

Peer Review - Microsoft Outlook

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- Sent Items

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- KIF FGD
- KIF PRB Fuel Switch
- KIF Projects
- KIF Projects - Ash
- Deleted Items
- KIF450 (Gypsum)
  - KIF530 (Develop Flyash, Gypsum, and bottom ash)
    - Budget
    - Design
    - Environmental
    - Meeting Agendas and Notes
    - Meetings
    - Parsons
    - Peer Review
    - Pond vs Peninsula
    - Roles and Responsibilities
    - Scope
- KIF531 (Replace Kennedy Weir)
  - Other
  - Progress Reports
  - Search Folders
- KIF Projects - Closed
- KIF Projects - General Information
- KIF SCP HQ (KIF538)

Mail

63 Items

**Peer Review**

Arranged By: Date Newest on top

Older

Welch, Rita A. 02/28/2005  
TAO 0710-2A, MACTEC, KIF- Piezometer Installation  
SUBJECT TAO APPROVED. <end>

Petty, Harold L. 02/04/2005  
Kingston Fossil Plant - Tuesday phone call  
A conflict with our Tuesday (2/8/05) 1 PM phone call has come up that is unavoidable for us at TVA Chattanooga. Before I go randomly moving that time around I would

Latitude 02/02/2005  
FW: Meeting: Petty (Meeting ID: 6704)  
Here is the Tuesday 1 pm phone call arrangements. This is the recurring phone call to maintain coordination and allow good communications as we move through the

McNulty, Greg 01/25/2005  
Tamer Y. Elkady, Ph.D. Email adress  
Tamer Y. Elkady, Ph.D. Email adress  
TElkady@GeoSyntec.com

Latitude 01/21/2005  
FW: Meeting: Petty (Meeting ID: 6704)  
When: Tuesday, January 25, 2005 1:00 PM-1:30 PM (GMT-05:00) Eastern Time (US & Canada).  
\*\*\*\*\*

Welch, Rita A. 01/21/2005  
TAO 0201-0A, PARSONS, KIF- Dredge Cell Lateral ...  
SUBJECT TAO DISAPPROVED.  
NOTE: Please re-submit as Phase 1 work. <end>

Welch, Rita A. 01/20/2005  
TAO 0710-1A, MACTEC, KIF-Piezometer Installation  
SUBJECT TAO APPROVED. <end>

Petty, Harold L. 01/18/2005  
Kingston Fossil Plant

**TAO 0710-2A, MACTEC, KIF- Piezometer Installation**

Welch, Rita A.

To: Petty, Harold L.; Purkey, Ronald E.; Haber, Stanley M.

Attachments: tao\_print\_cvr\_word.doc (56 KB)

SUBJECT TAO APPROVED.

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Mail Peer Review

Accept Tentative Decline Propose New T

**Kingston Fossil Plant**  
Petty, Harold L.

Accepted by Petty, Harold L. on 01/18/2005 12:58 PM  
This appointment occurs in the past.

Required: GEOSYNTEC CONSULTANTS INC Attn: R NEIL DAVIES; Boggs, J. Markus; McNulty, Purkey, Ronald E.; Haber, Stanley M.

Optional:

Where: Monday, January 31, 2005 10:00 AM-2:00 PM.

Location: LP 15 - Livewell A (kitchen)

**Kingston Fossil Plant - Dredge Cell - Modeling Parameters - Team Meeting**

63 Items

Peer Review

Arranged By: Date Newest on top

Petty, Harold L. 01/18/2005  
Kingston Fossil Plant  
When: Monday, January 31, 2005 10:00 AM-2:00 PM (GMT-05:00) Eastern Time (US & Canada).  
Where: LP 15 - Livewell A (kitchen).

Latitude 01/17/2005  
FW: Meeting: Petty (Meeting ID: 6704)  
When: Tuesday, January 18, 2005 1:00 PM-2:30 PM (GMT-05:00) Eastern Time (US & Canada).  
\*~\*~\*~\*~\*~\*~\*~\*~\*~\*

Latitude 01/14/2005  
FW: Meeting: Petty (Meeting ID: 6704)  
When: Monday, January 17, 2005 3:00 PM-4:30 PM (GMT-05:00) Eastern Time (US & Canada).  
\*~\*~\*~\*~\*~\*~\*~\*~\*~\*

Welch, Rita A. 01/06/2005  
TAO 0710-0A, MACTEC, KIF- Piezometer Installation  
SUBJECT TAO APPROVED. <end>

Latitude 01/03/2005  
FW: Meeting: Petty (Meeting ID: 6704)  
Here's the recurring Tuesday update call.  
Thanks, Lynn  
-----Original Appointment-----

Latitude 12/17/2004  
FW: Meeting: Petty (Meeting ID: 6704)  
Here is the revised call:  
Mactec has been tasked to install the piezometers.  
Installation is scheduled to begin Jan 03, 2005. There is

Latitude 12/17/2004  
FW: Meeting: KIF - Seepage (Meeting ID: 6704)  
When: Tuesday, December 21, 2004 1:00 PM-2:30 PM (GMT-05:00) Eastern Time (US & Canada).  
\*~\*~\*~\*~\*~\*~\*~\*~\*~\*

GEOSYNTEC CONSULTANTS INC Attn: R NEIL DAVIES ...

RE: Task Order: Response for Monitoring Wells for #464

Favorite Folders:  
Inbox (6)  
Unread Mail  
For Follow Up  
Sent Items

All Mail Folders:  
KIF PGD  
KIF PRB Fuel Switch  
KIF Projects  
KIF Projects - Ash  
Deleted Items  
KIF450 (Gypsum)  
KIF530 (Develop Flyash, Gypsum, and bottom ash)  
Budget  
Design  
Environmental  
Meeting Agendas and Notes  
Meetings  
Parsons  
Peer Review  
Pond vs Peninsula  
Roles and Responsibilities  
Scope  
KIF531 (Replace Kennedy Weir)  
Other  
Progress Reports  
Search Folders  
KIF Projects - Closed  
KIF Projects - General Information  
KIF SCR 10 (MTE3B)

Mail

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**Peer Review**

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GEOSYNTEC CONSULTANTS INC Attn: R NEIL DAVIES ...  
RE: Task Order Proposal for Monitoring Wells Installati...  
Lynn OK with the approach given this clarification.  
Neil  
-----Original Message-----

Boggs, J. Markus 12/16/2004  
RE: Task Order Proposal for Monitoring Wells Installati...  
Lynn - Looks OK to me. Had a question about use of rotary wash for well installations, but talked with Hussein and he assured me that they will use only water as

Petty, Harold L. 12/16/2004  
RE: KIF - cost proposal for field testing at dike failure ...  
Mark:  
We concur.  
The short code is: 001D9VR

Petty, Harold L. 12/16/2004  
FW: Task Order Proposal for Monitoring Wells Inst... @  
Please review and confirm this meets our needs. I will then approve and get them mobilized.  
Thanks, Lynn H. L. Petty, PE

Petty, Harold L. 12/16/2004  
KIF530-survey request to locate piezometers  
Dallas:  
Here is the short code to do the surveying requested by Dan Smith:

Latitude 12/14/2004  
FW: Meeting: KIF - Seepage (Meeting ID: 6704)  
When: Tuesday, December 21, 2004 1:00 PM-2:30 PM (GMT-05:00) Eastern Time (US & Canada).  
\*\*\*\*\*

Petty, Harold L. 12/14/2004  
FW: Attachment from Neil Davies  
Here are Mark's comments that I promised to forward to all.  
Thanks, Lynn

**RE: Task Order Proposal for Monitoring Wells Installation - Kingston**

GEOSYNTEC CONSULTANTS INC Attn: R NEIL DAVIES

To: Boggs, J. Markus; Petty, Harold L.  
Cc: Purkey, Ronald E.; Haber, Stanley M.; eGreg.McNulty@parsons.com; Smith, Daniel R.

I am OK with the approach given this clarification.

Neil

-----Original Message-----  
From: Boggs, J. Markus  
[mailto:jmboggs@tva.gov]  
Sent: Thursday, December 16, 2004 2:05 PM  
To: Petty, Harold L.  
Cc: Purkey, Ronald E.; Haber, Stanley M.; Neil Davies; McNulty, Greg; Smith, Daniel R.  
Subject: RE: Task Order Proposal for Monitoring Wells Installation - Kingston FP Ash Disposal Area

Lynn - Looks OK to me. Had a question about use of rotary wash for well installations, but talked with Hussein and he assured me that they will use only water as drilling fluid for wells.  
M.

63 Items

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  - Progress Reports
  - Search Folders
- KIF Projects - Closed
- KIF Projects - General Information
- KIF SCP HQ (KIF530)

63 Items

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**12/14/2004**  
Petty, Harold L.  
FW: Attachment from Neil Davies  
Here are Mark's comments that I promised to forward to all.  
Thanks, Lynn

**12/13/2004**  
Purkey, Ronald E.  
RE: Attachment from Neil Davies  
I thought the what are we charging this to was a Haber question  
-----Original Message-----

**12/13/2004**  
Haber, Stanley M.  
RE: Attachment from Neil Davies  
Thanks. What project are we planning on charging this to (and how much will it be?)  
-----Original Message-----

**12/13/2004**  
Petty, Harold L.  
FW: Attachment from Neil Davies  
Stan:  
FYI. This came out of the meeting last Wednesday.  
Thanks, Lynn

**12/09/2004**  
Latitude  
KIF - Seepage Analysis - Coordination Phone Call  
When: Tuesday, December 14, 2004 1:00 PM-1:30 PM (GMT-05:00) Eastern Time (US & Canada).  
\*\*\*\*\*

**12/02/2004**  
Petty, Harold L.  
Kingston Fossil Plant - Seep Analysis Kick-off Meeting  
This meeting notice is for the seepage analysis kick-off to determine common parameters and conditions for the two methods of analysis.

**11/24/2004**  
DHager@GeoSyntec.com  
EMAIL TEST FROM GEOSYNTEC IT  
I am sending this email to each of you as a test. Can you please reply to this email? If I do not receive a reply I will assume you did not receive it. Thank you

**FW: Attachment from Neil Davies**

Petty, Harold L.

To: Smith, Daniel R.; Greg McNulty (greg.mculty@parsons.com);

---

Here are Mark's comments that I promised to forward to all.

Thanks,  
Lynn

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

**From:** Boggs, J. Markus  
**Sent:** Tuesday, December 14, 2004 1:57 PM  
**To:** Petty, Harold L.  
**Subject:** FW: Attachment from Neil Davies

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

**From:** Boggs, J. Markus  
**Sent:** Monday, December 13, 2004 2:37 PM  
**To:** Petty, Harold L.  
**Cc:** Smith, Amos L; Bowers, Larry C  
**Subject:** RE: Attachment from Neil Davies

Lynn,  
My comments re work scope:

- Should indicate that borings would terminate at top of rock (approx. elevation 700 740 ft)

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    - Other
    - Progress Reports
    - Search Folders
  - KIF Projects - Closed
  - KIF Projects - General Information
  - KIF SCP HQ (VF538)

63 Items

**Peer Review**

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DHager@GeoSyntec.com 11/24/2004

EMAIL TEST FROM GEOSYNTEC IT

I am sending this email to each of you as a test. Can you please reply to this email? If I do not receive a reply I will assume you did not receive it. Thank you

---

Petty, Harold L. 11/19/2004

FW: KIF - Premeeting follow-up - Peer Review

When: Friday, November 19, 2004 3:00 PM-4:00 PM (GMT-05:00) Eastern Time (US & Canada).

Where: meet me number - 751-2428 id#4820

---

Purkey, Ronald E. 11/18/2004

KIF Geosyntec Peer review

When: Monday, November 22, 2004 9:30 AM-11:00 AM (GMT-05:00) Eastern Time (US & Canada).

Where: Plant mgr's conf room

---

Petty, Harold L. 11/18/2004

KIF - Premeeting follow-up - Peer Review

---

Hedgecoth, Melissa A. 11/18/2004

RE: Pre Plant Meetings - KIF, ISF, and GAF Ash

After our meeting today concerning Gallatin's ash disposal project, I responded to Bill Hunt's voice mail. I told Bill the following:

---

Hedgecoth, Melissa A. 11/17/2004

RE: Path Forward Document

My only comment is that we should investigate all drainage layers instead of just the upper drainage layers. I did some quick calculations on the costs for the

---

Baugh, James S. 11/17/2004

RE: Path Forward Document

See my proposed revisions. Let me know if you have any questions.

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

---

Petty, Harold L. 11/15/2004

Path Forward Document

**EMAIL TEST FROM GEOSYNTEC IT**

DHager@GeoSyntec.com

Reply


You replied on 11/24/2004 2:11 AM.

To: Bowers, Larry C; Ifcambell@tva.gov; Catlett, James H; mclcrane@tva.gov; eldeskin@tva.gov; Haber,

Cc: GEOSYNTEC CONSULTANTS INC Attn: R NEIL DAVIES; Mchone, David B

I am sending this email to each of you as a test. Can you please reply to this email? If I do not receive a reply I will assume you did not receive it. Thank you

Sincerely,  
 David Hager  
 GeoSyntec Consultants  
 Help Desk Coordinator



**Our new address is:**  
**GeoSyntec Consultants**  
 5901 Broken Sound Pkwy NW, Suite 300  
 Boca Raton, Florida 33487-2775

Direct 561-922-1010  
 Office 561-995-0900 ext 1010  
 IT Fax 561-922-1102  
[www.geosyntec.com](http://www.geosyntec.com)

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      - Scope
  - KIF531 (Replace Kennedy Weir)
    - Other
    - Progress Reports
    - Search Folders
  - KIF Projects - Closed
  - KIF Projects - General Information
  - KIF SCP 10 (KIF538)

63 Items

### Peer Review

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- Petty, Harold L.** 11/15/2004  
Path Forward Document  
Attached is a Preliminary Path Forward Document. The intent is to insure we are on the same page for the meeting at KIF next Tuesday. This will be our talking points.
- Petty, Harold L.** 11/10/2004  
Conference call to GeoSyntec - Clarify Gyp/Ash Co-management to prepare for KIF- Peer Review at Plant; JSF - Peer Study Premeeting, and GAF - Ash Storage Project. <end>
- Petty, Harold L.** 11/10/2004  
Pre Plant Meetings - KIF, JSF, and GAF Ash Meeting to prepare for KIF- Peer Review at Plant; JSF - Peer Study Premeeting, and GAF - Ash Storage Project. <end>
- Purkey, Ronald E.** 11/09/2004  
KIF - By Product Disposal - Meeting on Peer Review R...  
When: Wednesday, November 10, 2004 8:00 AM-12:00 PM (GMT-05:00) Eastern Time (US & Canada),  
Where: LP 5N C06
- Purkey, Ronald E.** 10/29/2004  
Geotechnical Engineering peer review studies at A...  
I have attached a revised matrix of the various studies for your information. Please note plant presentation date changes. Thanks.
- Powell, Ronald D.** 10/12/2004  
KIF Gypsum Stud. Rev: Review - Weekly Telecons  
Those listed:  
Please note that the subject telecons described in the attachment are scheduled for each Monday at 1PM
- Latitude** 10/12/2004  
FW: Meeting: Powell (Meeting ID: 6912)  
When: Tuesday, October 12, 2004 1:30 PM-2:30 PM (GMT-05:00) Eastern Time (US & Canada).  
\*\*\*\*\*
- Powell, Ronald D.** 10/08/2004

### Path Forward Document

Petty, Harold L.

To: Purkey, Ronald E.; Baugh, James S.; Haber, Stanley M.; Hedgecoth, Melissa A.; Bowers, Larry C;

Attachments: path forward from Nov 23rd.doc (31 KB)

Attached is a Preliminary Path Forward Document. The intent is to insure we are on the same page for the meeting at KIF next Tuesday. This will be our talking points at that meeting.

Please review and send me any comments by Noon Wednesday. I will incorporate comments, reprint copies, and bring to the meeting this Thursday morning.

Thanks,  
Lynn

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  - KTE GCP 119 (VF532)

**Peer Review**

Arranged By: Date Newest on top

- Powell, Ronald D. 10/08/2004  
 Fw: Weekly Telecon  
 Original Message  
 From: Powell, Ronald D.  
 Sent: Friday, October 08, 2004 5:39 PM
- Purkey, Ronald E. 10/07/2004  
 Fw: Geotechnical Engineering studies at ALF; JOF;...  
 the study costs went up 3500.  
 -----Original Message-----  
 From: Purkey, Ronald E.
- Purkey, Ronald E. 10/04/2004  
 RE: Geotechnical Engineering studies at ALF; JOF; JS...  
 Stan, I got the short codes from Jeremy Nelson earlier  
 and did not realize you were involved. Ron  
 -----Original Message-----
- Haber, Stanley M. 10/04/2004  
 Fw: Geotechnical Engineering studies at ALF; JOF;...  
 Ron,  
 It would be easier to keep the budget straight if you  
 kept me in the loop on this. We just turned in the Phase
- Davis, Michael D. 10/04/2004  
 Fw: Geotechnical Engineering studies at ALF; JOF;...  
 FYI include in your respective budgets  
 Michael D. Davis Manager Yard Operations - Projects &  
 Engineering Office (423) 751 - 7864 Mobile (423) 240 -
- Petty, Harold L. 09/28/2004  
 Fw: ALF; KIF; AND JSF TRIPS FOR PEER REVIEW  
 Stan:  
 fyi  
 Lynn
- Bowers, Larry C. 09/27/2004  
 RE: Update to plant management at KIF  
 Draft HydroGeo report is being reviewed by GeoSyntec  
 and comments are due this week. Report will be  
 delivered to TDEC on 10-13-04 after the meeting on

**FW: Weekly Telecon**

Powell, Ronald D.

To: Petty, Harold L.; Radford, Larry D.; Bowers, Larry C;  
 Smith, Amos L; Baugh, James S.; Purkey, Ronald E.;

---

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

**From:** Powell, Ronald D.  
**Sent:** Friday, October 08, 2004 5:39 PM  
**To:** 'NDavies@GeoSyntec.com'  
**Subject:** RE: Weekly Telecon

Neil,  
 That is correct. We will have the telecon at 1pm  
 tuesday.  
 Ron

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

**From:** NDavies@GeoSyntec.com  
 [mailto:NDavies@GeoSyntec.com]  
**Sent:** Friday, October 08, 2004 2:01 PM  
**To:** Powell, Ronald D.  
**Subject:** FW: Weekly Telecon

Ron,  
 I assume that Kingston will also be  
 postponed to Tuesday. Can you please  
 confirm this?

Neil

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Bowers, Larry C 09/27/2004  
RE: Update to plant management at KIF  
Draft HydroGeo report is being reviewed by GeoSyntec and comments are due this week. Report will be delivered to TDEC on 10-13-04 after the meeting on

Hedgecoth, Melissa A. 09/27/2004  
Update to plant management at KIF  
At the last meeting with KIF plant management concerning the long term by-product disposal design / permit. Earl Deskins requested a short e-mail be sent

Auguste, Myriam B. 09/22/2004  
FW: KIF530 (Develop Ash capacity): Request for PA  
According to the schedule phase 2 will be completed on 4-15-05, but we are requesting \$295k in FY06, and \$2830k in FY07 for phase 2. Please let me know which

Auguste, Myriam B. 09/22/2004  
RE: KIF530 (Develop Ash capacity): Request for PA  
The PJ and the PA do not match.  
-----Original Message-----  
From: Haber, Stanley M.

Deskins, Earl L 09/22/2004  
FW: Ash Pond Meeting to bring GEOTECH out to begi...  
-----Original Appointment-----  
From: Long, Theresa L. On Behalf Of Deskins, Earl L  
Sent: Friday, September 03, 2004 12:28 PM

Nelson, Jeremy M. 08/19/2004  
RE: KIF, JSF, JOF, AND ALF - Request to obtain geot...  
Y004SY5ASH04  
Jeremy Nelson Business Analyst Consultant Fossil Power Group Tennessee Valley Authority

Purkey, Ronald E. 08/18/2004  
RE: KIF, JSF, JOF, AND ALF - Request to obtain geot...  
Jeremy, Please answer. Thanks  
-----Original Message-----  
From: Haber, Stanley M.

