owner.
5. On figure 6, *"Rushco Food Store"* is erroneously noted. The structure identified is actually a house (residence).
6. In section 2.5, first sentence, piezometers being located on the diverter dike should also be listed.
7. In section 3.4, first sentence, piezometer readings taken monthly on the diverter dike should also be listed.
8. In section 3.4, the 2nd sentence states, *"On an annual basis, Duke Energy has a visual inspection of the dike conditions performed by an outside consultant."* It is more correct to say, "Duke Energy has a monthly visual inspection of the dike conditions by an internal qualified individual, and an annual inspection performed internally or by an outside consultant."
9. In section 4.14, there is a reference to *"Basin 1".* This reference should be "Basin 2."

US EPA ARCHIVE DOCUMENT