

JPT Meeting Agenda Rev. 0
Wednesday October 5, 2005, 9:00 AM EDT
KIF EPRI I&C Center Classroom

1. FGD Program Status (Gary Nuyt)
2. Overview of KIF Project Schedule Milestones (Tom Myers)
3. FGD Layouts (Roger Wright)
 - Optimum 2-Module Configuration for FGD Facilities
 - New Booster Fans Spacing
 - Electrical Building Layout
 - Fox Building
 - Limestone Prep Building Layout
 - Maintenance Building Layout
 - Control Room Layout
 - Service Building Layout
4. Possible Relocation/Replacement of Units 5-9 Existing ID Fans and Possible Replacement of Units 1-4 ID Fans (Keith Benton)
 - Update from Tuesday Discussion & NPV Analysis
5. Limestone Preparation (Keith Benton)
 - Sizing of Limestone Storage Day Bin
6. Draft System (Keith Benton)
 - Transient Analysis – status
 - Operational Bypass or Not - status
7. Civil Issues (Gary Ferguson/Ed Lacoste)
 - Existing Units 1-4 ID Fans Access Issues
 - Renovation of Main Parking Area
 - Removal of Guard Shack
 - Permanent Security Fencing
 - Area Drainage Options
 - Spoils Pile
8. Peninsula Gypsum Pond/Dewatering Facility Layout (Lynn Petty)
9. Construction Facilities (Gary Ferguson/Ed Lacoste)
 - Master Lay down and Storage Plan
 - Security Plan and Contractor Vehicle Access
 - Contractor Parking
 - Heavy Haul Access across Plant Grounds
 - TVA/Advatech Construction Facilities
 - Contractor Trailers
 - Warehousing Requirements
10. Planned On-site Activities for the Upcoming Month (Gary Ferguson)
 - Geotechnical Evaluations / Core Borings (October)
 - Underground Investigations – Hydro-excavation (October)
 - Miscellaneous Site Visits (by Design Team)

MAJOR DESIGN DECISIONS TO BE MADE DURING STUDY PHASE-

1. Location of Project Structures – General Arrangements
2. Size, Number and Configuration of Modules
3. Electrical – Source of FGD Power - Permanent & Construction (Permanent – Complete, Construction – Complete)
4. Draft System
5. Operational or Maintenance Bypass (Full Operational Bypass Recommended pending Senior Management Approval)
6. Scrubber Operation Philosophy
7. Possible Relocation of ID Fans on Units 5-9
8. Possible Replacement of ID Fans on Units 1-4 (Complete – Not being pursued)
9. Number and Type of Booster Fans (Four Axial Fans pending Vendor Site Trips)
10. Duct Arrangements
11. Damper Types and Locations
12. Source of Water Supply (Complete)
13. Chimney Height
14. Chimney Liner Winding Method
15. Type of Control Equipment (DCS vs. PLC)
16. Storm Water Discharge Issues
17. Limestone Supply, Receiving and Handling
18. 6.9 KV vs. 4160 KV (Complete – 13.8 KV & 4160V)
19. Contactors vs. Switchgear
20. Effluent Line Routing and Materials
21. Maintenance Facility Needs

NEXT MEETING-

1. Date: October 05, 2005
2. Time: 9:00 AM (EDT)
3. Location: KIF EPRI I&C Center Classroom

ACTION ITEMS-

1. Dave Robinson to head a team with Tom Myers to develop a communication plan and set up a public meeting (Work in Progress).
2. The project team will provide feedback on the frequency of planned FGD outages and duration including information on what Duke Power plans to do for outages on their single module FGD tied to Marshall Units 1&2 (Work in Progress).
3. Advatech to get estimates on Limestone vs. Pavement (straight runs only leaving the intersections rock) on the section of road between the limestone pile and Swan Pond Rd (Work in Progress).
4. Advatech and Plant to work out spoils and borrow areas on-site for the FGD Construction (Work in Progress).
5. Lynn Petty's group to evaluate the need for a turning lane addition on HWY 70 (Work in Progress).
6. Tim Lee to send the Plume Downwash Fog Potential for the Interstate from Larry Gauntay to Earl Deskins and Bob Rehberg (Complete).
7. Bob Rehberg to work on identifying the maintenance costs of the existing 5-9 fans for comparison with relocation/replacement of the fans (Complete).
8. Advatech to develop a preliminary plan and schedule for the tie-in outage(s) on the relocation/replacement of the Units 5-9 fans (Work in Progress).
9. Advatech to evaluate the design impacts in burning 3.1 lb/SO₂ coal and 5 lb/SO₂ coal and the effects on the FGD/Limestone operations (Work in Progress).
10. Bob Rehberg to collect a composite list of questions from Fossil Engineering and the Plant on the axial fans for Howden and/or TLT to answer. Advatech to assist in setting up a site visit at Howden or TLT (Work in Progress).
11. Tim Lee will get the Advatech report and recommendation on axial fans to Systems and Components for review (Complete).

12. Advatech to develop a DCS block diagram based on this week's discussions and develop a list of information they would propose to go to the main control room (Work in Progress).
13. Darrin Church/TPS to develop a drawing showing the proposed permanent power pole/line routing to the Project Team (Work in Progress).
14. Advatech to provide a list of data needed to the Plant to start the transient analysis - transient baseline (Complete).
15. The Project Team (Ron Lautigar) will provide a training session for the Plant by Siemens on Contactors (Work in Progress).
16. Mitch Latsch will work on the CEC for moving the spoils pile out of the future limestone handling area (Work in Progress).
17. Cat to provide minimum dimensions for the grove required to lift the existing Units 2&3 ID Fans and Motors (Work in Progress).
18. Tim Lee to investigate with Environmental whether SIP Limits apply to the site or only to individual chimneys (Complete).
19. The Project Team (Woody Milligan) to evaluate providing a front end loader for limestone handling (Work in Progress).