**RE: Update to plant management at KIF**

Bowers, Larry C

To: Hedgecoth, Melissa A.; Baugh, James S.; Petty, Harold L.; Purkey, Ronald E.; Powell, Ronald D.; Smith,

Draft HydroGeo report is being reviewed by GeoSyntec and comments are due this week. Report will be delivered to TDEC on 10-13-04 after the meeting on BRF. It is expected that TDEC may want to discuss the KIF application at this meeting.

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

**From:** Hedgecoth, Melissa A.  
**Sent:** Monday, September 27, 2004 3:43 PM  
**To:** Baugh, James S.; Petty, Harold L.; Bowers, Larry C; Purkey, Ronald E.; Powell, Ronald D.; Smith, Amos L; Haber, Stanley M.; Radford, Larry D.; Settles, James T; Lowery, Kenny R.  
**Subject:** Update to plant management at KIF

At the last meeting with KIF plant management concerning the long term by-product disposal design / permit. Earl Deskins requested a short e-mail be sent out every month with a list of things that have been done since we last talked. Steve Baugh took that action item and has asked me to send out this e-mail to request input on the status of this project.



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  - Search Folders
- KIF Projects - Closed
- KIF Projects - General Information
- KIF SCR 110 (MFS32)

63 Items

**Peer Review**

Arranged By: Date Newest on top

**Purkey, Ronald E.** 08/16/2004  
KIF, JSF, JOF, AND ALF - Request to obtain geotechnical consultants  
David,  
I have attached the TAO forms for 4 tasks for consultants per our discussion last week as follows:

**Petty, Harold L.** 08/13/2004  
RE: Geotechnical reviews of KIF, JSF, JOF, ALF - Data...  
Please assemble the data per Ron's request. I will place two Xerox type boxes in the civil work area. One marked for civil storage and one marked for sending out.

**Lundy, Dennis L.** 07/02/2004  
Updated: KIF Ash Pond Letter (Haber/Lundy/Wiggall/...)

**Haber, Stanley M.** 07/02/2004  
RE: Updated: KIF Ash Pond Letter (Haber/Lundy/Wig...  
July 12, 14, 15, and 16 are all open for me.  
-----Original Message-----  
From: Fields, S. Renee

**Fields, S. Renee** 07/01/2004  
RE: Updated: KIF Ash Pond Letter (Haber/Lundy/Wig...  
When would you like for me to move it?  
Renee  
-----Original Appointment-----

**Lundy, Dennis L.** 06/29/2004  
Updated: KIF Ash Pond Letter (Haber/Lundy/Wiggall/...  
When: Friday, July 02, 2004 12:00 PM-1:00 PM (GMT-05:00) Eastern Time (US & Canada).  
Where: Dennis' office

**Lundy, Dennis L.** 06/28/2004  
KIF Ash Pond Letter (Haber/Lundy/Wiggall/Purkey)  
When: Friday, July 02, 2004 11:00 AM-12:00 PM (GMT-05:00) Eastern Time (US & Canada).  
Where: Dennis' office

**RE: KIF, JSF, JOF, AND ALF - Request to obtain geotechnical consultants**

Purkey, Ronald E.

To: Haber, Stanley M.; Nelson, Jeremy M.

Jeremy,  
Please answer. Thanks

-----Original Message-----  
**From:** Haber, Stanley M.  
**Sent:** Wednesday, August 18, 2004 3:00 PM  
**To:** Purkey, Ronald E.  
**Cc:** Auguste, Myriam B.; Tolliver, Sherry D.; Holmes, James B.  
**Subject:** RE: KIF, JSF, JOF, AND ALF - Request to obtain geotechnical consultants

Ron,

What project is this set up against?

Stan

-----Original Message-----  
**From:** Purkey, Ronald E.  
**Sent:** Wednesday, August 18, 2004 12:30 PM  
**To:** Thomas, Stacci P.; Petty, Harold L.; Sutton, Michael E.; Evans, Kelly E.; Elder, B. Keith;

**Haber, Stanley M**

---

**From:** Welch, Rita A.  
**Sent:** Monday, February 28, 2005 1:26 PM  
**To:** Petty, Harold L.; Purkey, Ronald E.; Haber, Stanley M.  
**Subject:** TAO 0710-2A, MACTEC, KIF- Piezometer Installation  
**Attachments:** tao\_print\_cvr\_word.doc

SUBJECT TAO APPROVED.

03/14/2009

TVA-00027859

Proposal Number :

Scope Change Number : 2A

WO/JO Number :

Letter Number :

**TENNESSEE VALLEY AUTHORITY  
TASK ASSIGNMENT ORDER (TAO)**

CONTRACT NUMBER : 00021705

LEAD : Lynn Petty

CONTRACTOR : MACTEC Engineering

TECHNICAL MGR. : Ron Purkey

TASK NUMBER : Mac - 0710 - 00068

EFFECTIVE BEGIN DATE : 12/20/04

REVISION NUMBER : 02

CURRENT END DATE : 3/31/05

PHASE :

PLANT : Kingston Fossil Plant

PROJECT : Piezometer Installation

TASK DESCRIPTION : 6 pairs of piezometers for ash dike investigation

DESCRIPTION OF REVISION: Revised to add well development back to scope.

FEE TYPE APPLICABLE TO THIS TAO :

Performance Award Fee

Fixed Price Fee - Managed

Fixed Percentage Type

Fixed-Percentage Fee =====>  Staff Augmentation  Field Support

No fee applies to this task

**TASK SUMMARY**

	Previous Revision		Net Change		Total task Authorization
Negotiated Estimated Cost	\$69,120	+	\$7,524	=	\$76,644
Fixed Fee	\$0	+	\$0	=	\$0
Earned Award Fee To Date	\$0	+	\$0	=	\$0
Available Award Fee	\$0	+	\$0	=	\$0
<b>Total Estimated Price</b>	<b>\$69,120</b>	<b>+</b>	<b>\$7,524</b>	<b>=</b>	<b>\$76,644</b>

TVA SHORT CODE **001D9VR** PCN \_\_\_\_\_

LOCATION CODE \_\_\_\_\_ PERFORMING  
UNIT

**APPROVED BY:**

\_\_\_\_\_  
TVA Contract Administrator

\_\_\_\_\_  
Date

DISTRIBUTION:

Partner (cc)  
Eng.

Lead

2/28/2005

**Haber, Stanley M**

---

**From:** Petty, Harold L.  
**Sent:** Friday, February 04, 2005 6:50 AM  
**To:** Petty, Harold L.; Daniel.R.Smith@worleyparsons.com; eGreg.McNulty@parsons.com; Boggs, J. Markus; Smith, Amos L; Bowers, Larry C; GEOSYNTEC CONSULTANTS INC Attn: R NEIL DAVIES; TEIkady@GeoSyntec.com; Purkey, Ronald E.; Haber, Stanley M.  
**Subject:** Kingston Fossil Plant - Tuesday phone call

A conflict with our Tuesday (2/8/05) 1 PM phone call has come up that is unavoidable for us at TVA Chattanooga. Before I go randomly moving that time around I would like to propose that we move it to **2:30 PM** on that same Tuesday. Is there anybody that cannot make that time? If all can make that new time I will resend a meeting notice out.

Thanks,  
Lynn

03/14/2009

TVA-00027862

**Haber, Stanley M**

---

**From:** Petty, Harold L.  
**Sent:** Friday, February 04, 2005 6:50 AM  
**To:** Petty, Harold L.; Daniel.R.Smith@worleyparsons.com; eGreg.McNulty@parsons.com; Boggs, J. Markus; Smith, Amos L; Bowers, Larry C; GEOSYNTEC CONSULTANTS INC Attn: R NEIL DAVIES; TEIkady@GeoSyntec.com; Purkey, Ronald E.; Haber, Stanley M.  
**Subject:** Kingston Fossil Plant - Tuesday phone call

A conflict with our Tuesday (2/8/05) 1 PM phone call has come up that is unavoidable for us at TVA Chattanooga. Before I go randomly moving that time around I would like to propose that we move it to **2:30 PM** on that same Tuesday. Is there anybody that cannot make that time? If all can make that new time I will resend a meeting notice out.

Thanks,  
Lynn

03/14/2009

TVA-00027863

## Haber, Stanley M

---

**Subject:** FW: Meeting: Petty {Meeting ID: 6704}  
**Start:** Tue 02/08/2005 1:00 PM  
**End:** Tue 02/08/2005 2:30 PM  
**Show Time As:** Tentative  
**Recurrence:** Weekly  
**Meeting Status:** Not yet responded

Here is the Tuesday 1 pm phone call arrangements. This is the recurring phone call to maintain coordination and allow good communications as we move through the analysis.

Thanks,  
Lynn

-----Original Appointment-----

**From:** Latitude  
**Sent:** Wednesday, February 02, 2005 7:44 AM  
**To:** Latitude; Petty, Harold L.  
**Subject:** Meeting: Petty {Meeting ID: 6704}  
**When:** Occurs every Tuesday effective 02/08/2005 until 02/22/2005 from 1:00 PM to 2:30 PM (GMT-05:00) Eastern Time (US & Canada).  
**Where:**

Harold Petty has invited you to a MeetingPlace e-Conference (Mtg ID 6704) on MeetingPlace, February 08, 2005 at 01:00 PM America/New\_York. If provided, use the following password:

To attend from your PC:

- 1) Launch the attached "Click to Attend" web link, or browse to <http://latitude.cha.tva.gov> & enter Mtg ID 6704  
A MeetingPlace web page appears.
- 2) Click Join Voice & enter your phone number
- 3) Click Join Data

Alternatively, call 423-751-2428 or . Enter Mtg ID 6704 when prompted.

For more info about this MeetingPlace e-Conference, contact: Harold Petty,

"Click to Attend" Web Link:

<http://latitude/attend/FeEkfPmBpDlLeNjaJnCIIIjIfmDnfcjgFbKjMdjoFlopmpilapbdPIMdalgdplnKoEdFpmmAdOaMfDbpAkabhKoEhFcChPldaiJhfkiniachf>

**Haber, Stanley M**

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**From:** McNulty, Greg [eGreg.McNulty@parsons.com]  
**Sent:** Tuesday, January 25, 2005 1:18 PM  
**To:** Petty, Harold L.; GEOSYNTEC CONSULTANTS INC Attn: R NEIL DAVIES; Boggs, J. Markus; Smith, Daniel R.; Boggs, J. Markus; Smith, Amos L; Bowers, Larry C  
**Cc:** Purkey, Ronald E.; Haber, Stanley M.; TElkady@geosyntec.com  
**Subject:** Tamer Y. Elkady, Ph.D. Email adress

Tamer Y. Elkady, Ph.D. Email adress [TElkady@GeoSyntec.com](mailto:TElkady@GeoSyntec.com)

---

**From:** Petty, Harold L. [mailto:hpetty@tva.gov]  
**Sent:** Tuesday, January 18, 2005 1:08 PM  
**To:** GEOSYNTEC CONSULTANTS INC Attn: R NEIL DAVIES; Boggs, J. Markus; McNulty, Greg; Smith, Daniel R.; Boggs, J. Markus; Smith, Amos L; Bowers, Larry C; Petty, Harold L.  
**Cc:** Purkey, Ronald E.; Haber, Stanley M.  
**Subject:** Kingston Fossil Plant

When: Monday, January 31, 2005 10:00 AM-2:00 PM (GMT-05:00) Eastern Time (US & Canada).  
Where: LP 1S - Livewell A (kitchen)

\*~\*~\*~\*~\*~\*~\*~\*~\*~\*

Kingston Fossil Plant - Dredge Cell - Modeling Parameters - Team Meeting



## Haber, Stanley M

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**Subject:** FW: Meeting: Petty {Meeting ID: 6704}  
**Start:** Tue 01/25/2005 1:00 PM  
**End:** Tue 01/25/2005 1:30 PM  
**Show Time As:** Tentative  
**Recurrence:** (none)  
**Meeting Status:** Not yet responded

-----Original Appointment-----

**From:** Latitude  
**Sent:** Friday, January 21, 2005 4:24 PM  
**To:** Latitude; Petty, Harold L.  
**Subject:** Meeting: Petty {Meeting ID: 6704}  
**When:** Tuesday, January 25, 2005 1:00 PM-1:30 PM (GMT-05:00) Eastern Time (US & Canada).  
**Where:**

Harold Petty has invited you to a MeetingPlace e-Conference (Mtg ID 6704) on MeetingPlace, January 25, 2005 at 01:00 PM America/New\_York. If provided, use the following password:

To attend from your PC:

- 1) Launch the attached "Click to Attend" web link, or browse to <http://latitude.cha.tva.gov> & enter Mtg ID 6704  
A MeetingPlace web page appears.
- 2) Click Join Voice & enter your phone number
- 3) Click Join Data

Alternatively, call 423-751-2428 or . Enter Mtg ID 6704 when prompted.

For more info about this MeetingPlace e-Conference, contact: Harold Petty,

"Click to Attend" Web Link:

<http://latitude/attend/FeEkfPmBpDgKjoCbfcNjJlIbNmEhkDbKekofdhJnDaLdlpcpDndHdNkEooieDalgAjlkkKahpiHdNoEdAfLpidoFlopmodhhphg>

**Haber, Stanley M**

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**From:** Welch, Rita A.  
**Sent:** Friday, January 21, 2005 12:27 PM  
**To:** Schenk, Karen  
**Cc:** Wagonseller, Randy L.; Powell, Ronald D.; Purkey, Ronald E.; Petty, Harold L.; Haber, Stanley M.  
**Subject:** TAO 0201-0A, PARSONS, KIF- Dredge Cell Lateral Expansion  
**Attachments:** tao\_print\_cvr\_word.doc

SUBJECT TAO DISAPPROVED.

NOTE: Please re-submit as Phase 1 work.

03/14/2009

TVA-00027867

Proposal Number :

Scope Change Number : 0A

WO/JO Number :

Letter Number : PP-0140-PR-C

**TENNESSEE VALLEY AUTHORITY  
TASK ASSIGNMENT ORDER (TAO)**

CONTRACT NUMBER : 00038553

LEAD : Ron Powell

CONTRACTOR : Parsons

TECHNICAL MGR. : Ron Purkey

TASK NUMBER : Par - 0201 - RPT0201

EFFECTIVE BEGIN DATE : 10/1/04

REVISION NUMBER : 00

CURRENT END DATE : 9/30/05

PHASE : 2

PLANT : Kingston Fossil Plant

PROJECT : Dredge Cell Lateral Expansion

TASK DESCRIPTION : Permit Support

DESCRIPTION OF REVISION: Initial Authorization

FEE TYPE APPLICABLE TO THIS TAO :

Performance Award Fee

Fixed Price Fee - Managed

Fixed Percentage Type

Fixed-Percentage Fee =====> Staff Augmentation    Field Support

No fee applies to this task

**TASK SUMMARY**

	Previous Revision		Net Change		Total task Authorization
Negotiated Estimated Cost	\$0	+	\$0	=	\$0
Fixed Fee	\$0	+	\$0	=	\$0
Earned Award Fee To Date	\$0	+	\$0	=	\$0
Available Award Fee	\$0	+	\$0	=	\$0
<b>Total Estimated Price</b>	<b>\$0</b>	<b>+</b>	<b>\$0</b>	<b>=</b>	<b>\$0</b>

TVA SHORT CODE \_\_\_\_\_ PCN **KIF530**

LOCATION CODE \_\_\_\_\_ PERFORMING  
UNIT \_\_\_\_\_

**APPROVED BY:**

\_\_\_\_\_  
TVA Contract Administrator

\_\_\_\_\_  
Date

DISTRIBUTION:

Partner (cc)

Lead Eng.

1/21/2005

**Haber, Stanley M**

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**From:** Welch, Rita A.  
**Sent:** Thursday, January 20, 2005 2:47 PM  
**To:** Petty, Harold L.; Purkey, Ronald E.; Haber, Stanley M.  
**Subject:** TAO 0710-1A, MACTEC, KIF-Piezometer Installation  
**Attachments:** tao\_print\_cvr\_word.doc

SUBJECT TAO APPROVED.

Proposal Number :

Scope Change Number : 1A

WO/JO Number :

Letter Number :

**TENNESSEE VALLEY AUTHORITY  
TASK ASSIGNMENT ORDER (TAO)**

CONTRACT NUMBER : 00021705

LEAD : Lynn Petty

CONTRACTOR : MACTEC Engineering

TECHNICAL MGR. : Ron Purkey

TASK NUMBER : Mac - 0710 - 00068

EFFECTIVE BEGIN DATE : 12/20/04

REVISION NUMBER : 01

CURRENT END DATE : 3/31/05

PHASE :

PLANT : Kingston Fossil Plant

PROJECT : Piezometer Installation

TASK DESCRIPTION : 6 pairs of piezometers for ash dike investigation

DESCRIPTION OF REVISION: Revise scope & Date change on B-3 Re-Drill B-4 @ Location Staked.

FEE TYPE APPLICABLE TO THIS TAO :

Performance Award Fee

Fixed Price Fee - Managed

Fixed Percentage Type

Fixed-Percentage Fee =====>  Staff Augmentation  Field Support

No fee applies to this task

**TASK SUMMARY**

	Previous Revision		Net Change		Total task Authorization
Negotiated Estimated Cost	\$61,000	+	\$8,120	=	\$69,120
Fixed Fee	\$0	+	\$0	=	\$0
Earned Award Fee To Date	\$0	+	\$0	=	\$0
Available Award Fee	\$0	+	\$0	=	\$0
<b>Total Estimated Price</b>	<b>\$61,000</b>	<b>+</b>	<b>\$8,120</b>	<b>=</b>	<b>\$69,120</b>

TVA SHORT CODE 001D9VR PCN \_\_\_\_\_

LOCATION CODE \_\_\_\_\_ PERFORMING  
UNIT

**APPROVED BY:**

\_\_\_\_\_  
TVA Contract Administrator

\_\_\_\_\_  
Date

DISTRIBUTION:

Partner (cc)  
Eng.

Lead

1/20/2005

Accepted by Haber, Stanley M. on 01/18/2005 at 12:04 PM  
This appointment occurs in the past

From: Petty, Harold L. Sent: Tue 01/18/2005 2:08 PM  
Required: GEOSYNTEC CONSULTANTS INC Attn: R NEIL DAVIES; Boggs, J. Markus; McNulty, Greg; Smith, Daniel R.; Boggs, J. Markus; Smith, Amos L; Bowers, Larry C; Petty, Harold L.  
Optional: Purkey, Ronald E.; Haber, Stanley M.  
Subject: Kingston Fossil Plant  
Location: LP 15 - Livewell A (kitchen)  
When: Monday, January 31, 2005 10:00 AM-2:00 PM.

Kingston Fossil Plant - Dredge Cell - Modeling Parameters - Team Meeting

I



This appointment appears in the past.

From: Petty, Harold L. on behalf of Latitude  
Sent: Mon 01/17/2005 3:44 PM  
Required: Smith, Daniel R.; Greg McNulty (greg.mculty@parsons.com); GEOSYNTEC CONSULTANTS INC Attn: R NEIL DAVIES; Smith, Amos L; Purkey, Ronald E.; Bowers, Larry C; Boggs, J. Markus; Haber, Stanley M.; Carl Tockstein (ctockstein@mactec.com); Benkhayat, Hussein; Sam Stone @ Mactec (sdstone2@mactec.com); sdstonejr@msn.com  
Optional:  
Subject: FW: Meeting: Petty (Meeting ID: 6704)  
Location:  
When: Tuesday, January 18, 2005 1:00 PM-2:30 PM (GMT-05:00) Eastern Time (US & Canada).

-----Original Appointment-----

From: Latitude  
Sent: Monday, January 17, 2005 3:39 PM  
To: Latitude; Petty, Harold L.  
Subject: Meeting: Petty (Meeting ID: 6704)  
When: Tuesday, January 18, 2005 1:00 PM-2:30 PM (GMT-05:00) Eastern Time (US & Canada).  
Where:

Harold Petty has updated MeetingPlace e-Conference 6704 on MeetingPlace, scheduled for January 18, 2005 at 01:00 PM America/New\_York. If provided, use the following password:

To attend from your PC:

- 1) Launch the attached "Click to Attend" web link, or browse to <http://latitude.cha.tva.gov> & enter Mtg ID 6704  
A MeetingPlace web page appears.
- 2) Click Join Voice & enter your phone number
- 3) Click Join Data

Alternatively, call 423-751-2428 or . Enter Mtg ID 6704 when prompted.

