

Gray, Jeff

From: Knight, Tony Alan
Sent: Thursday, August 03, 2006 8:55 AM
To: Hughes, Michael S
Cc: Petty, Harold L; Purkey, Ronald E; Gray, Jeff; Shaffer, Douglas P
Subject: RE: KIF - Ash Pond PH Treatment Meeting of 7/24 - Decisions and Actions

thanks for the information

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

From: Hughes, Michael S
Sent: Monday, July 31, 2006 4:10 PM
To: Knight, Tony Alan
Cc: Petty, Harold L; Purkey, Ronald E; Gray, Jeff; Hughes, Michael S
Subject: RE: KIF - Ash Pond PH Treatment Meeting of 7/24 - Decisions and Actions

Tony:

Let me revise this once to correct a mistake! We took another look at the situation and remembered we needed to include the attenuation effect of the discharge pipes from the dredge cell into the ash pond. These two 24" diameter pipes will significantly restrict the peak discharge from the dredge cells.

1. Peak flow (Q) during the 10 year 24 hour storm is 70 CFS thru the 24" diameter pipes.
2. Total volume at the end of the event is 1,523,000 CF remains unchanged.

Thanks,
Mike

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

From: Hughes, Michael S
Sent: Monday, July 31, 2006 2:14 PM
To: Knight, Tony Alan
Cc: Petty, Harold L; Purkey, Ronald E; Gray, Jeff
Subject: RE: KIF - Ash Pond PH Treatment Meeting of 7/24 - Decisions and Actions

Tony:

From the Dredge cells into the ash pond:

Peak flow (Q) during the 10 year 24 hour storm is 350 CFS.

Total volume at the end of the event is 1,523,000 CF

Thanks,
Mike

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

From: Petty, Harold L
Sent: Monday, July 31, 2006 2:09 PM

09/06/2006

TVA-00006247

To: Hughes, Michael S
Subject: FW: KIF - Ash Pond PH Treatment Meeting of 7/24 - Decisions and Actions

Please handle.

Thanks,
Lynn

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

From: Purkey, Ronald E
Sent: Tuesday, July 25, 2006 12:58 PM
To: Petty, Harold L
Subject: RE: KIF - Ash Pond PH Treatment Meeting of 7/24 - Decisions and Actions

both

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

From: Petty, Harold L
Sent: Monday, July 24, 2006 6:19 PM
To: Purkey, Ronald E
Subject: RE: KIF - Ash Pond PH Treatment Meeting of 7/24 - Decisions and Actions

Peak flow (Q in CFS) or total volume of water (CF) for the 24 hour period?

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

From: Purkey, Ronald E
Sent: Monday, July 24, 2006 6:17 PM
To: Petty, Harold L
Subject: FW: KIF - Ash Pond PH Treatment Meeting of 7/24 - Decisions and Actions

Please provide item 6 below to Tony as indicated. Thanks.

Ron

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

From: Purkey, Ronald E
Sent: Monday, July 24, 2006 6:13 PM
To: Purkey, Ronald E; Johnson, Linden Printz; Campbell, Linda F; Knight, Tony Alan; Dixon, Melisa D; Lennon, Kendal R; Quinn, James Roy III; McDonald, Cathy L; Varner, Arthur L; Williams, Brian E; Carter, James C Jr; Nelson, Gary R; Rehberg, Robert L
Cc: Olmstead, Chadwick Regan; Hedgecoth, Melissa A; Thompson, Melissa A; Lundy, Dennis L; Cahill, Donald Patrick; Gray, Jeff; Petty, Harold L
Subject: KIF - Ash Pond PH Treatment Meeting of 7/24 - Decisions and Actions

The team met on Monday 7/24/06. The attendance was as follows:

Purkey, Ronald E; Johnson, Linden Printz; Campbell, Linda F; Knight, Tony Alan; Dixon, Melisa D; Lennon, Kendal R; Quinn, James Roy III; McDonald, Cathy L; Varner, Arthur L; Williams, Brian E; Carter, James C Jr; Nelson, Gary R; Rehberg, Robert L

The following are the decisions and actions as a result of that meeting:

1. The PH control is required for high and low PH (between 6 and 9)

2. The project is in the early stages of Phase 1. The team decided that information on the chemistry of the ash pond water (now and future) and the method of treatment based on the chemistry and pond configuration was needed before discipline engineering involvement.

3. Tony Knight will lead the effort to obtain the information in item 2. Tony will have the final information available 8/24/06. The deliverables will be as follows:

- a. Look at alternatives to CO2 and NaOH
- b. Feed rate for CO2
- c. Feed rate for NaOH (or other)
- d. Method of chemical feed recommendations
- e. Location of chemical feed recommendations
- f. Safety considerations for all chemicals
- g. Tank Material recommendations

4. Lindy Johnson stated that, due to meter tolerance, the PH will be kept between 6.2 and 8.8.

5. Linda Campbell will provide Tony Knight the effluent flow from the plant going to the ash pond by 8/2/06.

6. Ron Purkey will provide to Tony Knight the 10 year 24 hour rainfall runoff from the dredge cells adjacent to the ash pond by 7/31/06.

7. Art Varner provided the short code 001FT35 for the Phase 1 study.

8. The Ash Pond PH treatment must be installed by 9/30/07.

9. A preliminary schedule was developed as follows:

DATE	DELIVERABLE
8/24/06	CHEMICAL DATA FROM TONY KNIGHT
8/31/06	PHASE 1 B START WITH DISCIPLINE ENGINEERING
11/15/06	PHASE 1 STUDY COMPLETE
12/1/06	TANK REQUISITION ISSUED
2/15/07	PHASE 2 DCN ISSUED
5/1/07	TANKS DELIVERED
5/1/07	CONSTRUCTION START
8/1/07	CONSTRUCTION COMPLETE
8/1-8/31	OPERATIONAL CHECKOUTS
9/1/07	TURNOVER

10. The next team meeting will be at KIF on Thursday 8/31/06 at 1 pm in the

Plant Manager's conference room.

11. There will be weekly Wednesday telecons beginning 8/2 at 2:30 pm. The meet me number is 423 751 2428; meet me no. 4820.

If you have any questions or comments on any of the above, please call me at 4820-C. Thanks.

Ron Purkey
Manager of Civil Engineering
LP 2G-C

09/06/2006

TVA-00006250