Petty, Harold L.

From: Myers, Thomas J.
Sent: Friday, September 30, 2005 9:19 AM
To: Petty, Harold L.
Cc: Purkey, Ronald E.
Subject: FW: KIF JPT Meeting Agenda Rev. 0 for October 05, 2005
Importance: High

Lynn,
Just wanted to remind you that we have you scheduled to discuss the Peninsula Gypsum Pond/Dewatering facility layout at next Wednesday's KIF FGD Joint Project Team meeting at the site per our discussions last Friday. Let me know if you have any questions.

Thanks.

Tom

Thomas J. Myers

FGD Turnkey Project Manager

TVA Fossil Projects

LP 2T - C

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

From: Collins, Michael J

Sent: Friday, September 30, 2005 8:54 AM

To: Tim Thomas; Craig Haydel; David Colley; Gary Ferguson; George Buchert; Keith Benton; Nick Malek; Randy Peters; Roger Wright; Ron Haynes; Wyatt, J. Nate; Brewster, Steve E.; Catlett, James H; Collins, Michael J; Deskins, Earl L; Endsley, Lewis K.; Farina, George E.; Fourroux, Jerry D.; Gary Ruzicka; Gipson, Richard E.; Haber, Stanley M.; Hulén, Amy L.; Latsch, Mitchell D.; Lautigar, Ronald R.; Lee, Timothy W.; Lundy, Dennis L.; Manaker, Arnold; Milligan, Mancil W.; Munson, George T.; Myers, Thomas J.; Nathan, Larry B.; Nuyt, Gary M.; Oberg, Bill W.; Rehberg, Robert L.; Robinson, Dave W; Sumrall, Fred; Thompson, Melissa A.; Vinson, Gary J.; Weaver, Jason T.; Wiggall, Richter E.

Subject: KIF JPT Meeting Agenda Rev. 0 for October 05, 2005

Importance: High

Attached is Rev. 0 of the KIF Meeting Agenda for the meeting scheduled on Wednesday, October 05, 2005 from 0900-1400 EDT. Please contact me with any questions relating to the agenda. Thanks...

M. Josh Collins

Project Manager

New Generation Projects, FGD Program

Tennessee Valley Authority

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10/04/2005

TVA-00007860

DRAFT

KIF Gypsum Disposal - Responsibilities Matrix - Oct 2005

Description	Engineering Design	Construction	Operate & Maintain
Gypsum Slurry Pipeline			
From Powerhouse to Bypass Valve	Advatech	Advatech	TVA
From Bypass Valve to Dewatering Facility	Gyp Marketer	Gyp Marketer	Gyp Marketer
From Bypass Valve to Gypsum Pond (Wet Sluicing)	Advatech	Advatech	TVA
By-Pass Valve	Advatech	Advatech	TVA
By-Pass Valve Controls	Advatech	Advatech	TVA(Highly Coordinated with Gyp Marketer)
Gypsum Dewatering Facility			
Gypsum Dewatering Facility	Gyp Marketer	Gyp Marketer	Gyp Marketer
Site Development of Gyp Dewatering Facility (Grading, Drainage, Roads & Parking within the Gyp Marketer area)	Gyp Marketer	Gyp Marketer	Gyp Marketer
Waste Water Pipeline from Dewatering Facility to Gypsum Pond	Gyp Marketer	Gyp Marketer	Gyp Marketer
Dry Gypsum Stockout (Pole Barn)	Gyp Marketer	Gyp Marketer	Gyp Marketer
Conveyor to Barge Loader	Gyp Marketer	Gyp Marketer	Gyp Marketer
Potable Water Supply (Note 1)	Gyp Marketer	Gyp Marketer	Gyp Marketer
Raw Water (Note 1)	Gyp Marketer	Gyp Marketer	Gyp Marketer
Natural Gas (Note 1)	Gyp Marketer	Gyp Marketer	Gyp Marketer
Power Supply to Gypsum Dewatering Facility (Note 1)	Gyp Marketer	Gyp Marketer	Gyp Marketer
Sewage/Septic	Gyp Marketer	Gyp Marketer	Gyp Marketer
Access Road to Gyp Dewatering Facility	Advatech (use existing as much as practicable)	Advatech (use existing as much as practicable)	TVA
Fence/Gate (Req'd ???)	Gyp Marketer	Gyp Marketer	Gyp Marketer
Transport (Hauling) from Dry Gypsum Stockout (Pole Barn) (Emergency Only)	n/a	n/a	Gyp Marketer haul to barge loader or gyp pond (emergency short term)
Gypsum Dry Stack Disposal Area			
Gypsum Dry Stack Disposal Area	TVA - FES	HED	Gyp Marketer (Yard Ops Oversight)
Stormwater (Surge) Pond	TVA - FES	HED	HED/Yard Ops
Cleanout of Stormwater Pond (as needed and when emergency by-pass is used)	n/a	n/a	Gyp Marketer
Road from Dewatering Facility to Gypsum Pond/Disposal Area	TVA - FES	HED	Gyp Marketer

Note 1 - TVA& Gyp Marketer to negotiate most practical approach to providing these utilities.