For more info about this MeetingPlace e-Conference, contact: Harold Petty,

"Click to Attend" Web Link:

<http://latitude/attend/FeEkfPmBpDgKjoCbfcNjJlIbNmEhkDbKekoiaJnDaLdlpcpDndHdNkEooieDalgAjlkkKahpiHdNoEdAflpldoFlopnmjkbkgo>

This appointment is shown in the page:

From: Petty, Harold L. on behalf of Latitude Sent: Fri 01/14/2005 9:26 AM  
 Required: Smith, Daniel R.; 'Greg McNulty (greg.mcnulty@parsons.com)'; GEOSYNTEC CONSULTANTS INC Attn: R NEIL DAVIES; Smith, Amos L.; Purkey, Ronald E.; Bowers, Larry C; Boggs, J. Merkus; Haber, Stanley M.; Carl Tockstein (cdtockstein@mactec.com); Benkhayal, Hussein; Sam Stone @ Mactec (sdstone2@mactec.com); sdstonejr@msn.com  
 Optional:  
 Subject: FW: Meeting: Petty (Meeting ID: 6704)

Location:  
 When: Monday, January 17, 2005 3:00 PM-4:30 PM (GMT-05:00) Eastern Time (US & Canada).

Here is the set up for Monday's phone call

Thanks,  
Lynn

-----Original Appointment-----

**From:** Latitude  
**Sent:** Friday, January 14, 2005 9:24 AM  
**To:** Latitude; Petty, Harold L.; Petty, Harold L.  
**Subject:** Meeting: Petty (Meeting ID: 6704)  
**When:** Monday, January 17, 2005 3:00 PM-4:30 PM (GMT-05:00) Eastern Time (US & Canada).  
**Where:**

Harold Petty has invited you to a MeetingPlace e-Conference (Mtg ID 6704) on MeetingPlace, January 17, 2005 at 03:00 PM America/New\_York. If provided, use the following password:

To attend from your PC:

- 1) Launch the attached "Click to Attend" web link, or browse to <http://latitude.cha.tva.gov> & enter Mtg ID 6704  
A MeetingPlace web page appears.
- 2) Click Join Voice & enter your phone number
- 3) Click Join Data

Alternatively, call 423-751-2428 or . Enter Mtg ID 6704 when prompted.

For more info about this MeetingPlace e-Conference, contact: Harold Petty,

"Click to Attend" Web Link:

<http://latitude/attend/FeEkfPmBpDgKjocBfcNjJlbnmEhkDbKekeojccJnDaLdlppDndHdNkEooieDaigAjlkkKahpiHdNoEdAflpldoFlopnmhchpdp>

**Haber, Stanley M**

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**From:** Welch, Rita A.  
**Sent:** Thursday, January 06, 2005 1:07 PM  
**To:** Petty, Harold L.; Purkey, Ronald E.; Haber, Stanley M.  
**Subject:** TAO 0710-0A, MACTEC, KIF- Piezometer Installation  
**Attachments:** tao\_print\_cvr\_word.doc

SUBJECT TAO APPROVED.

03/14/2009

TVA-00027876

Proposal Number :

Scope Change Number : 0A

WO/JO Number :

Letter Number :

**TENNESSEE VALLEY AUTHORITY  
TASK ASSIGNMENT ORDER (TAO)**

CONTRACT NUMBER : 00021705

LEAD : Lynn Petty

CONTRACTOR : MACTEC Engineering

TECHNICAL MGR. : Ron Purkey

TASK NUMBER : Mac - 0710 - 00068

EFFECTIVE BEGIN DATE : 12/20/2004

REVISION NUMBER : 00

CURRENT END DATE : 01/31/2005

PHASE :

PLANT : Kingston Fossil Plant

PROJECT : Piezometer Installation

TASK DESCRIPTION : 6 pairs of piezometers for ash dike investigation

DESCRIPTION OF REVISION: Initial Authorization

FEE TYPE APPLICABLE TO THIS TAO :

Performance Award Fee

Fixed Price Fee - Managed

Fixed Percentage Type

Fixed-Percentage Fee =====>  Staff Augmentation  Field Support

No fee applies to this task

**TASK SUMMARY**

	Previous Revision		Net Change		Total task Authorization
Negotiated Estimated Cost	\$0 +		\$61,000 =		\$61,000
Fixed Fee	\$0 +		\$0 =		\$0
Earned Award Fee To Date	\$0 +		\$0 =		\$0
Available Award Fee	\$0 +		\$0 =		\$0
<b>Total Estimated Price</b>	<b>\$0 +</b>		<b>\$61,000 =</b>		<b>\$61,000</b>

TVA SHORT CODE 001D9VR PCN \_\_\_\_\_

LOCATION CODE \_\_\_\_\_ PERFORMING  
UNIT

**APPROVED BY:**

\_\_\_\_\_  
TVA Contract Administrator

\_\_\_\_\_  
Date

DISTRIBUTION:

Partner (cc)  
Eng.

Lead  
1/6/2005

Accepted by Haber, Stanley M. on 01/03/2005 1:01 PM  
The appointment occurs in the past.

From: Petty, Harold L. on behalf of Latitude  
Required: Smith, Daniel R.; Greg McNulty (greg.mculty@parsons.com); GEOSYNTEC CONSULTANTS INC Attn: R NEIL DAVIES; Smith, Amos L; Purkey, Ronald E.; Bowers, Larry C; Boggs, J. Markus; Haber, Stanley M.; Carl Tockstein (ctockstein@mactec.com); Benkhayal, Hussein; Sam Stone @ Mactec (sdstone2@mactec.com); sdstonejr@msn.com  
Optional:  
Subject: FW: Meeting: Petty (Meeting ID: 6704)

Location:  
When: Tuesday, January 04, 2005 1:00 PM-2:00 PM (GMT-05:00) Eastern Time (US & Canada).

Here's the recurring Tuesday update call.

Thanks,  
Lynn

-----Original Appointment-----  
From: Latitude  
Sent: Monday, January 03, 2005 12:59 PM  
To: Latitude; Petty, Harold L.  
Subject: Meeting: Petty (Meeting ID: 6704)  
When: Tuesday, January 04, 2005 1:00 PM-2:00 PM (GMT-05:00) Eastern Time (US & Canada).  
Where:

Harold Petty has invited you to a MeetingPlace e-Conference (Mtg ID 6704) on MeetingPlace, January 04, 2005 at 01:00 PM America/New\_York. If provided, use the following password:

To attend from your PC:

- 1) Launch the attached "Click to Attend" web link, or browse to <http://latitude.cha.tva.gov> & enter Mtg ID 6704  
A MeetingPlace web page appears.
- 2) Click Join Voice & enter your phone number
- 3) Click Join Data

Alternatively, call 423-751-2428 or . Enter Mtg ID 6704 when prompted.

For more info about this MeetingPlace e-Conference, contact: Harold Petty,

"Click to Attend" Web Link:  
[http://latitude/attend/FaFkfPmRnDnKioChfcNiIilhNmFhkDhKakalmoInDal\\_nlncnDndHdNkEnnieDaloAilkkKahoiHdNnFrdAfI\\_nldnFlonmmheaihh](http://latitude/attend/FaFkfPmRnDnKioChfcNiIilhNmFhkDhKakalmoInDal_nlncnDndHdNkEnnieDaloAilkkKahoiHdNnFrdAfI_nldnFlonmmheaihh)

The appointment occurs in the past.

From: Petty, Harold L. on behalf of Latitude Sent: Fri 12/17/2004 2:06 PM
Required: Smith, Daniel R.; 'Greg McNulty (greg.mculty@parsons.com)'; GEOSYNTEC CONSULTANTS INC Attn: R NEIL DAVIES; Smith, Amos L; Purkey, Ronald E.; Bowers, Larry C; Boggs, J. Markus; Haber, Stanley M.; Carl Tockstein (ctockstein@mactec.com); Benkhayal, Hussein; Sam Stone @ Mactec (sdstone2@mactec.com); sdstonejr@msn.com
Optional:
Subject: FW: Meeting: Petty (Meeting ID: 6704)

Location:
When: Tuesday, December 28, 2004 1:00 PM-2:00 PM (GMT-05:00) Eastern Time (US & Canada).

Here is the revised call:

Mactec has been tasked to install the piezometers. Installation is scheduled to begin Jan 03, 2005. There is nothing to be gained from a teleconference 12/21/04; therefore we will cancel that call.

I will set up a conference call for the following Tuesday 12/28/04 at 1 PM. (same meeting ID)

The purpose of that call will be:

- 1. Update the status (schedule) of Mactec's work
2. Confirm our roles for the following week.

Thanks,
Lynn

-----Original Appointment-----

From: Latitude
Sent: Friday, December 17, 2004 1:57 PM
To: Latitude; Petty, Harold L.
Subject: Meeting: Petty (Meeting ID: 6704)
When: Tuesday, December 28, 2004 1:00 PM-2:00 PM (GMT-05:00) Eastern Time (US & Canada).
Where:

Harold Petty has invited you to a MeetingPlace e-Conference (Mtg ID 6704) on MeetingPlace, December 28, 2004 at 01:00 PM America/New\_York. If provided, use the following password:

To attend from your PC:

1) Launch the attached "Click to Attend" web link, or browse to http://latitude.cha.tva.gov & enter Mtg ID 6704
A MeetingPlace web page appears.

2) Click Join Voice & enter your phone number

This appointment is on the calendar

From: Petty, Harold L. on behalf of Latitude Sent: Fri 12/17/2004 2:03 PM
Required: Smith, Daniel R.; Greg McNulty (cgreg.mcnulty@parsons.com); GEOSYNTEC CONSULTANTS INC Attn: R NEIL DAVIES; Smith, Amos L; Purkey, Ronald E.; Bowers, Larry C; Boggs, J. Markus; Haber, Stanley M.; Carl Tockstein (cdtockstein@mactec.com); Benkhayal, Hussein; Sam Stone @ Mactec (sdstone2@mactec.com); sdstonejr@msn.com
Optional:
Subject: FW: Meeting: KIF - Seepage {Meeting ID: 6704}

Location:
When: Tuesday, December 21, 2004 1:00 PM-2:30 PM (GMT-05:00) Eastern Time (US & Canada).

Mactec has been tasked to install the piezometers. Installation is scheduled to begin Jan 03, 2005. There is nothing to be gained from a teleconference 12/21/04; therefore we will cancel that call.

I will set up a conference call for the following Tuesday 12/28/04 at 1 PM. (same meeting ID)

The purpose of that call will be:

- 1. Update the status (schedule) of Mactec's work
2. Confirm our roles for the following week.

Thanks,
Lynn

-----Original Appointment-----

From: Petty, Harold L. On Behalf Of Latitude
Sent: Tuesday, December 14, 2004 3:16 PM
To: Smith, Daniel R.; Greg McNulty (cgreg.mcnulty@parsons.com); GEOSYNTEC CONSULTANTS INC Attn: R NEIL DAVIES; Smith, Amos L; Purkey, Ronald E.; Bowers, Larry C; Boggs, J. Markus; Haber, Stanley M.; Carl Tockstein (cdtockstein@mactec.com); Benkhayal, Hussein; Sam Stone @ Mactec (sdstone2@mactec.com); sdstonejr@msn.com
Subject: FW: Meeting: KIF - Seepage {Meeting ID: 6704}
When: Tuesday, December 21, 2004 1:00 PM-2:30 PM (GMT-05:00) Eastern Time (US & Canada).
Where:

Here is the meeting announcement for next week.

Thanks,
Lynn

-----Original Appointment-----

From: Latitude
Sent: Tuesday, December 14, 2004 3:14 PM
To: Latitude; Petty, Harold L.
Subject: Meeting: KIF - Seepage {Meeting ID: 6704}
When: Tuesday, December 21, 2004 1:00 PM-2:30 PM (GMT-05:00) Eastern Time (US & Canada).



## Haber, Stanley M

---

**From:** GEOSYNTEC CONSULTANTS INC Attn: R NEIL DAVIES  
**Sent:** Thursday, December 16, 2004 2:52 PM  
**To:** Boggs, J. Markus; Petty, Harold L.  
**Cc:** Purkey, Ronald E.; Haber, Stanley M.; eGreg.McNulty@parsons.com; Smith, Daniel R.  
**Subject:** RE: Task Order Proposal for Monitoring Wells Installation - Kingston FP Ash Disposal Area

I am Ok with the approach given this clarification.

Neil

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

**From:** Boggs, J. Markus [mailto:jmboggs@tva.gov]  
**Sent:** Thursday, December 16, 2004 2:05 PM  
**To:** Petty, Harold L.  
**Cc:** Purkey, Ronald E.; Haber, Stanley M.; Neil Davies; McNulty, Greg; Smith, Daniel R.  
**Subject:** RE: Task Order Proposal for Monitoring Wells Installation - Kingston FP Ash Disposal Area

Lynn - Looks OK to me. Had a question about use of rotary wash for well installations, but talked with Hussein and he assured me that they will use only water as drilling fluid for wells.

M.

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

**From:** Petty, Harold L.  
**Sent:** Thursday, December 16, 2004 12:18 PM  
**To:** GEOSYNTEC CONSULTANTS INC Attn: R NEIL DAVIES; Boggs, J. Markus; 'McNulty, Greg'; Smith, Daniel R.  
**Cc:** Purkey, Ronald E.; Haber, Stanley M.  
**Subject:** FW: Task Order Proposal for Monitoring Wells Installation - Kingston FP Ash Disposal Area

Please review and confirm this meets our needs. I will then approve and get them mobilized.

Thanks,

Lynn

H. L. Petty, PE  
1101 Market Street  
LP 2G-C  
423-751-6704  
423-751-7094 (fax)  
423-838-1741 (mobile)

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

**From:** Moshier, Suzanne [mailto:SJMOSHIER@mactec.com]  
**Sent:** Thursday, December 16, 2004 11:10 AM  
**To:** Petty, Harold L.  
**Cc:** Benkhayal, Hussein; Stone, Sam  
**Subject:** Task Order Proposal for Monitoring Wells Installation - Kingston FP Ash Disposal Area

Please find our proposal text and cost estimate attached for this project from Hussein Benkhayal. Please distribute the proposal text as you see fit to those involved in the project; however, we ask that the cost estimate not be distributed. Thank you.

Suzanne Moshier | Senior Word Processor  
TN Marketing/Vision CRM&P Admin  
TN Chief Engineer Admin  
MACTEC Knoxville (East), TN  
865-588-8544 | Fax 865-588-8026  
sjmoshier@mactec.com | www.mactec.com

## Haber, Stanley M

---

**From:** Boggs, J. Markus  
**Sent:** Thursday, December 16, 2004 2:05 PM  
**To:** Petty, Harold L.  
**Cc:** Purkey, Ronald E.; Haber, Stanley M.; GEOSYNTEC CONSULTANTS INC Attn: R NEIL DAVIES; 'McNulty, Greg'; Smith, Daniel R.  
**Subject:** RE: Task Order Proposal for Monitoring Wells Installation - Kingston FP Ash Disposal Area

Lynn - Looks OK to me. Had a question about use of rotary wash for well installations, but talked with Hussein and he assured me that they will use only water as drilling fluid for wells.  
M.

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

From: Petty, Harold L.  
Sent: Thursday, December 16, 2004 12:18 PM  
To: GEOSYNTEC CONSULTANTS INC Attn: R NEIL DAVIES; Boggs, J. Markus; 'McNulty, Greg'; Smith, Daniel R.  
Cc: Purkey, Ronald E.; Haber, Stanley M.  
Subject: FW: Task Order Proposal for Monitoring Wells Installation - Kingston FP Ash Disposal Area

Please review and confirm this meets our needs. I will then approve and get them mobilized.

Thanks,  
Lynn  
H. L. Petty, PE  
1101 Market Street  
LP 2G-C  
423-751-6704  
423-751-7094 (fax)  
423-838-1741 (mobile)

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

From: Moshier, Suzanne [mailto:SJMOSHIER@mactec.com]  
Sent: Thursday, December 16, 2004 11:10 AM  
To: Petty, Harold L.  
Cc: Benkhayal, Hussein; Stone, Sam  
Subject: Task Order Proposal for Monitoring Wells Installation - Kingston FP Ash Disposal Area

Please find our proposal text and cost estimate attached for this project from Hussein Benkhayal. Please distribute the proposal text as you see fit to those involved in the project; however, we ask that the cost estimate not be distributed. Thank you.

Suzanne Moshier | Senior Word Processor  
TN Marketing/Vision CRM&P Admin  
TN Chief Engineer Admin  
MACTEC Knoxville (East), TN  
865-588-8544 | Fax 865-588-8026  
sjmoshier@mactec.com | www.mactec.com

**Haber, Stanley M**

---

**From:** Petty, Harold L.  
**Sent:** Thursday, December 16, 2004 2:02 PM  
**To:** Boggs, J. Markus  
**Cc:** Smith, Amos L; Julian, Hank; Purkey, Ronald E.; Haber, Stanley M.  
**Subject:** RE: KIF - cost proposal for field testing at dike failure site

Mark:

We concur.

The short code is: **001D9VR**

Thanks,  
Lynn

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

**From:** Boggs, J. Markus  
**Sent:** Thursday, December 16, 2004 10:09 AM  
**To:** Petty, Harold L.  
**Cc:** Smith, Amos L; Julian, Hank  
**Subject:** KIF - cost proposal for field testing at dike failure site

Lynn,

Attached is cost breakdown for conducting field slug tests at monitoring wells (MW) located in vicinity of the KIF dredge cell dike failure. Work scope would include:

- Performance of slug-type hydraulic conductivity tests at existing MW1-3 and 12 new MW to be constructed by Mactec.
- Establishment of location, grade elevation, and top-of-casing elevation at each of the 15 MW's using GPS (horizontal control) and level instrument (vertical control).
- Analysis of time-drawdown data from slug tests to determine horizontal hydraulic conductivity estimates for each of the 15 MW's.
- Preparation of brief report summarizing methods and results.

If you agree with work scope and cost, please let me know account to use for our charges.

Thanks.

Mark

---

J. Mark Boggs, Hydrologist  
Environmental Engineering Services - East

Tennessee Valley Authority  
400 W. Summit Hill Drive  
WT 9C-K  
Knoxville, TN 37802-1401

Phone: 865-632-6941  
Fax: 865-632-8375

03/14/2009

TVA-00027885

## Haber, Stanley M

---

**From:** Petty, Harold L.  
**Sent:** Thursday, December 16, 2004 12:18 PM  
**To:** GEOSYNTEC CONSULTANTS INC Attn: R NEIL DAVIES; Boggs, J. Markus; 'McNulty, Greg'; Smith, Daniel R.  
**Cc:** Purkey, Ronald E.; Haber, Stanley M.  
**Subject:** FW: Task Order Proposal for Monitoring Wells Installation - Kingston FP Ash Disposal Area

**Attachments:** MACTEC Proposal TVA Kingston Mon Wells.pdf; MACTEC Cost Estimate TVA Kingston Mon Wells.pdf



MACTEC Proposal TVA Kingston M...  
MACTEC Cost Estimate TVA Kings..

Please review and confirm this meets our needs. I will then approve and get them mobilized.

Thanks,  
Lynn  
H. L. Petty, PE  
1101 Market Street  
LP 2G-C  
423-751-6704  
423-751-7094 (fax)  
423-838-1741 (mobile)

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

**From:** Moshier, Suzanne [mailto:SJMOSHIER@mactec.com]  
**Sent:** Thursday, December 16, 2004 11:10 AM  
**To:** Petty, Harold L.  
**Cc:** Benkhayal, Hussein; Stone, Sam  
**Subject:** Task Order Proposal for Monitoring Wells Installation - Kingston FP Ash Disposal Area

Please find our proposal text and cost estimate attached for this project from Hussein Benkhayal. Please distribute the proposal text as you see fit to those involved in the project; however, we ask that the cost estimate not be distributed. Thank you.

