

**Gray, Jeff**

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**From:** Thompson, Melissa A  
**Sent:** Wednesday, October 18, 2006 4:42 PM  
**To:** Gray, Jeff  
**Subject:** KIF Dataware

**Attachments:** Ash Pond Data Ware Points.xls; RE: Ash Pond Dataware

Jeff – Attached is the spreadsheet I sent KIF regarding other TVA plants use of data ware with their ash pond conditioning systems. Also, attached is the response of KIF on their data ware preferences. Please let me know if you have any questions. Thank you.



Ash Pond Data  
Ware Points.xls ...



RE: Ash Pond  
Dataware

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**KIF Ash Pond PH Treatment Weekly Telecom Meeting**  
**September 13, 2006**  
**2:30 PM**

Agenda

- |       |  |                               |
|-------|--|-------------------------------|
| I.    | Review of data from local utility on Emory River water quality for previous years winter months. | Chad Olmstead                 |
| II.   | Review of cost to upgrade the existing powdered lime system to control pH level                  | Brian Lankford<br>Doug Colman |
| III.  | Review of information obtained from companies with acid drip systems installed.                  | Tony Knight &<br>Roy Quinn    |
| IV.   | Do we need to install equipment to raise the pH level?   | Tony Knight                   |
| V.    | WBF Sodium Hydroxide System  | Tony Knight &<br>Roy Quinn.   |
| VI.   | What did you do last week/what is planned this week?   | Tony Knight                   |
| VII.  | What did you do last week/what is planned this week?   | Doug Shaffer                  |
| VIII. | What did you do last week/what is planned this week?   | Melisa Dixon                  |
| IX.   | What did you do last week/what is planned this week?   | Jeff Gray                     |
| X.    | Questions\Comments   | All                           |

**Reminder**

Weekly telecom meetings on Wednesday's at 2:30 PM. The meeting ID number is 4820. Please let Jeff Gray know (via e-mail) by 9:00 AM on the day of the meeting if you have items you would like to add to the meeting agenda.

## KIF Ash Pond PH Treatment JPT Telecom Meeting Summary

**Date:** September 20th, 2006

**Time:** 2:30 PM

**Project:** KIF - Ash Pond PH Treatment

**DCN:**

**Purpose:** Weekly Project Update

**Recorded By:** Jeff L. Gray

### **Actions\Discussion:**

1. Doug Shaffer, Tony Knight, and Melisa Dixon are currently looking at systems to lower and raise Ash Pond pH level. RSO&E Chemical Engineer Nareshkumar B. Handagama (Naresh) is evaluating the water quality test data provided by KIF, Harriman Utility Company, and Lindy Johnson (e.g. coal yard runoff area limited alkalinity and hardness data from skimmer wall, etc.). Naresh will complete his study by Friday, September 22, and give Doug and Melisa his conceptual recommendations for lowering or raising the ash pond pH level. Doug and Melisa will provide a preliminary layout of the proposed Ash Pond treatment systems to Jeff Gray Monday September 25 for distributing to the JPT. Naresh will attend the next JPT meeting at KIF to discuss his work.

The following options are being considered to raise or lower the pH level.

#### **Lower**

CO2 pressurized solution feed system  
Acid injection

#### **Raise**

Dry lime injection  
Liquid lime injection  
Other chemical injection (sodium hydroxide, etc...)

2. Darrel Cross will walk down the site and report on what power is available after he gets power requirement information from Doug Shaffer.
3. Per the JPT request at the August 31st meeting, Brian Lankford and Doug Coleman along with Bob Rehberg investigated what would be required to upgrade the existing powdered lime pH control system. The existing system is beyond repair. The JPT decided to proceed with its plans to install new systems to control the ash pond pH level.
5. The pH control systems will be designed using the limited information available. The system will be installed, monitored, and adjusted to meet the requirements of KIF.
6. We will have a brief telecom meeting September 27th (2:30 PM). The meeting ID number is 7693.
7. The next JPT meeting at KIF will be September 29th, 9:30 AM in the Plant Managers Conference Room. The meeting ID number is 7693 for those who can't attend the meeting in person.