Suzanne Moshier | Senior Word Processor  
TN Marketing/Vision CRM&P Admin  
TN Chief Engineer Admin  
MACTEC Knoxville (East), TN  
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sjmoshier@mactec.com | www.mactec.com



December 16, 2004

Mr. Ron Purkey  
Tennessee Valley Authority  
1101 Market Street, LP-2G  
Chattanooga, TN 37402  
Phone: (423) 751-4820  
Fax: (423) 751-7094

Subject: **Task Order Proposal for Monitoring Wells Installation  
TVA Kingston Fossil Plant Ash Disposal Area  
Kingston, Tennessee  
MACTEC Proposal Prop04Knox/399**

Dear Mr. Purkey:

MACTEC Engineering and Consulting, Inc., (MACTEC) is pleased to submit this proposal for providing geotechnical engineering support for the ash disposal area at the Tennessee Valley Authority (TVA) Kingston Fossil Plant in Kingston, Tennessee. Included in this proposal are our understanding of the project requirements, our proposed scope of services, our cost estimate, and our schedule.

### **Project Information**

We understand that TVA would like MACTEC to provide drilling, monitoring well installation, laboratory testing, and geotechnical engineering services for evaluations and engineering activities associated with the existing ash disposal area. Our scope of work, cost estimate, and schedule are based on discussions during a teleconference on December 14, 2004, and a revised Scope of Work provided by TVA on December 15, 2004.

### **Proposed Scope of Services**

Based on our understanding of your needs, we will provide the following services:

- Mobilize one All Terrain (ATV) Mounted drill rig and possibly an additional truck-mounted drill rig.

MACTEC Engineering and Consulting, Inc.  
1725 Louisville Drive • Knoxville, TN 37921-5904  
865-588-8544 • Fax: 865-588-8026

- Drill six test borings including standard penetration test (SPT) at 5-foot depth intervals and at major changes of material type when detectable. The borings will be drilled to refusal (approximate depths range from 70 to 110 feet).
- Backfill all test borings with a cement-bentonite grout.
- Install and develop 12 two-inch monitoring wells at depths ranging from 30 to 60 feet as specified by TVA or their designee. The wells will be 2-inch I.D., Schedule 40 PVC with double-density, slotted, 0.010-inch screen with a 5-foot screen length.
- Perform in situ hydraulic conductivity test at 12 monitoring well locations.
- Obtain one complete set of groundwater readings from the newly installed monitoring wells.
- Perform laboratory tests on ash and soil samples consisting of natural moisture content, Atterberg limits, grain size analyses, and specific gravity.
- Prepare a brief report that presents the field and laboratory data.

### **Assumptions**

MACTEC assumes the following:

- All boring/monitoring well locations will be selected and located in the field by TVA or their designees. After completion of drilling, all boring locations will be staked by MACTEC and surveyed by TVA using land surveying techniques. A base map and coordinates of all boring locations will be provided to MACTEC for use in their final report to TVA.
- TVA will furnish a dozer and any necessary stone to provide access for MACTEC's drilling equipment to all boring/monitoring well locations as needed.
- Underground utilities, if any, will be located by others.
- Mitigation of environmental concerns (if any are encountered) is not part of this work.

### **Cost Estimate**

We have estimated the cost to perform the geotechnical exploration services to be approximately \$72,440.53. This projected cost was based on manpower estimates and quantities of work as presented in the attached cost estimate. The actual cost will be based on the units of work performed. Our cost estimate includes performing 12 field hydraulic conductivity tests. If these tests are not to be performed by MACTEC, the total estimated cost should be reduced by \$11,900, assuming no use or involvement of MACTEC equipment and personnel.

### **Schedule**

Based on our current work load, we can mobilize drilling equipment to the site within a week after receiving your authorization, but not sooner than January 3, 2005. We expect the field exploration to last approximately 10 to 15 working days. Preliminary boring logs can be provided at the completion of each boring. We anticipate laboratory testing to be completed in about two weeks after completion of the field work and the report to be issued approximately one week after completion of the laboratory testing.

### **Authorization**

We propose to perform the requested services in accordance with the terms and conditions of our existing contract 21705. We understand that, if this proposal is acceptable to you, TVA will authorize this work by issuance of a TAO.



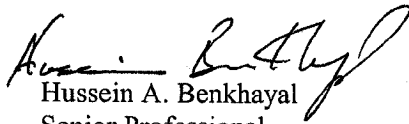
December 16, 2004

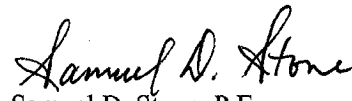


Mr. Purkey, we appreciate this opportunity to provide these services to TVA. If you have any questions regarding this proposal, please contact Hussein Benkhayal or Carl Tockstein at (865) 588-8544.

Sincerely,

MACTEC ENGINEERING AND CONSULTING, INC.

  
Hussein A. Benkhayal  
Senior Professional

  
Samuel D. Stone, P.E.  
Senior Principal Engineer

HAB/SDS:sjm

Attachment

cc: Mr. Lynn Petty  
TVA Chattanooga



<b>COST ESTIMATE</b>	
<b>TVA KINGSTON FP MONITORING WELL INSTALLATION</b>	
<b>MACTEC Proposal Prop04Knox/399</b>	
Manpower	\$33,750.53
Drilling	\$35,440.00
Lab	\$3,250.00
<b>Total</b>	<b>\$72,440.53</b>

**SCHEDULE OF FEES  
PERSONNEL CHARGES  
TVA KINGSTON FP MONITORING WELL INSTALLATION  
MACTEC Proposal Prop04Knox/399**

<b>PROFESSIONAL SERVICES</b>					
<b>DESCRIPTION</b>	<b>HOURS</b>	<b>RATE</b>	<b>BURDEN</b>	<b>BILLING RATE</b>	<b>COST</b>
<b>Project Administration</b>					
Chief Engineer	8	\$48.00	\$20.00	\$138.72	\$1,109.76
Senior Engineer	12	\$25.00	\$6.00	\$72.25	\$867.00
<b>Drilling/Field Coordination</b>					
Senior Engineer	16	\$25.00	\$47.25	\$72.25	\$1,156.00
Project Engineer	8	\$23.00	\$43.47	\$66.47	\$531.76
<b>Field Engineering</b>					
Project Engineer	150	\$23.00	\$43.47	\$66.47	\$9,970.50
Senior Engineer	16	\$25.00	\$47.25	\$72.25	\$1,156.00
Senior Geologist	60	\$29.41	\$55.58	\$84.99	\$5,099.69
Project Geologist	60	\$22.50	\$42.53	\$65.03	\$3,901.50
<b>Data Analysis / Lab Coordination</b>					
Chief Engineer	4	\$48.00	\$90.72	\$138.72	\$554.88
Senior Engineer	24	\$25.00	\$47.25	\$72.25	\$1,734.00
Project Engineer	8	\$23.00	\$43.47	\$66.47	\$531.76
Senior Geologist	16	\$29.41	\$55.58	\$84.99	\$1,359.92
<b>Report Preparation</b>					
Project Engineer	8	\$23.00	\$43.47	\$66.47	\$531.76
Senior Engineer	32	\$25.00	\$47.25	\$72.25	\$2,312.00
Chief Engineer	4	\$48.00	\$90.72	\$138.72	\$554.88
Drafter/CADD	16	\$15.00	\$28.35	\$43.35	\$693.60
Word Processor	12	\$14.00	\$26.46	\$40.46	\$485.52
<b>SUBTOTAL LABOR</b>	454 Hours				\$32,550.53
<b>Travel Expenses (Professional)</b>					
Expenses (includes transportation to and from site, per diem in accordance with TVA allowances, etc.)		Unit Rate		Quantity	Estimated Cost
		\$1,200.00 Each		1	\$1,200.00
<b>SUBTOTAL TRAVEL EXPENSES</b>					\$1,200.00
<b>SUBTOTAL SUBCONTRACT</b>					\$33,750.53

**SCHEDULE OF FEES  
COST ESTIMATE  
TVA KINGSTON FP MONITORING WELL INSTALLATION  
MACTEC Proposal Prop04Knox/399**

Description	Quantity	Unit	Unit Rate	Subtotal
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**A. Mobilization and demobilization of drilling, sampling, or support equipment:**

1.	#	Description	Quantity	Unit	Unit Rate	Subtotal
	6	Truck-mounted drill rig	1	each	\$200.00	\$200.00
	b.	ATV-mounted drill rig	1	each	\$250.00	\$250.00
	c.	Water truck	0	each	\$100.00	\$0.00
	d.	Geoprobe	0	each	\$200.00	\$0.00
	e.	Workover rig	0	each	\$100.00	\$0.00
	f.	Support truck	1	each	\$50.00	\$50.00
2.	Beyond 25 miles from originating location, add per mile one-way					
	a.	Truck-mounted drill rig	15	mile	\$4.00	\$60.00
	b.	ATV-mounted drill rig	15	mile	\$5.00	\$75.00
	c.	Water truck, workover rig, or Geoprobe	0	mile	\$2.00	\$0.00
	d.	Support truck	15	mile	\$1.00	\$15.00

**B. Wash Boring in overburden soil, per linear foot**

a.	4 - inch diameter	1095	feet	\$6.50	\$7,117.50
b.	6 - inch diameter	0	feet	\$7.50	\$0.00

**C. Standard penetration test in conjunction with boring, per sample**

1.	N < 50	80	each	\$20.00	\$1,600.00
2.	N > 50	13	each	\$25.00	\$325.00

**F. Grouting (cement) borehole without well, per linear foot:**

1.	6-inch diameter or less, per linear foot	555	feet	\$5.50	\$3,052.50
2.	6- to 9-inch diameter, per linear foot	0	feet	\$11.00	\$0.00
3.	9- to 12-inch diameter, per linear foot	0	feet	\$22.00	\$0.00
4.	Above rates are based on neat line borehole volume, if grout losses occur, additional grouting will be charged at time rate drilling cost plus actual material cost times 1.10.				

**G. Type I PVC well construction in pre-drilled borehole, including time and materials, per linear foot:**

1.	1-inch		feet	\$10.00	\$0.00
2.	2-inch	540	feet	\$13.00	\$7,020.00

**I. Time rate for drill crew and equipment including steam cleaning, packer testing with drill crew, difficult moving, clearing, well development, hauling water, handling IDW, difficult drilling through collapsing or flowing materials, drilling through pavement, rock drilling using a roller cone bit in partially weathered rock only, drilling through boulders or debris, reaming out partially weathered rock corehole, standby, safety orientation, site restoration, packer testing, off-truck drilling, inside work, or time-rate drilling, per hour.**

	36	hours	\$150.00	\$5,400.00
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**J. Equipment charges, per day:**

1.	Water truck to support drill rig	0	days	\$250.00	\$0.00
2.	Steam cleaner		days	\$75.00	\$0.00
3.	Generator		days	\$50.00	\$0.00
9.	Grout plant	18	days	\$250.00	\$4,500.00
10.	ATV drill	15	days	\$100.00	\$1,500.00

**SCHEDULE OF FEES  
 COST ESTIMATE  
 TVA KINGSTON FP MONITORING WELL INSTALLATION  
 MACTEC Proposal Prop04Knox/399**

	Description	Quantity	Unit	Unit Rate	Subtotal
11.	Support truck	15	days	\$35.00	\$525.00
17	Cellular Telephone	15	days	\$50.00	\$750.00

V. Overtime charges for drilling at TVA's request during other than 40-hour week or on weekends or holidays, multiply rates by 1.3.

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W. Crew daily trip charge, to and from site

		15	days	\$75.00	\$1,125.00
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X. Per diem and lodging in accordance with TVA allowances

		15	day	\$125.00	\$1,875.00
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**TOTAL COST ESTIMATE** **\$35,440.00**

**SCHEDULE OF FEES  
 LABORATORY TESTING SERVICES  
 TVA KINGSTON FP MONITORING WELL INSTALLATION  
 MACTEC Proposal Prop04Knox/399**

Description	ASTM	Quantity	Unit	Rate	Subtotal
Natural (Jar) Moisture Content	D-2216	80	per test	\$8.00	\$640.00
Atterberg Limits	D-4318	8	per test	\$65.00	\$520.00
Sieve Analysis (wash wo/hydrometer - assumed Spec. Grav.)	D-422	20	per test	\$50.00	\$1,000.00
Sieve Analysis w/hydrometer (assumed Spec. Grav.)	D-422	8	per test	\$110.00	\$880.00
Specific Gravity	D-854	6	per test	\$35.00	\$210.00

**TOTAL COST ESTIMATE**

<b>\$3,250.00</b>
-------------------

**Haber, Stanley M**

---

**From:** Petty, Harold L.  
**Sent:** Thursday, December 16, 2004 11:52 AM  
**To:** Sluss, Dallas P.  
**Cc:** Purkey, Ronald E.; Haber, Stanley M.  
**Subject:** KIF530-survey request to locate piezometers

Dallas:

Here is the short code to do the surveying requested by Dan Smith:

**001D9VR**

Thanks,  
Lynn

This document is a MeetingPlace document

From: Petty, Harold L. on behalf of Latitude Sent: Tue 12/14/2004 3:16 PM
Required: Smith, Daniel R.; Greg McNulty (greg.mculty@parsons.com); GEOSYNTEC CONSULTANTS INC Attn: R NEIL DAVIES; Smith, Amos L; Purkey, Ronald E.; Bowers, Larry C; Boggs, J. Markus; Haber, Stanley M.; Carl Tockstein (cttockstein@mactec.com); Benkhayal, Hussein; Sam Stone @ Mactec (sdstone2@mactec.com); sdstonejr@msn.com
Optional:
Subject: FW: Meeting: KIF - Seepage {Meeting ID: 6704}

Location:
When: Tuesday, December 21, 2004 1:00 PM-2:30 PM (GMT-05:00) Eastern Time (US & Canada).

Here is the meeting announcement for next week.

Thanks,
Lynn

-----Original Appointment-----

From: Latitude
Sent: Tuesday, December 14, 2004 3:14 PM
To: Latitude; Petty, Harold L.
Subject: Meeting: KIF - Seepage {Meeting ID: 6704}
When: Tuesday, December 21, 2004 1:00 PM-2:30 PM (GMT-05:00) Eastern Time (US & Canada).
Where:

Harold Petty has invited you to a MeetingPlace e-Conference (Mtg ID 6704) on MeetingPlace, December 21, 2004 at 01:00 PM America/New\_York. If provided, use the following password:

To attend from your PC:

- 1) Launch the attached "Click to Attend" web link, or browse to http://latitude.cha.tva.gov & enter Mtg ID 6704
A MeetingPlace web page appears.
2) Click Join Voice & enter your phone number
3) Click Join Data

Alternatively, call 423-751-2428 or . Enter Mtg ID 6704 when prompted.

For more info about this MeetingPlace e-Conference, contact: Harold Petty,

"Click to Attend" Web Link:

http://latitude/attend/FeEkfPmBpDgKjoCbfcNjJlIbNmEhkDbKekappaJnDaLdlppcDndHdNkEooieDalqAjlkkKahp:HdNoEdAflpldoFlpmlagaled



**Haber, Stanley M**

---

**From:** Petty, Harold L.  
**Sent:** Tuesday, December 14, 2004 3:04 PM  
**To:** Smith, Daniel R.; 'Greg McNulty (greg.mcnulty@parsons.com)'; GEOSYNTEC CONSULTANTS INC Attn: R NEIL DAVIES; Smith, Amos L.; Purkey, Ronald E.; Bowers, Larry C; Boggs, J. Markus; Haber, Stanley M.; Carl Tockstein (cdtockstein@mactec.com); Benkhayal, Hussein; Sam Stone @ Mactec (sdstone2@mactec.com); sdstonejr@msn.com  
**Subject:** FW: Attachment from Neil Davies

Here are Mark's comments that I promised to forward to all.

Thanks,  
Lynn

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

**From:** Boggs, J. Markus  
**Sent:** Tuesday, December 14, 2004 1:57 PM  
**To:** Petty, Harold L.  
**Subject:** FW: Attachment from Neil Davies

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

**From:** Boggs, J. Markus  
**Sent:** Monday, December 13, 2004 2:37 PM  
**To:** Petty, Harold L.  
**Cc:** Smith, Amos L; Bowers, Larry C  
**Subject:** RE: Attachment from Neil Davies

Lynn,  
My comments re work scope:

- Should indicate that borings would terminate at top of rock (approx. elevation 700-710 ft).
- I envision borings would be completed and logs communicated to all groups involved on a daily basis. Following an expeditious review, target depths and screened intervals of test wells would be determined by conference call among parties.
- If for some reason pre-packed screens cannot be used, we should require approximately an hour's worth of development of each well using surge block and pumping to ensure well is responsive.

Please let me know if you have questions.  
M.

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

**From:** Petty, Harold L.  
**Sent:** Monday, December 13, 2004 12:18 PM  
**To:** Carl Tockstein (cdtockstein@mactec.com)  
**Cc:** Purkey, Ronald E.; Bowers, Larry C; Smith, Amos L; Smith, Daniel R.; Boggs, J. Markus; GEOSYNTEC CONSULTANTS INC Attn: R NEIL DAVIES; greg.mcnulty@parsons.com  
**Subject:** FW: Attachment from Neil Davies  
**Importance:** High

Carl:

03/14/2009

A need for some additional piezometers at Kingston has arisen.

I have asked for the sketch that goes with this and will forward it ASAP.

I am simultaneously sending this out for concurrent review to confirm the scope between all parties involved.

**We would like to install ASAP!**

I'll give you a call this afternoon.

Thanks,  
Lynn  
H. L. Petty, PE  
1101 Market Street  
LP 2G-C  
423-751-6704  
423-751-7094 (fax)  
423-838-1741 (mobile)

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

**From:** Petty, Harold L.  
**Sent:** Monday, December 13, 2004 12:03 PM  
**To:** 'Alang@GeoSyntec.com'; Powell, Ronald D.; Boggs, J. Markus  
**Cc:** Purkey, Ronald E.; GEOSYNTEC CONSULTANTS INC Attn: R NEIL DAVIES  
**Subject:** RE: Attachment from Neil Davies

Anita:

Do you have the figure that goes with this? If so please e-mail it to me.

Thanks,  
Lynn

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

**From:** Alang@GeoSyntec.com [mailto:Alang@GeoSyntec.com]  
**Sent:** Friday, December 10, 2004 3:20 PM  
**To:** Powell, Ronald D.; Petty, Harold L.; Boggs, J. Markus  
**Subject:** Attachment from Neil Davies  
**Importance:** High

If you have any questions, or if this does not come through, please contact me.

Thanks,  
Anita Lang

PLEASE NOTE NEW ADDRESS:

*Anita L. Lang  
Branch Business Manager  
GeoSyntec Consultants  
1255 Roberts Boulevard NW, Suite 200  
Kennesaw, Georgia 30144  
Direct: (678) 202-9513*

03/14/2009

TVA-00027899

*Phone: (678) 202-9500*  
*Fax: (678) 202-9501*  
*E-mail: [alang@geosyntec.com](mailto:alang@geosyntec.com)*  
*[www.GeoSyntec.com](http://www.GeoSyntec.com)*

**Haber, Stanley M**

---

**From:** Purkey, Ronald E.  
**Sent:** Monday, December 13, 2004 4:30 PM  
**To:** Haber, Stanley M.; Petty, Harold L.  
**Subject:** RE: Attachment from Neil Davies

I thought the what arer we charging this to was a Haber question

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

**From:** Haber, Stanley M.  
**Sent:** Monday, December 13, 2004 1:22 PM  
**To:** Petty, Harold L.  
**Cc:** Purkey, Ronald E.  
**Subject:** RE: Attachment from Neil Davies

Thanks. What project are we planning on charging this to (and how much will it be?)

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

**From:** Petty, Harold L.  
**Sent:** Monday, December 13, 2004 12:24 PM  
**To:** Haber, Stanley M.  
**Cc:** Purkey, Ronald E.  
**Subject:** FW: Attachment from Neil Davies  
**Importance:** High

Stan:

FYI. This came out of the meeting last Wednesday.

Thanks,  
Lynn

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

**From:** Petty, Harold L.  
**Sent:** Monday, December 13, 2004 12:18 PM  
**To:** Carl Tockstein (cdtockstein@mactec.com)  
**Cc:** Purkey, Ronald E.; Bowers, Larry C; Smith, Amos L; Smith, Daniel R.; Boggs, J. Markus; GEOSYNTEC CONSULTANTS INC Attn: R NEIL DAVIES; egreg.mcnulty@parsons.com  
**Subject:** FW: Attachment from Neil Davies  
**Importance:** High

Carl:

A need for some additional piezometers at Kingston has arisen.

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I am simultaneously sending this out for concurrent review to confirm the scope between all parties involved.

**We would like to install ASAP!**

03/14/2009

TVA-00027901

I'll give you a call this afternoon.

Thanks,  
Lynn

**H. L. Petty, PE**  
1101 Market Street  
LP 2G-C  
423-751-6704  
423-751-7094 (fax)  
423-838-1741 (mobile)

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

**From:** Petty, Harold L.  
**Sent:** Monday, December 13, 2004 12:03 PM  
**To:** 'Alang@GeoSyntec.com'; Powell, Ronald D.; Boggs, J. Markus  
**Cc:** Purkey, Ronald E.; GEOSYNTEC CONSULTANTS INC Attn: R NEIL DAVIES  
**Subject:** RE: Attachment from Neil Davies

Anita:

Do you have the figure that goes with this? If so please e-mail it to me.

Thanks,  
Lynn

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

**From:** Alang@GeoSyntec.com [mailto:Alang@GeoSyntec.com]  
**Sent:** Friday, December 10, 2004 3:20 PM  
**To:** Powell, Ronald D.; Petty, Harold L.; Boggs, J. Markus  
**Subject:** Attachment from Neil Davies  
**Importance:** High

If you have any questions, or if this does not come through, please contact me.

Thanks,  
Anita Lang

PLEASE NOTE NEW ADDRESS:

*Anita L. Lang*  
*Branch Business Manager*  
*GeoSyntec Consultants*  
*1255 Roberts Boulevard NW, Suite 200*  
*Kennesaw, Georgia 30144*  
*Direct: (678) 202-9513*  
*Phone: (678) 202-9500*  
*Fax: (678) 202-9501*  
*E-mail: [alang@geosyntec.com](mailto:alang@geosyntec.com)*  
*[www.GeoSyntec.com](http://www.GeoSyntec.com)*

**Haber, Stanley M**

---

**From:** Haber, Stanley M.  
**Sent:** Monday, December 13, 2004 1:22 PM  
**To:** Petty, Harold L.  
**Cc:** Purkey, Ronald E.  
**Subject:** RE: Attachment from Neil Davies

**Tracking:** **Recipient**      **Delivery**  
Petty, Harold L.    Delivered: 12/13/2004 1:22 PM  
Purkey, Ronald E. Delivered: 12/13/2004 1:22 PM

Thanks. What project are we planning on charging this to (and how much will it be?)

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

**From:** Petty, Harold L.  
**Sent:** Monday, December 13, 2004 12:24 PM  
**To:** Haber, Stanley M.  
**Cc:** Purkey, Ronald E.  
**Subject:** FW: Attachment from Neil Davies  
**Importance:** High

Stan:

FYI. This came out of the meeting last Wednesday.

Thanks,  
Lynn

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

**From:** Petty, Harold L.  
**Sent:** Monday, December 13, 2004 12:18 PM  
**To:** Carl Tockstein (cdtockstein@mactec.com)  
**Cc:** Purkey, Ronald E.; Bowers, Larry C; Smith, Amos L; Smith, Daniel R.; Boggs, J. Markus; GEOSYNTEC CONSULTANTS INC Attn: R NEIL DAVIES; egreg.mcnulty@parsons.com  
**Subject:** FW: Attachment from Neil Davies  
**Importance:** High

Carl:

A need for some additional piezometers at Kingston has arisen.

I have asked for the sketch that goes with this and will forward it ASAP.

I am simultaneously sending this out for concurrent review to confirm the scope between all parties involved.

**We would like to install ASAP!**

I'll give you a call this afternoon.

03/14/2009

TVA-00027903

Thanks,  
Lynn  
**H. L. Petty, PE**  
1101 Market Street  
LP 2G-C  
423-751-6704  
423-751-7094 (fax)  
423-838-1741 (mobile)

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

**From:** Petty, Harold L.  
**Sent:** Monday, December 13, 2004 12:03 PM  
**To:** 'Alang@GeoSyntec.com'; Powell, Ronald D.; Boggs, J. Markus  
**Cc:** Purkey, Ronald E.; GEOSYNTEC CONSULTANTS INC Attn: R NEIL DAVIES  
**Subject:** RE: Attachment from Neil Davies

Anita:

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Thanks,  
Lynn

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

**From:** Alang@GeoSyntec.com [mailto:Alang@GeoSyntec.com]  
**Sent:** Friday, December 10, 2004 3:20 PM  
**To:** Powell, Ronald D.; Petty, Harold L.; Boggs, J. Markus  
**Subject:** Attachment from Neil Davies  
**Importance:** High

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Thanks,  
Anita Lang

PLEASE NOTE NEW ADDRESS:

*Anita L. Lang*  
*Branch Business Manager*  
*GeoSyntec Consultants*  
*1255 Roberts Boulevard NW, Suite 200*  
*Kennesaw, Georgia 30144*  
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*E-mail: [alang@geosyntec.com](mailto:alang@geosyntec.com)*  
*[www.GeoSyntec.com](http://www.GeoSyntec.com)*

**Haber, Stanley M**

---

**From:** Petty, Harold L.  
**Sent:** Monday, December 13, 2004 12:24 PM  
**To:** Haber, Stanley M.  
**Cc:** Purkey, Ronald E.  
**Subject:** FW: Attachment from Neil Davies  
**Importance:** High  
**Attachments:** Scope of Work For Supplemental Soil Borings.doc

Stan:

FYI. This came out of the meeting last Wednesday.

Thanks,  
Lynn

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

**From:** Petty, Harold L.  
**Sent:** Monday, December 13, 2004 12:18 PM  
**To:** Carl Tockstein (cdtockstein@mactec.com)  
**Cc:** Purkey, Ronald E.; Bowers, Larry C; Smith, Amos L; Smith, Daniel R.; Boggs, J. Markus; GEOSYNTEC CONSULTANTS INC Attn: R NEIL DAVIES; egreg.mcnulty@parsons.com  
**Subject:** FW: Attachment from Neil Davies  
**Importance:** High

Carl:

A need for some additional piezometers at Kingston has arisen.

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Thanks,  
Lynn  
**H. L. Petty, PE**  
1101 Market Street  
LP 2G-C  
423-751-6704  
423-751-7094 (fax)  
423-838-1741 (mobile)

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

**From:** Petty, Harold L.  
**Sent:** Monday, December 13, 2004 12:03 PM

03/14/2009



**To:** 'Alang@GeoSyntec.com'; Powell, Ronald D.; Boggs, J. Markus  
**Cc:** Purkey, Ronald E.; GEOSYNTEC CONSULTANTS INC Attn: R NEIL DAVIES  
**Subject:** RE: Attachment from Neil Davies

Anita:

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Thanks,  
Lynn

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

**From:** Alang@GeoSyntec.com [mailto:Alang@GeoSyntec.com]  
**Sent:** Friday, December 10, 2004 3:20 PM  
**To:** Powell, Ronald D.; Petty, Harold L.; Boggs, J. Markus  
**Subject:** Attachment from Neil Davies  
**Importance:** High

If you have any questions, or if this does not come through, please contact me.

Thanks,  
Anita Lang

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*E-mail: [alang@geosyntec.com](mailto:alang@geosyntec.com)*  
*[www.GeoSyntec.com](http://www.GeoSyntec.com)*

03/14/2009

TVA-00027906

This appointment occurs in the past.

From: Petty, Harold L. on behalf of Latitude Sent: Thu 12/09/2004 3:26 PM  
 Required: Smith, Daniel R.; 'Greg McNulty (greg.mculty@parsons.com)'; GEOSYNTEC CONSULTANTS INC Attn: R NEIL DAVIES; Smith, Amos L; Purkey, Ronald E.; Bowers, Larry C; Boggs, J. Markus; Haber, Stanley M.  
 Optional:  
 Subject: KIF - Seepage Analysis - Coordination Phone Call  
 Location:  
 When: Tuesday, December 14, 2004 1:00 PM-1:30 PM (GMT-05:00) Eastern Time (US & Canada).

Here is the information to sign on the meet me number for our Tuesday Coordination call.

Thanks,  
 Lynn Petty  
**H. L. Petty, PE**  
 1101 Market Street  
 LP 2G-C  
 423-751-6704  
 423-751-7094 (fax)  
 423-838-1741 (mobile)

-----Original Appointment-----

**From:** Latitude  
**Sent:** Thursday, December 09, 2004 3:21 PM  
**To:** Latitude; Petty, Harold L.  
**Subject:** Meeting: Petty {Meeting ID: 6704}  
**When:** Tuesday, December 14, 2004 1:00 PM-1:30 PM (GMT-05:00) Eastern Time (US & Canada).  
**Where:**

Harold Petty has invited you to a MeetingPlace e-Conference (Mtg ID 6704) on MeetingPlace, December 14, 2004 at 01:00 PM America/New\_York. If provided, use the following password:

To attend from your PC:

- 1) Launch the attached "Click to Attend" web link, or browse to <http://latitude.cha.tva.gov> & enter Mtg ID 6704  
A MeetingPlace web page appears.
- 2) Click Join Voice & enter your phone number

This appointment is part of the plan.

From: Petty, Harold L.

Sent: Thu 12/02/2004 6:37 AM

Required: Purkey, Ronald E.; Bowers, Larry C; Smith, Amos L; Smith, Daniel R.; Boggs, J. Markus; GEOSYNTEC CONSULTANTS INC Attn: R. NEIL DAVIES; egreg.mcnulty@parsons.com

Optional: Haber, Stanley M.; Baugh, James S.; Hedgecoth, Melissa A.

Subject: Kingston Fossil Plant - Seep Analysis Kick-off Meeting

Location: Livewell B

When: Wednesday, December 08, 2004 10:00 AM-12:00 PM.

This meeting notice is for the seepage analysis kick-off to determine common parameters and conditions for the two methods of analysis.

Please forward this notice on to others as needed.

Thanks,  
Lynn Petty  
**H. L. Petty, PE**  
1101 Market Street  
LP 2G-C  
423-751-6704  
423-751-7094 (fax)  
423-838-1741 (mobile)

I

Reply  
You replied on 11/24/2004 9:11 AM

From: DHager@GeoSyntec.com Sent: Wed 11/24/2004 9:10 AM  
To: Bowers, Larry C; fcambell@tva.gov; Catlett, James H; mcCrane@tva.gov; eldeskin@tva.gov; Haber, Stanley M.; Hedgecoth, Melissa A.; Patty, Harold L.; Powell, Ronald D.; Purkey, Ronald E.; Smith, Amos L; Thomas, Stacci P.  
Cc: GEOSYNTEC CONSULTANTS INC Attn: R NEIL DAVIES; Mchone, David B  
Subject: EMAIL TEST FROM GEOSYNTEC IT

I am sending this email to each of you as a test. Can you please reply to this email? If I do not receive a reply I will assume you did not receive it. Thank you

Sincerely,  
David Hager  
GeoSyntec Consultants  
Help Desk Coordinator



**Our new address is:**  
**GeoSyntec Consultants**  
5901 Broken Sound Pkwy NW, Suite 300  
Boca Raton, Florida 33487-2775  
  
Direct 561-922-1010  
Office 561-995-0900 ext 1010  
IT Fax 561-922-1102  
[www.geosyntec.com](http://www.geosyntec.com)

The meeting is not in the Calendar; it may have been moved or deleted.

From: Powell, Ronald D. on behalf of Petty, Harold L. Sent: Fri 11/19/2004 10:07 AM  
Required: Petty, Harold L.; Purkey, Ronald E.; Baugh, James S.; Haber, Stanley M.; Hedgecoth, Melissa A.; Bowers, Larry C; Smith, Amos L; Smith, Daniel R.; Radford, Larry D.; Knox, Robert; Davis, Michael D  
Optional:  
Subject: FW: KIF - Premeeting follow-up - Peer Review  
Location: meet me number - 751-2428 id#4820  
When: Friday, November 19, 2004 3:00 PM-4:00 PM.

The conference room reserved for this meeting is LP 5N A03.

-----Original Appointment-----

**From:** Petty, Harold L.  
**Sent:** Thursday, November 18, 2004 4:52 PM  
**To:** Petty, Harold L.; Purkey, Ronald E.; Baugh, James S.; Haber, Stanley M.; Hedgecoth, Melissa A.; Bowers, Larry C; Davis, Michael D; Smith, Amos L; Smith, Daniel R.; Radford, Larry D.; Powell, Ronald D.  
**Subject:** KIF - Premeeting follow-up - Peer Review  
**When:** Friday, November 19, 2004 3:00 PM-4:00 PM (GMT-05:00) Eastern Time (US & Canada).  
**Where:** meet me number - 751-2428 id#4820

I

This meeting is part of a calendar series. It can be removed or deleted.

From: Purkey, Ronald E. Sent: Thu 11/18/2004 4:59 PM  
Required: Purkey, Ronald E.; Baugh, James S.; Haber, Stanley M.; Hedgecoth, Melissa A.; Bowers, Larry C.; Davis, Michael D.; Smith, Amos L.; Smith, Daniel R.; Radford, Larry D.; Powell, Ronald D.; Deskins, Earl L.; Catlett, James H.; Settles, James T  
Optional: Preslar, Jacky D.; Lundy, Dennis L.  
Subject: KIF Geosyntec Peer review  
Location: Plant mgr's conf room  
When: Monday, November 22, 2004 9:30 AM-11:00 AM.

- 2 parts:
1. Geosyntec Presentation
  2. Day forward plan (after Geosyntec presentation)

I

The meeting is not in the calendar; it may have been moved or deleted.

From: Petty, Harold L.

Sent: Thu 11/18/2004 4:52 PM

Required: Purkey, Ronald E.; Baugh, James S.; Haber, Stanley M.; Hedgecoth, Melissa A.; Bowers, Larry C.; Davis, Michael D; Smith, Amos L; Smith, Daniel R.; Radford, Larry D.; Powell, Ronald D.

Optional:

Subject: KIF - Premeeting follow-up - Peer Review

Location: meet me number - 751-2428 id#4620

When: Friday, November 19, 2004 3:00 PM-4:00 PM.

I

From: Hedgecoth, Melissa A. Sent: Thu 11/18/2004 3:42 PM  
 To: Petty, Harold L.; Baugh, James S.; Davis, Michael D.; Powell, Ronald D.; Albright, John G.; Haber, Stanley M.; Smith, Daniel R.; Smith, Amos L.; Bowers, Larry C.; Radford, Larry D.; Hughes, Michael; Purkey, Ronald E.  
 Cc: Cooper, Dirk R.; Hunt, William L.  
 Subject: RE: Pre Plant Meetings - KIF, JSF, and GAF Ash

After our meeting today concerning Gallatin's ash disposal project, I responded to Bill Hunt's voice mail. I told Bill the following:

1. Engineering has the action item to have the project cost estimate completed by November 19.
2. Engineering has the action item to have a critical path schedule completed by December 2.
3. Engineering has the action item to evaluate an emergency plan.
4. Missy Hedgecoth is going to have the free water volume survey completed the week of November 29.
5. HED is going to have a trackhoe onsite during the week of surveying to potentially allow areas to be surveyed that in the past were inaccessible.
6. The Team will set up a meeting to present all of the above information to the plant by mid-December.

If anyone has any questions or concerns, please let me know.  
 Thanks,  
 Missy

-----Original Appointment-----

**From:** Petty, Harold L.  
**Sent:** Wednesday, November 10, 2004 3:36 PM  
**To:** Baugh, James S.; Davis, Michael D.; Powell, Ronald D.; Albright, John G.; Haber, Stanley M.; Smith, Daniel R.; Smith, Amos L.; Bowers, Larry C.; Hedgecoth, Melissa A.; Radford, Larry D.; Hughes, Michael; Purkey, Ronald E.  
**Cc:** Elder, B. Keith; Cooper, Dirk R.  
**Subject:** Pre Plant Meetings - KIF, JSF, and GAF Ash  
**When:** Thursday, November 18, 2004 8:00 AM-11:00 AM (GMT-05:00) Eastern Time (US & Canada).  
**Where:** LP 1N 417

Meeting to prepare for KIF- Peer Review at Plant; JSF - Peer Study Premeeting, and GAF - Ash Storage Project.

I



**Haber, Stanley M**

---

**From:** Hedgecoth, Melissa A.  
**Sent:** Wednesday, November 17, 2004 2:51 PM  
**To:** Petty, Harold L.; Purkey, Ronald E.; Baugh, James S.; Haber, Stanley M.; Bowers, Larry C; Davis, Michael D; Smith, Amos L; Smith, Daniel R.; Radford, Larry D.  
**Subject:** RE: Path Forward Document

My only comment is that we should investigate all drainage layers instead of just the upper drainage layers. I did some quick calculations on the costs for the bottom drainage layer and it looks like it will costs between \$1.5 and \$3 million dollars. I think that is worth looking at.

Missy

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

**From:** Petty, Harold L.  
**Sent:** Monday, November 15, 2004 4:20 PM  
**To:** Purkey, Ronald E.; Baugh, James S.; Haber, Stanley M.; Hedgecoth, Melissa A.; Bowers, Larry C; Davis, Michael D; Smith, Amos L; Smith, Daniel R.; Radford, Larry D.  
**Subject:** Path Forward Document

Attached is a Preliminary Path Forward Document. The intent is to insure we are on the same page for the meeting at KIF next Tuesday. This will be our talking points at that meeting.

Please review and send me any comments by Noon Wednesday. I will incorporate comments, reprint copies, and bring to the meeting this Thursday morning.

Thanks,  
Lynn

03/14/2009

TVA-00027914

**Haber, Stanley M**

---

**From:** Baugh, James S.  
**Sent:** Wednesday, November 17, 2004 9:31 AM  
**To:** Petty, Harold L.; Purkey, Ronald E.; Haber, Stanley M.; Hedgecoth, Melissa A.; Bowers, Larry C; Davis, Michael D; Smith, Amos L; Smith, Daniel R.; Radford, Larry D.  
**Subject:** RE: Path Forward Document  
**Attachments:** Path forward from Nov 23rd Suggested Revision.doc

See my proposed revisions. Let me know if you have any questions.

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

**From:** Petty, Harold L.  
**Sent:** Monday, November 15, 2004 4:20 PM  
**To:** Purkey, Ronald E.; Baugh, James S.; Haber, Stanley M.; Hedgecoth, Melissa A.; Bowers, Larry C; Davis, Michael D; Smith, Amos L; Smith, Daniel R.; Radford, Larry D.  
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Please review and send me any comments by Noon Wednesday. I will incorporate comments, reprint copies, and bring to the meeting this Thursday morning.

Thanks,  
Lynn

**Kingston Fossil Plant - By-Product Disposal  
Path Forward - Taking the GeoSyntec Peer Review and Move Forward  
Engineering Team Recommendations:**

I. Pursue the Following Immediate Need

- A. Restore Dredging Capability for existing cells in 2005
  - 1. Develop and Submit Minor Modification Request to Solid Waste Permit - installation of French Drains to remediate existing dredge cells
    - a. Add schedule for submittal of minor mod
  - 2. Install French Drains (Add schedule here)

II. Respond to GeoSyntecComments

- A. "NOD Type" Comments on Operations Manual
  - 1. Editorial Comments (AI Majors Name etc.) will be revised
  - 2. Other potential NOD comments (Example: Financial Assurance) will be responded to if noted by TDEC.

B. Stability Comments

- 1. Review and address all comments including:
  - a. Revisit to ensure identified stability parameters are defensible
  - b. Evaluate additional cross sections in area that was suspected to be critical
  - c. Provide basis for 0.11g acceleration
  - d. Perform recommended additional analysis of Veneer Stability
  - e. Address concerns about Liquefaction Analysis
  - f. Perform additional analysis of Drainage Layers
  - g. Resolve Differing Assumptions Between Models for sub-surface stratification

C. Seepage Analysis

- 1. Reach consensus between TVA Hydraulologists, Parsons, and GeoSyntec on model inputs and boundaries
- 2. Task Parsons and GeoSyntec with analyzing the French Drain system to insure the optimum fix is designed.
  - a. Parsons to use TIMES model
  - b. GeoSyntec to use SEEPW model
- 3. Reconcile differences (if any) in model results and impacts to design
- 4. Utilize the results of these analyses as the basis for the detailed design to be submitted to TDEC as part of the Minor Modification

**D. Proposed Alternative Operating Scenario**

1. All parties agree that keeping ash and gypsum separate is the preferred approach if economically defensible; no co-mingling will occur until 2016.
2. TDEC has concerns about stack heights if co-mingling does not occur.
3. Make Minor Plans Revision to Reflect an All FGD Pond Option - Delay Permitting for Vertical Expansion until 2012.
  - a. Allows time to demonstrate that design works
  - b. Permitting tall by-product stacks in phases has a higher probability of success with TDEC; TDEC will likely become more comfortable as successful experience with tall stacks on existing ponds is demonstrated by TVA.

**Haber, Stanley M**

---

**From:** Petty, Harold L.  
**Sent:** Monday, November 15, 2004 4:20 PM  
**To:** Purkey, Ronald E.; Baugh, James S.; Haber, Stanley M.; Hedgecoth, Melissa A.; Bowers, Larry C; Davis, Michael D; Smith, Amos L; Smith, Daniel R.; Radford, Larry D.  
**Subject:** Path Forward Document  
**Attachments:** path forward from Nov 23rd.doc

Attached is a Preliminary Path Forward Document. The intent is to insure we are on the same page for the meeting at KIF next Tuesday. This will be our talking points at that meeting.

Please review and send me any comments by Noon Wednesday. I will incorporate comments, reprint copies, and bring to the meeting this Thursday morning.

Thanks,  
Lynn

03/14/2009

TVA-00027918

**Kingston Fossil Plant - By-Product Disposal  
Path Forward - Taking the Geosyntec Peer Review and Move Forward  
Engineering Team Recommendations:**

I. Pursue the Immediate Needs

- A. Restore Dredge Cell Dredging Capability in 2005
- B. Develop Minor Modification Request to Permit for French Drain
  - a. Allows us to revise things in the permit application that is currently in the state's hands.
  - b. Submit an additional drawing in the package to address Gypsum only in Phase 2/3 (see item II. D below)

II. TVA Responses to Review Comments

- A. "NOD Type" Comments - Larry Bowers to advise which of the following categories each comment would fall.
  - 1. Will Revise Editorial NOD Type Comments (like AI Majors Name etc.)
  - 2. Respond to Other NODs at the time TDEC asks ....(Example: Financial Assurance) ..... if they ask.

B. Stability Comments

- 1. Review and address all comments including:
  - a. Revisit to make ensure selected stability parameters are defensible
  - b. Additional cross section in area that was suspected to be critical
  - c. Provide basis for 0.11g acceleration in the Document
  - d. Revise Veneer Stability for Defensibility
  - e. Addressing Liquefaction Analysis
  - f. Revisit Upper Blanket Drainage Layers
  - g. Resolve Differing Stratification Between Models

C. Seepage Comments

- 1. The level of the detail presented in the permit application was conceptual. Both consultants agree with the approach for correcting the seepage failure. Differences in the methodology were expressed by GeoSyntec.
- 2. Both consultants are to be tasked with analyzing the French Drain (using differing methods) to insure the optimum fix is designed.

3, The results of these analyses will be used as the basis for the detail design to be submitted to TDEC as part of the Minor Modification

D. Alternative Operating Scenario

1. Variation of an Option in Phase I - Going Higher
2. Make Minor Plans Revision to Reflect an All FGD Pond Option BUT Delay Permitting for Vertical Expansion until 2012.

The meeting is in the calendar. It may have been created or deleted.

From: Petty, Harold L. Sent: Wed 11/10/2004 5:18 PM  
Required: Purkey, Ronald E.; Bowers, Larry C; Baugh, James S.; Hedgecoth, Melissa A.; Petty, Harold L.; Smith, Amos L.  
Optional: Haber, Stanley M.  
Subject: Conference call to GeoSyntec - Clarify Gyp/Ash Co-management  
Location: Civil Work Area  
When: Monday, November 15, 2004 10:00 AM-10:30 AM.

Conference call to GeoSyntec - Clarify Gyp/Ash Co-management

I



Pre Plant Meetings - KIF, JSF, and GAF Ash - Meeting

File Edit View Insert Format Tools Actions Help

Accept Tentative Decline Propose New Time Calendar...

This meeting is not in the calendar. It may have been moved or deleted.

From: Petty, Harold L.

Sent: Wed 11/10/2004 3:36 PM

Required: Baugh, James S.; Davis, Michael D; Powell, Ronald D.; Albright, John G.; Haber, Stanley M.; Smith, Daniel R.; Smith, Amos L.; Bowers, Larry C; Hedgecoth, Melissa A.; Radford, Larry D.; Hughes, Michael; Purkey, Ronald E.

Optional: Elder, B. Keith; Cooper, Dirk R.

Subject: Pre Plant Meetings - KIF, JSF, and GAF Ash

Location: LP 1N 417

When: Thursday, November 18, 2004 8:00 AM-11:00 AM.

Meeting to prepare for KIF- Peer Review at Plant; JSF - Peer Study Premeeting, and GAF - Ash Storage Project.

I

The meeting is not in the Calendar; it may have been moved or deleted.

From: Purkey, Ronald E. Sent: Tue 11/09/2004 8:49 AM  
Required: Haber, Stanley M.; Hedgecoth, Melissa A.; Smith, Daniel R.; Bowers, Larry C; Baugh, James S.; Purkey, Ronald E.; Petty, Harold L.; Radford, Larry D.  
Optional: Lundy, Dennis L.; Preslar, Jacky D.  
Subject: KIF - By Product Disposal - Meeting on Peer Review Response

Location: LP 5N C06  
When: Wednesday, November 10, 2004 8:00 AM-12:00 PM.

KIF - By Product Disposal - Meeting on Peer Review Response - Phone number in that room is 751-6587. Please inform Lynn Petty x-6704 if you need to tie in by phone.

I

**Haber, Stanley M**

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**From:** Purkey, Ronald E.  
**Sent:** Friday, October 29, 2004 8:06 AM  
**To:** Purkey, Ronald E.; Baugh, James S.; Sutton, Michael E.; Hedgecoth, Melissa A.; Davis, Michael D; Nelson, Jeremy M.; Lankford, Brian S.  
**Cc:** Petty, Harold L.; Albright, John G.; Powell, Ronald D.; Minghini, Cherie M.; Bowers, Larry C; Thomas, Stacci P.; Lundy, Dennis L.; Haber, Stanley M.; Mason, Michael E.; Elder, B. Keith; Reed, Jerry L.  
**Subject:** Geotechnical Engineering peer review studies at ALF; JOF; JSF; AND KIF  
**Attachments:** peerstudies.doc

I have attached a revised matrix of the various studies for your information. Please note plant presentation date changes. Thanks.

Ron Purkey

03/14/2009

TVA-00027924

## AE Study - Information Matrix

	<b>JOF</b>	<b>KIF</b>	<b>JSF</b>	<b>ALF</b>
<b>Task AE</b>	FMSM	Geosyntec	Geosyntec	GAI
<b>Contract No.</b>	39707	39440	39440	39661
<b>AE Contact</b>	Craig Avery	Neil Davies	Neil Davies	Joe Phillips
<b>Short Code</b>	001DCDN	001DCDM	001DCDL	001DCDP
<b>Contract Amount</b>	\$47,425	\$68,506	\$39,544	\$24,600
<b>TVA RE</b>	Cherie Minghini 423-751-6375	Ron Powell 423-751-8912	John Albright 423-751-3981	John Albright 423-751-3981
<b>Plant Contact</b>	Roger Teague	Harold Catlett	Hal Stevens	F. Dominioni
<b>Task Start Date</b>	9/15/04	9/15/04	9/27/04	9/27/04
<b>Plant Trip / Kickoff Date</b>	9/16/04	9/29/04	9/30/04	9/28/04
<b>Weekly Telecon Date / Meeting Time &amp; Number</b>	751-2428 6375 Tuesdays 11 am ET	751-2428 8912 Mondays 1 pm ET	751-2428 3981 Mondays 2 pm ET	751-2428 3981 Mondays 10 am ET
<b>Report Finish Date</b>	10/29/04	11/3/04	11/05/04	11/05/04
<b>Report Trip / Time for Presentation of Report</b>	11/18/04 10:30 am CT	11/10/04 1 pm ET	11/22/04 10 am ET	11/15/04 10 am CT

**Haber, Stanley M**

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**From:** Powell, Ronald D.  
**Sent:** Tuesday, October 12, 2004 3:15 PM  
**To:** Petty, Harold L.; Radford, Larry D.; Bowers, Larry C; Smith, Amos L; Baugh, James S.; Purkey, Ronald E.; Hedgecoth, Melissa A.; Deskins, Earl L; Catlett, James H; Haber, Stanley M.; Campbell, Linda F.; Purkey, Ronald E.; Neil Davies (ndavies@geosyntec.com)  
**Subject:** KIF Gypsum Stack Peer Review - Weekly Telecons  
**Attachments:** Meeting: KIF Gypsum Stack {Meeting ID: 8912}

Those listed:

Please note that the subject telecons described in the attachment are scheduled for each Monday at 1PM through completion of this project.

Thanks,  
**Ron Powell**  
**Sr. Civil Engineer**  
**423-751-8912**  
**[rdpowell@tva.gov](mailto:rdpowell@tva.gov)**

Appointment MeetingPlace

This meeting exists in the Calendar. It may have been moved or deleted.

From: Latitude

Sent: Mon 10/04/2004 10:45 AM

Required: Powell, Ronald D.

Optional:

Subject: Meeting: KIF Gypsum Stack {Meeting ID: 8912}

Location:

When: Occurs every Monday effective 10/11/2004 until 11/29/2004 from 1:00 PM to 2:00 PM (GMT-05:00) Eastern Time (US & Canada).

Ronald Powell has invited you to a MeetingPlace e-Conference (Mtg ID 8912) on MeetingPlace, October 11, 2004 at 01:00 PM America/New\_York. If provided, use the following password:

To attend from your PC:

- 1) Launch the attached "Click to Attend" web link, or browse to <http://latitude.cha.tva.gov> & enter Mtg ID 8912  
A MeetingPlace web page appears.
- 2) Click Join Voice & enter your phone number
- 3) Click Join Data

Alternatively, call 423-751-2428 or . Enter Mtg ID 8912 when prompted.

For more info about this MeetingPlace e-Conference, contact: Ronald Powell,

"Click to Attend" Web Link:

<http://latitude/attend/FeEkfPmBpDILeNjaJnCIIIjlfmDnlmiaFbKjMdjoFloofpfbjhePIMdalghpjkkCgHaDjahjKJlhCIMocJdbddCgHeDeOIEagkpHjkggifbcfm>

## Haber, Stanley M

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**Subject:** FW: Meeting: Powell {Meeting ID: 8912}  
**Start:** Tue 10/12/2004 1:30 PM  
**End:** Tue 10/12/2004 2:30 PM  
**Show Time As:** Tentative  
**Recurrence:** (none)  
**Meeting Status:** Not yet responded

-----Original Appointment-----

**From:** Latitude  
**Sent:** Tuesday, October 12, 2004 1:16 PM  
**To:** Latitude; Powell, Ronald D.  
**Subject:** Meeting: Powell {Meeting ID: 8912}  
**When:** Tuesday, October 12, 2004 1:30 PM-2:30 PM (GMT-05:00) Eastern Time (US & Canada).  
**Where:**

Ronald Powell has invited you to a MeetingPlace e-Conference (Mtg ID 8912) on MeetingPlace, October 12, 2004 at 01:30 PM America/New\_York. If provided, use the following password:

To attend from your PC:

- 1) Launch the attached "Click to Attend" web link, or browse to <http://latitude.cha.tva.gov> & enter Mtg ID 8912  
A MeetingPlace web page appears.
- 2) Click Join Voice & enter your phone number
- 3) Click Join Data

Alternatively, call 423-751-2428 or . Enter Mtg ID 8912 when prompted.

For more info about this MeetingPlace e-Conference, contact: Ronald Powell,

"Click to Attend" Web Link:

<http://latitude/attend/FeEkfPmBpDgKjoCbfcNjJlIbNmEhkDbKekfpidJnDaLdlpcpDndHdNkEooieDalgAjIkkKahpiHdNoEdAfLpIdoFloofpgdekhf>

**Haber, Stanley M**

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**From:** Powell, Ronald D.  
**Sent:** Friday, October 08, 2004 5:53 PM  
**To:** Petty, Harold L.; Radford, Larry D.; Bowers, Larry C; Smith, Amos L; Baugh, James S.; Purkey, Ronald E.; Hedgecoth, Melissa A.; Deskins, Earl L; Catlett, James H; Haber, Stanley M.; Campbell, Linda F.; Purkey, Ronald E.  
**Subject:** FW: Weekly Telecon

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

**From:** Powell, Ronald D.  
**Sent:** Friday, October 08, 2004 5:39 PM  
**To:** 'NDavies@GeoSyntec.com'  
**Subject:** RE: Weekly Telecon

Neil,  
That is correct. We will have the telecon at 1pm tuesday.  
Ron

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

**From:** NDavies@GeoSyntec.com [mailto:NDavies@GeoSyntec.com]  
**Sent:** Friday, October 08, 2004 2:01 PM  
**To:** Powell, Ronald D.  
**Subject:** FW: Weekly Telecon

Ron:  
I assume that Kingston will also be postponed to Tuesday. Can you please confirm this?

Neil

---

**From:** Albright, John G. [mailto:jgalbright@tva.gov]  
**Sent:** Friday, October 08, 2004 1:40 PM  
**To:** Neil Davies  
**Subject:** Weekly Telecon

Because Monday the 11th is a federal holiday, our weekly telecon will be at the normal time, but on Tuesday.

Talk to you then!



(423) 751-3981

"The smallest minority on earth is the individual.  
Those who deny individual rights cannot claim  
to be defenders of minorities." - Ayn Rand



03/14/2009

**Haber, Stanley M**

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**From:** Purkey, Ronald E.  
**Sent:** Thursday, October 07, 2004 10:46 AM  
**To:** Haber, Stanley M.  
**Subject:** FW: Geotechnical Engineering studies at ALF; JOF; JSF; AND KIF  
**Attachments:** peerstudies.doc

the study costs went up 3500.

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

**From:** Purkey, Ronald E.  
**Sent:** Friday, October 01, 2004 3:14 PM  
**To:** Baugh, James S.; Sutton, Michael E.; Hedgecoth, Melissa A.; Davis, Michael D; Nelson, Jeremy M.  
**Cc:** Petty, Harold L.; Albright, John G.; Powell, Ronald D.; Minghini, Cherie M.; Bowers, Larry C; Thomas, Stacci P.; Lundy, Dennis L.  
**Subject:** Geotechnical Engineering studies at ALF; JOF; JSF; AND KIF

I have attached a matrix of the various studies for your information. Thanks.

Ron Purkey

## AE Study - Information Matrix

	<b>JOF</b>	<b>KIF</b>	<b>JSF</b>	<b>ALF</b>
<b>Task AE</b>	FMSM	Geosyntec	Geosyntec	GAI
<b>Contract No.</b>	39707	39440	39440	39661
<b>AE Contact</b>	Craig Avery	Neil Davies	Neil Davies	Joe Phillips
<b>Short Code</b>	001DCDN	001DCDM	001DCDL	001DCDP
<b>Contract Amount</b>	\$47,425	\$68,506	\$39,544	\$24,600
<b>TVA RE</b>	Cherie Minghini 423-751-6375	Ron Powell 423-751-8912	John Albright 423-751-3981	John Albright 423-751-3981
<b>Plant Contact</b>	Roger Teague	Harold Catlett	Hal Stevens	F. Dominioni
<b>Task Start Date</b>	9/15/04	9/15/04	9/27/04	9/27/04
<b>Plant Trip / Kickoff Date</b>	9/16/04	9/29/04	9/30/04	9/28/04
<b>Weekly Telecon Date / Meeting Time &amp; Number</b>	751-2428 6375 Tuesdays 11 am ET	751-2428 8912 Mondays 1 pm ET	751-2428 3981 Mondays 2 pm ET	751-2428 3981 Mondays 10 am ET
<b>Report Finish Date</b>	10/29/04	11/3/04	11/05/04	11/05/04
<b>Report Trip / Time for Presentation of Report</b>	11/04/04 Thursday	11/10/04 1 pm ET	11/27/04 10 am ET	11/15/04 10 am CT

**Haber, Stanley M**

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**From:** Purkey, Ronald E.  
**Sent:** Monday, October 04, 2004 8:56 AM  
**To:** Haber, Stanley M.  
**Cc:** Lundy, Dennis L.; Petty, Harold L.  
**Subject:** RE: Geotechnical Engineering studies at ALF; JOF; JSF; AND KIF

Stan,  
I got the short codes from Jeremy Nelson earlier and did not realize you were involved.  
Ron

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

**From:** Haber, Stanley M.  
**Sent:** Monday, October 04, 2004 8:49 AM  
**To:** Purkey, Ronald E.  
**Cc:** Lundy, Dennis L.; Petty, Harold L.  
**Subject:** FW: Geotechnical Engineering studies at ALF; JOF; JSF; AND KIF

Ron,

It would be easier to keep the budget straight if you kept me in the loop on this. We just turned in the Phase 1 project request with \$50k budgeted for the KIF peer review (see the the attached email that you were copied on). Based on your email to Mike on Friday, you are now \$15K over budget.

Stan

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

**From:** Davis, Michael D  
**Sent:** Monday, October 04, 2004 8:21 AM  
**To:** Mason, Michael E.; Haber, Stanley M.; Elder, B. Keith; Evans, Kelly E.  
**Subject:** FW: Geotechnical Engineering studies at ALF; JOF; JSF; AND KIF

FYI include in your respective budgets

**Michael D. Davis**

**Manager Yard Operations - Projects & Engineering**

Office (423) 751 - 7864  
Mobile (423) 240 - 7909  
FAX (423) 751 - 6701

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

**From:** Purkey, Ronald E.  
**Sent:** Friday, October 01, 2004 3:14 PM  
**To:** Baugh, James S.; Sutton, Michael E.; Hedgecoth, Melissa A.; Davis, Michael D; Nelson, Jeremy M.  
**Cc:** Petty, Harold L.; Albright, John G.; Powell, Ronald D.; Minghini, Cherie M.; Bowers, Larry C; Thomas, Stacci P.; Lundy, Dennis L.  
**Subject:** Geotechnical Engineering studies at ALF; JOF; JSF; AND KIF

I have attached a matrix of the various studies for your information. Thanks.

03/14/2009

TVA-00027933

Ron Purkey

03/14/2009

**Haber, Stanley M**

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**From:** Haber, Stanley M.  
**Sent:** Monday, October 04, 2004 8:49 AM  
**To:** Purkey, Ronald E.  
**Cc:** Lundy, Dennis L.; Petty, Harold L.  
**Subject:** FW: Geotechnical Engineering studies at ALF; JOF; JSF; AND KIF  
**Attachments:** peerstudies.doc; KIF530 (Develop Ash capacity): Request for PA

**Tracking:**

Recipient	Delivery
Purkey, Ronald E.	Delivered: 10/04/2004 8:49 AM
Lundy, Dennis L.	
Petty, Harold L.	Delivered: 10/04/2004 8:49 AM

Ron,

It would be easier to keep the budget straight if you kept me in the loop on this. We just turned in the Phase 1 project request with \$50k budgeted for the KIF peer review (see the the attached email that you were copied on). Based on your email to Mike on Friday, you are now \$15K over budget.

Stan

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

**From:** Davis, Michael D  
**Sent:** Monday, October 04, 2004 8:21 AM  
**To:** Mason, Michael E.; Haber, Stanley M.; Elder, B. Keith; Evans, Kelly E.  
**Subject:** FW: Geotechnical Engineering studies at ALF; JOF; JSF; AND KIF

FYI include in your respective budgets

**Michael D. Davis**

**Manager Yard Operations - Projects & Engineering**

Office (423) 751 - 7864  
Mobile (423) 240 - 7909  
FAX (423) 751 -6701

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

**From:** Purkey, Ronald E.  
**Sent:** Friday, October 01, 2004 3:14 PM  
**To:** Baugh, James S.; Sutton, Michael E.; Hedgecoth, Melissa A.; Davis, Michael D; Nelson, Jeremy M.  
**Cc:** Petty, Harold L.; Albright, John G.; Powell, Ronald D.; Minghini, Cherie M.; Bowers, Larry C; Thomas, Stacci P.; Lundy, Dennis L.  
**Subject:** Geotechnical Engineering studies at ALF; JOF; JSF; AND KIF

I have attached a matrix of the various studies for your information. Thanks.

Ron Purkey

03/14/2009

## AE Study - Information Matrix

	<b>JOF</b>	<b>KIF</b>	<b>JSF</b>	<b>ALF</b>
<b>Task AE</b>	FMSM	Geosyntec	Geosyntec	GAI
<b>Contract No.</b>	39707	39440	39440	39661
<b>AE Contact</b>	Craig Avery	Neil Davies	Neil Davies	Joe Phillips
<b>Short Code</b>	001DCDN	001DCDM	001DCDL	001DCDP
<b>Contract Amount</b>	\$47,425	\$65,000	\$39,544	\$24,600
<b>TVA RE</b>	Cherie Minghini 423-751-6375	Ron Powell 423-751-8912	John Albright 423-751-3981	John Albright 423-751-3981
<b>Plant Contact</b>	Roger Teague	Harold Catlett	Hal Stevens	F. Dominioni
<b>Task Start Date</b>	9/15/04	9/15/04	9/27/04	9/27/04
<b>Plant Trip / Kickoff Date</b>	9/16/04	9/29/04	9/30/04	9/28/04
<b>Weekly Telecon Date / Meeting Time &amp; Number</b>	751-2428 6375 Tuesdays 11 am ET	751-2428 8912 Mondays 1 pm ET	751-2428 3981 Mondays 2 pm ET	751-2428 3981 Mondays 10 am ET
<b>Report Finish Date</b>	10/29/04	11/3/04	11/05/04	11/05/04
<b>Report Trip / Time for Presentation of Report</b>	11/04/04 Thursday	11/10/04 1 pm ET	11/27/04 10 am ET	11/15/04 10 am CT

**Haber, Stanley M**

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**From:** Haber, Stanley M.  
**Sent:** Friday, September 17, 2004 9:12 AM  
**To:** Auguste, Myriam B.  
**Cc:** Halicks, David R.; Long, S. Scott; Davis, Michael D; Hedgecoth, Melissa A.; Baugh, James S.; Purkey, Ronald E.; Petty, Harold L.; Rehberg, Robert L.; Holmes, James B.; Catlett, James H; Tolliver, Sherry D.  
**Subject:** KIF530 (Develop Ash capacity): Request for PA  
**Attachments:** KIF530 Input for Cost Estimate Summary 2004 09 09 R0.xls; KIF530 CPJSForm 2004 09 16 r1.pdf; Project Summary Sheet(04513) 2004 08 16.rtf; Estimate(04513) 2004 08 16.pdf

Myriam,

Please prepare a revised PA for KIF530. I have attached the PJ (revision 1), my cost input sheet, the cost estimate, and the cost rollup for your use.

Stan

03/14/2009

TVA-00027937



1	KIF530: Develop Fly Ash, Gypsum, and Bottom Ash Storage									
2	Phase/Activity	FY04	FY05	FY06	FY07	FY08	Totals	Prv Yrs		
3										
4										
5	<b>Phase 1</b>									
6	Engineering	200	195				395			
7	PE/PC/PS		12				12			
8	Plant Support		5				5			
9	PSS - Inspection						0			
10										
11	<b>Total Phase 1</b>	<b>200</b>	<b>212</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>412</b>			
12										
13	<b>Phase 2</b>									
14										
15	Engineering (Systems and EDS)	0	30	70	300	0	400			
16										
17	PE/PC/PS	0	20	25	30	0	75			
18										
19	GUBMK/HED (estimate)	0	15	0	0	0	15			
20	Plant Support	0	3	0	0	0	3			
21										
22	Long Lead Material (LLM)									
23	<i>blank</i>	0	200	200		0	400			
24	<i>blank</i>	0	0		2500	4000	6500			
25	<i>total LLM</i>	0	200	200	2500	4000	6900			
26										
27	<b>Total Phase 2</b>	<b>0</b>	<b>268</b>	<b>295</b>	<b>2830</b>	<b>4000</b>	<b>7393</b>			
28										

1	KIF530: Develop Fly Ash, Gypsum, and Bottom Ash Storage									
2	Phase/Activity	FY04	FY05	FY06	FY07	FY08	Totals	Prv Yrs		
29	<u>Phase 3</u>									
30										
31	Engineering	0	25	30	200	200	455			
32										
33	PE/PC/PS	0	25	25	15	35	100			
34										
35	Plant Support	0	20	20	20	20	80			
36										
37	Installation (x )									
38	GUBMK	0	0	0	20	20	40			
39	blank	0	0	0	0	0	0			
40	Total GUBMK	0	0	0	20	20	40			
41										
42	Turnkey Installation	0	1075	1,135	1960	3725	7895			
43	blank	0	0	0	0	0	0			
44	Total	0	1075	1135	1960	3725	7895			
45										
46	Asbestos abatement (GUBMK)	0	0	0	0	0	0			
47										
48	Total Installation	0	1075	1135	1980	3745	7935			
49										
50	Total Phase 3	0	1145	1210	2215	4000	8570			
51										
52	Total: All Phases	200	1625	1505	5045	8000	16375			
	Current funding	200	75	100	8000	8000	16375			
	Differential	0	1550	1405	-2955	0	0			
	<b>Assumptions:</b>									
	1. Original project PJ was for a DFA system; Design and installation of system was to be by turnkey contractor; scope similar to CUF dry fly ash system.									
	2. Design of BOP interfaces will be by FE&TS									
	3. FE&TS Lead will be Civil Department									
	4. An outage will be required for some BOP interface tie-ins									
	5. Ph 1 eng includes Peer review (\$50k), study of deep french drains (\$70k), answering permit questions (\$75k)									

# Capital Project Justification Form

**Project Name**

KIF--DEVELOP FLY ASH, GYPSUM &amp; BOTTOM ASH DISPOSAL CAPACITY

CSF: Achieve excellence in the Asset optimization and production processes.

**Project ID**

KIF530

**Rev#**

1

## I. Project Description

**Organization**

Owner: FPG

Lead: Yard Operations

**Project**

Type: Capital

Cat: ASSET PRESERVATION

Prgm: No Program

**Location**

Loc: KIF

**Estimated Actual****Technical Contact**

Name: HEDGECOTH, MELISSA A

Phone: 423/751-6426

Start Date: 07/30/2003

In-Svc Date: 09/30/2008

Outage Date:

**Responsible Mgr**

Name: DAVIS, MICHAEL D

Phone: 423/751-7864

**Problem Description**

Analysis of recent dike failure in the existing dredge cells has raised uncertainties regarding the current long-term disposal plans for fly ash and bottom ash. An emergency cell was developed (O&M) which will provide a maximum of three years of fly ash and bottom ash capacity. In addition, planned scrubbers for Kingston will produce an additional high-volume by-product which may be co-disposed with fly ash and bottom ash beginning in FY 2009.

**Project Scope**

Expansion of dredge cell adjacent to existing dredge cell by construction of a new dike. Scope will also include development of a waste stack for flyash, bottom ash and gypsum within the existing perimeter dikes of the active ash disposal area.

Perform detailed analysis to determine the overall structural, environmental, and operational viability of continuing to raise and dredge to the existing dredge cells, considering the recent failure along Swan Pond road and the saturation of the lower dikes along the backwaters of the Emory river.

Perform engineering analysis and collect field data as required to develop a detailed design for maximizing the disposal capacity of fly ash, bottom ash and gypsum on the existing ash pond complex at the Kingston Fossil Plant while maintaining the required Free Water Volume. The detailed design should consider economic, structural, environmental and operational issues and impacts associated with long term ash disposal. The engineering suitability of ash currently produced at Kingston for storage in an engineered stack should be verified through testing (if this has not already been satisfactorily completed). A part II permit package is to be submitted to Environmental Affairs.

Scope will also include the design, materials procurement, and installation as necessary to support the engineering study findings.

**Performance Measurement**

Permitted disposal capacity for fly ash and bottom ash by FY 2007. Permitted disposal capacity for gypsum by FY 2009.

**Other Options/Alternatives**

Reduce or discontinue plant operations such that no ash is produced, or locate an existing off-site permitted disposal area and pay a tipping fee to haul all of Kingston's ash there.

**Reason For Change**

R1: Change in project cost (R0 was based on a dry fly ash system, no construction until FY07). New project cash flow represents development of ash and gypsum disposal capacities with design and construction starting in FY05.

# Capital Project Justification Form

**Project Name**

KIF--DEVELOP FLY ASH, GYPSUM & BOTTOM ASH DISPOSAL CAPACITY

**CSF:** Achieve excellence in the Asset optimization and production processes.

**Project ID**

KIF530

**Rev#**

1

**News Release**

N/A

# Capital Project Justification Form

**Project Name**

KIF--DEVELOP FLY ASH, GYPSUM & BOTTOM ASH DISPOSAL CAPACITY

CSF: Achieve excellence in the Asset optimization and production processes.

**Project ID**

KIF530

**Rev#**

1

## II. Project Economic Evaluation

**COST**

SUNK CAPITAL PROJECTS: \$0

SUNK O&M PROJECTS: \$0

REMAINING COST: \$15,942

TOTAL COST: \$15,942

ESTIMATE TYPE: Conceptual

**ECONOMIC INDICATORS**

NPV: \$8,579.0

PI: 1.825

IRR: 42.0

SIMPLE PAYBACK: 6

BASE YEAR: 2004

Year	Capital Cost	O&M Cost	Total Benefit	O&M Base Increase	Environmental Cost
<b>SUNK</b>	0	0	0	0	
<b>OUT YEARS</b>	0	0	0	0	
2004	200	0	0	0	0
2005	1,625	0	0	0	0
2006	1,505	0	0	0	0
2007	5,045	0	5,000	0	0
2008	7,567	0	5,000	0	0
2009	0	0	5,000	0	0
2010	0	0	5,000	0	0
2011	0	0	5,000	0	0
2012	0	0	5,000	0	0
2013	0	0	5,000	0	0
2014	0	0	5,000	0	0
2015	0	0	5,000	0	0
2016	0	0	5,000	0	0
2017	0	0	0	0	0
2018	0	0	0	0	0
2019	0	0	0	0	0
2020	0	0	0	0	0
2021	0	0	0	0	0
2022	0	0	0	0	0
2023	0	0	0	0	0

# Capital Project Justification Form

**Project Name**

KIF--DEVELOP FLY ASH, GYPSUM & BOTTOM ASH DISPOSAL CAPACITY

CSF: Achieve excellence in the Asset optimization and production processes.

**Project ID**

KIF530

**Rev#**

1

## II. Project Economic Evaluation

**Cost Assumptions**

1. \$7,805K engineering and procurement cost.
  
2. \$8,132K Implementation cost.
  
3. No significant marketing or utilization of ash or gypsum will take place.  
  
Waste production (cubic yards per year):  
Fly Ash = 410,000  
Bottom Ash = 90,000  
Gypsum = 750,000
  
4. The existing dredge cells and ponds shall be utilized to the extent possible to obtain an additional ten years of disposal capacity.

**Risks**

- No similar projects.
- Conceptual estimate (no similar projects)
- Based on historical data (ash) and similar projects (gypsum).
- Support of plant business plan.

**Benefit Assumptions**

1. Haul fly ash and bottom ash offsite to an existing permitted disposal site @ \$10/ton for 500,000 tons per year = \$5,000k per year for ten years.

**Risks**

- Assumes a disposal site can be found within 30 miles of the plant which could handle 500,000 tons per year.

# Capital Project Justification Form

**Project Name**

KIF--DEVELOP FLY ASH, GYPSUM & BOTTOM ASH DISPOSAL CAPACITY

CSF: Achieve excellence in the Asset optimization and production processes.

**Project ID**

KIF530

**Rev#**

1

## II. Project Economic Evaluation

### Project EconEval

Benefit Input Section

Unit: 70

Base Calc Year: 2004

Fiscal Year	Heat Rate Imprvmn	Forced Outage Hours	Forced Derating MW	Forced Derating HRS	MWHL	O&M Base Increase (\$000's)	O&M Base Savings (\$000's)	Other Benefits Savings (\$000's)	Outage Duration Reduction (HRS)	Project Cost (\$000's)
2004	0	0	0	0	0	0	0	0	0	200
2005	0	0	0	0	0	0	0	0	0	2,058
2006	0	0	0	0	0	0	0	0	0	1,505
2007	0	0	0	0	0	0	0	5,000	0	5,045
2008	0	0	0	0	0	0	0	5,000	0	7,567
2009	0	0	0	0	0	0	0	5,000	0	0
2010	0	0	0	0	0	0	0	5,000	0	0
2011	0	0	0	0	0	0	0	5,000	0	0
2012	0	0	0	0	0	0	0	5,000	0	0
2013	0	0	0	0	0	0	0	5,000	0	0
2014	0	0	0	0	0	0	0	5,000	0	0
2015	0	0	0	0	0	0	0	5,000	0	0
2016	0	0	0	0	0	0	0	5,000	0	0
2017	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0

# Capital Project Justification Form

**Project Name**

KIF--DEVELOP FLY ASH, GYPSUM & BOTTOM ASH DISPOSAL CAPACITY

CSF: Achieve excellence in the Asset optimization and production processes.

**Project ID**

KIF530

**Rev#**

1

## II. Project Economic Evaluation

### Project EconEval(continued)

Benefit Value Section

Unit: 70

Base Calc Year: 2004

Fiscal Year	Heat Rate Benefit	MWH Improve In (000's)	Unit EFOR Impact	System EFOR Impact	O&M Base Savings (\$000's)	Other Benefits Savings	Outage Redctns Savings In (\$000's)	Benefit Value In (\$000's)
2004	0	0	0	0	0	0	0	0
2005	0	0	0	0	0	0	0	0
2006	0	0	0	0	0	0	0	0
2007	0	0	0	0	0	5,000	0	5,000
2008	0	0	0	0	0	5,000	0	5,000
2009	0	0	0	0	0	5,000	0	5,000
2010	0	0	0	0	0	5,000	0	5,000
2011	0	0	0	0	0	5,000	0	5,000
2012	0	0	0	0	0	5,000	0	5,000
2013	0	0	0	0	0	5,000	0	5,000
2014	0	0	0	0	0	5,000	0	5,000
2015	0	0	0	0	0	5,000	0	5,000
2016	0	0	0	0	0	5,000	0	5,000
2017	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0



**Kingston Fossil Plant**  
**Develop Fly Ash, Gypsum & Bottom Ash Disposal Capacity**  
**Development of a waste stack for fly ash, bottom ash**

Estimate Number: 04513	Option: 0	PCN Number: KIF530
Plant: KIF	Revision: 0	Estimate Type: Conceptual
Cost Engineer: Sys. Eng.	Unit #:	Estimate Accuracy: +/- 30%
Requesting Engr: S. M. Haber	Phase: 1	Estimate Issue Date: 08/16/2004

<u>Phase I</u>	<u>Hours</u>	<u>Dollars</u>
Engineering		\$270,000
Partner (Non-Manual)		
Other / Other Organizations		\$5,000
	<b><u>Total Phase I</u></b>	<b><u>\$275,000</u></b>
<u>Phase II</u>		
Engineering		\$425,000
Long Lead Procurement		\$8,000,000
Partner ( Non-Manual )		\$35,000
Other / Other Organizations		\$25,000
	<b><u>Total Phase II</u></b>	<b><u>\$8,485,000</u></b>
<u>Phase III</u>		
Construction ( Partner )		
Permanent Material		\$0
Labor ( T&L )		\$40,000
Labor ( Non-Manual )		
Equipment		\$0
Subcontracts		\$7,085,000
Partner Fee		\$0
Partner Insurance		\$0
Escalation		\$0
Construction Risk Dollars		\$0
Other		\$0
Total Construction Cost		\$7,125,000
Engineering		\$450,000
Direct plant support + TVA Other Costs		\$40,000
Project Risk Dollars		\$0
Other / Other Organizations		\$0
	<b><u>Total Phase III</u></b>	<b><u>\$7,615,000</u></b>
<u>All Phases</u>		
Construction Partner		\$7,160,000
Long Lead Procurement		\$8,000,000
Engineering		\$1,145,000
Other / Other Organizations		\$70,000
Total Risk Dollars		\$0
	<b><u>Total Project Costs</u></b>	<b><u>\$16,375,000</u></b>
	<b><u>For Information only Total Environmental</u></b>	<b><u>\$0</u></b>
	<b><u>For Information only Total Demolition Costs</u></b>	<b><u>\$0</u></b>

**Kingston Fossil Plant**  
**Develop Fly Ash, Gypsum & Bottom Ash Disposal Capacity**  
**Development of a waste stack for flyash, bottom ash & gypsum.**

Project name	Ash Disposal
Estimator	Sys. Eng.
Plant	KIF
Estimate #	04513
PCN #	KIF530
Requesting Engr	S. M. Haber
Option	0
Revision	0
Phase	1
Estimate Type	Conceptual
Estimate Accuracy	+/- 30%
Est. Issue Date	08/16/2004
Funding Type	Capital
Report format	Sorted by 'Location/Activity' 'Detail' summary

Location	Activity	Description	Takeoff Quantity	Labor Amount	Material Amount	Sub Amount	Equip Amount	Other Amount	Total Amount
KIF	Ash System								
		Material (Blank)	1.00 Is		8,000,000				8,000,000
		Craft Labor (GUMBK)	1.00 Is	40,000					40,000
		GUMBK (Ph II)	1.00 Is					35,000	35,000
		Plant Support (Ph III)	1.00 Is					40,000	40,000
		Turnkey Installation	1.00 Is			7,085,000			7,085,000

Estimate Totals

			hrs		
Labor	40,000		1,086,366		
Material	8,000,000				
Subcontract	7,085,000				
Other	75,000				
	<u>15,200,000</u>				
Engineered Materials - Ph 2	8,000,000		100.000 %	C	
Adjustment - Engr Materials	(8,000,000)		(100.000) %	C	
	<u>15,200,000</u>				
Environmental Costs			100.000 %	C	
Adjustment Environmental			(100.000) %	C	
	<u>15,200,000</u>				
Demolition Costs			100.000 %	C	
Adjustment Demolition			(100.000) %	C	
	<u>15,200,000</u>				
FPG Engineering - Phase 1	250,000		547,917 % @	42.00 A	5,952
FPG Proj Engr - Phase 1	17,312		37,942 % @	42.00 A	412
FPG Estimating - Phase 1	1,008		2,209 % @	42.00 A	24
FPG Proj Contrl - Phase 1	1,680		3,682 % @	42.00 A	40
Plant Support - Phase 1	<u>5,000</u>				
	275,000				
FPG Engineering - Phase 2	370,000		810,917 % @	42.00 A	8,810
FPG Proj Engr - Phase 2	49,960		109,496 % @	42.00 A	1,190
FPG Estimating - Phase 2	1,008		2,209 % @	42.00 A	24
FPG Proj Contrl - Phase 2	3,360		7,364 % @	42.00 A	80
FPG Records - Phase 2	672		1,473 % @	42.00 A	16
Plant Support - Phase 2	<u>25,000</u>				
	450,000				
FPG Engineering - Phase 3	400,000		876,867 % @	42.00 A	9,524
FPG Proj Engr - Phase 3	47,312		103,692 % @	42.00 A	1,126
FPG Proj Contrl - Phase 3	1,680		3,682 % @	42.00 A	40
FPG Records - Phase 3	<u>1,008</u>		2,209 % @	42.00 A	24
	450,000				
<b>Total</b>	<b>16,375,000</b>				

**Haber, Stanley M**

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**From:** Davis, Michael D  
**Sent:** Monday, October 04, 2004 8:21 AM  
**To:** Mason, Michael E.; Haber, Stanley M.; Elder, B. Keith; Evans, Kelly E.  
**Subject:** FW: Geotechnical Engineering studies at ALF; JOF; JSF; AND KIF  
**Attachments:** peerstudies.doc

FYI include in your respective budgets

**Michael D. Davis****Manager Yard Operations - Projects & Engineering**

Office (423) 751 - 7864  
Mobile (423) 240 - 7909  
FAX (423) 751 - 6701

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

**From:** Purkey, Ronald E.  
**Sent:** Friday, October 01, 2004 3:14 PM  
**To:** Baugh, James S.; Sutton, Michael E.; Hedgecoth, Melissa A.; Davis, Michael D; Nelson, Jeremy M.  
**Cc:** Petty, Harold L.; Albright, John G.; Powell, Ronald D.; Minghini, Cherie M.; Bowers, Larry C; Thomas, Stacci P.; Lundy, Dennis L.  
**Subject:** Geotechnical Engineering studies at ALF; JOF; JSF; AND KIF

I have attached a matrix of the various studies for your information. Thanks.

Ron Purkey

03/14/2009

TVA-00027950

## AE Study - Information Matrix

	<b>JOF</b>	<b>KIF</b>	<b>JSF</b>	<b>ALF</b>
<b>Task AE</b>	FMSM	Geosyntec	Geosyntec	GAI
<b>Contract No.</b>	39707	39440	39440	39661
<b>AE Contact</b>	Craig Avery	Neil Davies	Neil Davies	Joe Phillips
<b>Short Code</b>	001DCDN	001DCDM	001DCDL	001DCDP
<b>Contract Amount</b>	\$47,425	\$65,000	\$39,544	\$24,600
<b>TVA RE</b>	Cherie Minghini 423-751-6375	Ron Powell 423-751-8912	John Albright 423-751-3981	John Albright 423-751-3981
<b>Plant Contact</b>	Roger Teague	Harold Catlett	Hal Stevens	F. Dominioni
<b>Task Start Date</b>	9/15/04	9/15/04	9/27/04	9/27/04
<b>Plant Trip / Kickoff Date</b>	9/16/04	9/29/04	9/30/04	9/28/04
<b>Weekly Telecon Date / Meeting Time &amp; Number</b>	751-2428 6375 Tuesdays 11 am ET	751-2428 8912 Mondays 1 pm ET	751-2428 3981 Mondays 2 pm ET	751-2428 3981 Mondays 10 am ET
<b>Report Finish Date</b>	10/29/04	11/3/04	11/05/04	11/05/04
<b>Report Trip / Time for Presentation of Report</b>	11/04/04 Thursday	11/10/04 1 pm ET	11/27/04 10 am ET	11/15/04 10 am CT

**Haber, Stanley M**

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**From:** Petty, Harold L.  
**Sent:** Tuesday, September 28, 2004 7:41 AM  
**To:** Haber, Stanley M.  
**Subject:** FW: ALF; KIF; AND JSF TRIPS FOR PEER REVIEW

Stan:

fyi

Lynn

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

**From:** Purkey, Ronald E.  
**Sent:** Friday, September 24, 2004 3:17 PM  
**To:** Baugh, James S.; Hedgecoth, Melissa A.; Sutton, Michael E.; Lankford, Brian S.  
**Cc:** Petty, Harold L.; Davis, Michael D; Albright, John G.; Powell, Ronald D.  
**Subject:** ALF; KIF; AND JSF TRIPS FOR PEER REVIEW

As I believe you all may know, the trips for the subject reviews are as follows:

ALF - 9/28 meet with plant at 10:30 am in tech library (meet GAI at gate at 8:30 am for tour)

KIF - 9/29 meet with plant at 10 am in plant manager's conf room (meet Geosyntec at ball field at 8:30 am for tour)

JSF - 9/30 meet with plant at 10:30 am in assembly room (meet Geosyntec at campground at 9 am for tour)

Thanks.

**Ronald E. Purkey**  
**Manager of Civil Engineering**

LP 2G-C  
Phone 423-751-4820  
Cell 423-322-2740  
Fax 423-751-7094

**Haber, Stanley M**

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**From:** Bowers, Larry C  
**Sent:** Monday, September 27, 2004 3:48 PM  
**To:** Hedgecoth, Melissa A.; Baugh, James S.; Petty, Harold L.; Purkey, Ronald E.; Powell, Ronald D.; Smith, Amos L; Haber, Stanley M.; Radford, Larry D.; Settles, James T; Lowery, Kenny R.  
**Subject:** RE: Update to plant management at KIF

Draft HydroGeo report is being reviewed by GeoSyntec and comments are due this week. Report will be delivered to TDEC on 10-13-04 after the meeting on BRF. It is expected that TDEC may want to discuss the KIF application at this meeting.

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

**From:** Hedgecoth, Melissa A.  
**Sent:** Monday, September 27, 2004 3:43 PM  
**To:** Baugh, James S.; Petty, Harold L.; Bowers, Larry C; Purkey, Ronald E.; Powell, Ronald D.; Smith, Amos L; Haber, Stanley M.; Radford, Larry D.; Settles, James T; Lowery, Kenny R.  
**Subject:** Update to plant management at KIF

At the last meeting with KIF plant management concerning the long term by-product disposal design / permit. Earl Deskins requested a short e-mail be sent out every month with a list of things that have been done since we last talked. Steve Baugh took that action item and has asked me to send out this e-mail to request input on the status of this project. Please reply by the end of the day tomorrow, such that we can update Earl on Wednesday while we are at the plant.

Thanks,  
Missy

03/14/2009

TVA-00027953



**Haber, Stanley M**

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**From:** Hedgecoth, Melissa A.  
**Sent:** Monday, September 27, 2004 3:43 PM  
**To:** Baugh, James S.; Petty, Harold L.; Bowers, Larry C.; Purkey, Ronald E.; Powell, Ronald D.; Smith, Amos L; Haber, Stanley M.; Radford, Larry D.; Settles, James T; Lowery, Kenny R.  
**Subject:** Update to plant management at KIF  
**Follow Up Flag:** Follow up  
**Due By:** Tuesday, September 28, 2004 12:00 AM  
**Flag Status:** Flagged

At the last meeting with KIF plant management concerning the long term by-product disposal design / permit. Earl Deskins requested a short e-mail be sent out every month with a list of things that have been done since we last talked. Steve Baugh took that action item and has asked me to send out this e-mail to request input on the status of this project. Please reply by the end of the day tomorrow, such that we can update Earl on Wednesday while we are at the plant.

Thanks,  
Missy

**Haber, Stanley M**

---

**From:** Auguste, Myriam B.  
**Sent:** Wednesday, September 22, 2004 3:30 PM  
**To:** Haber, Stanley M.  
**Cc:** Mealer, John A.  
**Subject:** FW: KIF530 (Develop Ash capacity): Request for PA

According to the schedule phase 2 will be completed on 4-15-05, but we are requesting \$295k in FY06, and \$2830k in FY07 for phase 2. Please let me know which one is correct. Thanks.

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

**From:** Auguste, Myriam B.  
**Sent:** Wednesday, September 22, 2004 2:52 PM  
**To:** Haber, Stanley M.  
**Subject:** RE: KIF530 (Develop Ash capacity): Request for PA

The PJ and the PA do not match.

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

**From:** Haber, Stanley M.  
**Sent:** Friday, September 17, 2004 9:12 AM  
**To:** Auguste, Myriam B.  
**Cc:** Halicks, David R.; Long, S. Scott; Davis, Michael D; Hedgecoth, Melissa A.; Baugh, James S.; Purkey, Ronald E.; Petty, Harold L.; Rehberg, Robert L.; Holmes, James B.; Catlett, James H; Tolliver, Sherry D.  
**Subject:** KIF530 (Develop Ash capacity): Request for PA

Myriam,

Please prepare a revised PA for KIF530. I have attached the PJ (revision 1), my cost input sheet, the cost estimate, and the cost rollup for your use.

Stan

03/14/2009

TVA-00027955

**Haber, Stanley M**

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**From:** Auguste, Myriam B.  
**Sent:** Wednesday, September 22, 2004 2:52 PM  
**To:** Haber, Stanley M.  
**Subject:** RE: KIF530 (Develop Ash capacity): Request for PA

The PJ and the PA do not match.

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

**From:** Haber, Stanley M.  
**Sent:** Friday, September 17, 2004 9:12 AM  
**To:** Auguste, Myriam B.  
**Cc:** Halicks, David R.; Long, S. Scott; Davis, Michael D; Hedgecoth, Melissa A.; Baugh, James S.; Purkey, Ronald E.; Petty, Harold L.; Rehberg, Robert L.; Holmes, James B.; Catlett, James H; Tolliver, Sherry D.  
**Subject:** KIF530 (Develop Ash capacity): Request for PA

Myriam,

Please prepare a revised PA for KIF530. I have attached the PJ (revision 1), my cost input sheet, the cost estimate, and the cost rollup for your use.

Stan

This meeting is not in the calendar; it may have been moved or deleted.

From: Petty, Harold L. on behalf of Deskins, Earl L. Sent: Wed 09/22/2004 1:40 PM  
Required: Haber, Stanley M.  
Optional:  
Subject: FW: Ash Pond Meeting to bring GEOTECH out to begin looking at the pond options.

Location: Plant Manager's Conference Room  
When: Wednesday, September 29, 2004 10:00 AM-12:00 PM.

-----Original Appointment-----  
**From:** Long, Theresa L. On Behalf Of Deskins, Earl L.  
**Sent:** Friday, September 03, 2004 12:28 PM  
**To:** Deskins, Earl L; Petty, Harold L.  
**Subject:** Ash Pond Meeting to bring GEOTECH out to begin looking at the pond options.  
**When:** Wednesday, September 29, 2004 10:00 AM-12:00 PM (GMT-05:00) Eastern Time (US & Canada).  
**Where:** Plant Manager's Conference Room

I

**Haber, Stanley M**

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**From:** Nelson, Jeremy M.  
**Sent:** Thursday, August 19, 2004 8:35 AM  
**To:** Purkey, Ronald E.; Haber, Stanley M.  
**Subject:** RE: KIF, JSF, JOF, AND ALF - Request to obtain geotechnical consultants

YO04SYSASH04

Jeremy Nelson  
Business Analyst Consultant  
Fossil Power Group  
Tennessee Valley Authority  
423-751-6912

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

**From:** Purkey, Ronald E.  
**Sent:** Wednesday, August 18, 2004 3:05 PM  
**To:** Haber, Stanley M.; Nelson, Jeremy M.  
**Subject:** RE: KIF, JSF, JOF, AND ALF - Request to obtain geotechnical consultants

Jeremy,  
Please answer. Thanks

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

**From:** Haber, Stanley M.  
**Sent:** Wednesday, August 18, 2004 3:00 PM  
**To:** Purkey, Ronald E.  
**Cc:** Auguste, Myriam B.; Tolliver, Sherry D.; Holmes, James B.  
**Subject:** RE: KIF, JSF, JOF, AND ALF - Request to obtain geotechnical consultants

Ron,

What project is this set up against?

Stan

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

**From:** Purkey, Ronald E.  
**Sent:** Wednesday, August 18, 2004 12:30 PM  
**To:** Thomas, Stacci P.; Petty, Harold L.; Sutton, Michael E.; Evans, Kelly E.; Elder, B. Keith; Mason, Michael E.; Haber, Stanley M.  
**Subject:** FW: KIF, JSF, JOF, AND ALF - Request to obtain geotechnical consultants

Please note the revised short codes below. Thanks.

Ron

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

**From:** Nelson, Jeremy M.  
**Sent:** Wednesday, August 18, 2004 11:29 AM  
**To:** Purkey, Ronald E.  
**Cc:** Davis, Michael D; Baugh, James S.

03/14/2009

TVA-00027958

**Subject:** RE: KIF, JSF, JOF, AND ALF - Request to obtain geotechnical consultants

JSF-001DCDL  
KIF-001DCDM  
JOF-001DCDN  
ALF-001DCDP

Jeremy Nelson  
Business Analyst Consultant  
Fossil Power Group  
Tennessee Valley Authority  
423-751-6912

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

**From:** Purkey, Ronald E.

**Sent:** Wednesday, August 18, 2004 10:58 AM

**To:** Nelson, Jeremy M.

**Cc:** Baugh, James S.; Thomas, Stacci P.; Petty, Harold L.; Sutton, Michael E.; Evans, Kelly E.; Elder, B. Keith; Mason, Michael E.; Haber, Stanley M.

**Subject:** FW: KIF, JSF, JOF, AND ALF - Request to obtain geotechnical consultants

Jeremy,

Per our conversation, I have attached the scopes of work for the 4 projects. These projects have schedules and scope attached. The short code on the forms have current blitz short codes. We need to get separate short codes to roll costs to capital projects later on. Please generate those 4 separate short codes. Stacci Thomas needs these short codes as she is putting together the contracts. Please email the new short codes to all cc's. Thanks.

Ron

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

**From:** Purkey, Ronald E.

**Sent:** Monday, August 16, 2004 11:42 AM

**To:** Longmire, David L.

**Cc:** Petty, Harold L.; Baugh, James S.; Smith, Daniel R.; Albright, John G.; Powell, Ronald D.; Minghini, Cherie M.; Haber, Stanley M.; Evans, Kelly E.; Elder, B. Keith; Mason, Michael E.; Bowers, Larry C; Lundy, Dennis L.

**Subject:** KIF, JSF, JOF, AND ALF - Request to obtain geotechnical consultants

David,

I have attached the TAO forms for 4 tasks for consultants per our discussion last week as follows:

**Geosyntec: 2 tasks**

**KIF - Engineering Peer Review of Coal Byproduct (Gypsum and Ash) disposal plans.**

**JSF - Study overview of JSF Additional Ash Disposal Project.**

**FMSM Engineers: 1 task**

03/14/2009

TVA-00027959

**JOF - Study overview of JOF Additional Ash Disposal Project.**

**GAI Consultants: 1 task**

**ALF - Study overview of ALF Additional Ash Disposal Project.**

**Short codes, requested schedules, scopes, and contact phone numbers etc are on the attached. Please secure the contracts with the geotechnical consultants. We are in the process of gathering data and will have data packages ready to send Friday 8/20 am. Please advise when, where, and to whom to send the packages.**

**I anticipate the costs to be approximately \$40,000 for the KIF task and \$25,000 for each of the remaining 3 tasks.**

**Thanks.**

**Ron Purkey**

03/14/2009

TVA-00027960

**Haber, Stanley M**

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**From:** Purkey, Ronald E.  
**Sent:** Wednesday, August 18, 2004 3:05 PM  
**To:** Haber, Stanley M.; Nelson, Jeremy M.  
**Subject:** RE: KIF, JSF, JOF, AND ALF - Request to obtain geotechnical consultants

Jeremy,  
Please answer. Thanks

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

**From:** Haber, Stanley M.  
**Sent:** Wednesday, August 18, 2004 3:00 PM  
**To:** Purkey, Ronald E.  
**Cc:** Auguste, Myriam B.; Tolliver, Sherry D.; Holmes, James B.  
**Subject:** RE: KIF, JSF, JOF, AND ALF - Request to obtain geotechnical consultants

Ron,

What project is this set up against?

Stan

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

**From:** Purkey, Ronald E.  
**Sent:** Wednesday, August 18, 2004 12:30 PM  
**To:** Thomas, Stacci P.; Petty, Harold L.; Sutton, Michael E.; Evans, Kelly E.; Elder, B. Keith; Mason, Michael E.; Haber, Stanley M.  
**Subject:** FW: KIF, JSF, JOF, AND ALF - Request to obtain geotechnical consultants

Please note the revised short codes below. Thanks.

Ron

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

**From:** Nelson, Jeremy M.  
**Sent:** Wednesday, August 18, 2004 11:29 AM  
**To:** Purkey, Ronald E.  
**Cc:** Davis, Michael D; Baugh, James S.  
**Subject:** RE: KIF, JSF, JOF, AND ALF - Request to obtain geotechnical consultants

JSF-001DCDL  
KIF-001DCDM  
JOF-001DCDN  
ALF-001DCDP

Jeremy Nelson  
Business Analyst Consultant  
Fossil Power Group  
Tennessee Valley Authority  
423-751-6912

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

03/14/2009

TVA-00027961



**From:** Purkey, Ronald E.  
**Sent:** Wednesday, August 18, 2004 10:58 AM  
**To:** Nelson, Jeremy M.  
**Cc:** Baugh, James S.; Thomas, Stacci P.; Petty, Harold L.; Sutton, Michael E.; Evans, Kelly E.; Elder, B. Keith; Mason, Michael E.; Haber, Stanley M.  
**Subject:** FW: KIF, JSF, JOF, AND ALF - Request to obtain geotechnical consultants

Jeremy,  
Per our conversation, I have attached the scopes of work for the 4 projects. These projects have schedules and scope attached. The short code on the forms have current blitz short codes. We need to get separate short codes to roll costs to capital projects later on. Please generate those 4 separate short codes. Stacci Thomas needs these short codes as she is putting together the contracts. Please email the new short codes to all cc's. Thanks.

Ron

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

**From:** Purkey, Ronald E.  
**Sent:** Monday, August 16, 2004 11:42 AM  
**To:** Longmire, David L.  
**Cc:** Petty, Harold L.; Baugh, James S.; Smith, Daniel R.; Albright, John G.; Powell, Ronald D.; Minghini, Cherie M.; Haber, Stanley M.; Evans, Kelly E.; Elder, B. Keith; Mason, Michael E.; Bowers, Larry C; Lundy, Dennis L.  
**Subject:** KIF, JSF, JOF, AND ALF - Request to obtain geotechnical consultants

David,  
I have attached the TAO forms for 4 tasks for consultants per our discussion last week as follows:

**Geosyntec: 2 tasks**

**KIF - Engineering Peer Review of Coal Byproduct (Gypsum and Ash) disposal plans.**

**JSF - Study overview of JSF Additional Ash Disposal Project.**

**FMSM Engineers: 1 task**

**JOF - Study overview of JOF Additional Ash Disposal Project.**

**GAI Consultants: 1 task**

**ALF - Study overview of ALF Additional Ash Disposal Project.**

**Short codes, requested schedules, scopes, and contact phone numbers etc are on the attached. Please secure the contracts with the geotechnical consultants. We are in the process of gathering data and will have data packages ready to send Friday 8/20 am. Please advise when, where, and to whom to send the packages.**

**I anticipate the costs to be approximately \$40,000 for the KIF task and \$25,000 for each of the remaining 3 tasks.**

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TVA-00027962

**Thanks.**

**Ron Purkey**

03/14/2009

TVA-00027963

**Haber, Stanley M**

---

**From:** Haber, Stanley M.  
**Sent:** Wednesday, August 18, 2004 3:00 PM  
**To:** Purkey, Ronald E.  
**Cc:** Auguste, Myriam B.; Tolliver, Sherry D.; Holmes, James B.  
**Subject:** RE: KIF, JSF, JOF, AND ALF - Request to obtain geotechnical consultants

Ron,

What project is this set up against?

Stan

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

**From:** Purkey, Ronald E.  
**Sent:** Wednesday, August 18, 2004 12:30 PM  
**To:** Thomas, Stacci P.; Petty, Harold L.; Sutton, Michael E.; Evans, Kelly E.; Elder, B. Keith; Mason, Michael E.; Haber, Stanley M.  
**Subject:** FW: KIF, JSF, JOF, AND ALF - Request to obtain geotechnical consultants

Please note the revised short codes below. Thanks.

Ron

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

**From:** Nelson, Jeremy M.  
**Sent:** Wednesday, August 18, 2004 11:29 AM  
**To:** Purkey, Ronald E.  
**Cc:** Davis, Michael D; Baugh, James S.  
**Subject:** RE: KIF, JSF, JOF, AND ALF - Request to obtain geotechnical consultants

JSF-001DCDL  
KIF-001DCDM  
JOF-001DCDN  
ALF-001DCDP

Jeremy Nelson  
Business Analyst Consultant  
Fossil Power Group  
Tennessee Valley Authority  
423-751-6912

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

**From:** Purkey, Ronald E.  
**Sent:** Wednesday, August 18, 2004 10:58 AM  
**To:** Nelson, Jeremy M.  
**Cc:** Baugh, James S.; Thomas, Stacci P.; Petty, Harold L.; Sutton, Michael E.; Evans, Kelly E.; Elder, B. Keith; Mason, Michael E.; Haber, Stanley M.  
**Subject:** FW: KIF, JSF, JOF, AND ALF - Request to obtain geotechnical consultants

Jeremy,

Per our conversation, I have attached the scopes of work for the 4 projects. These projects have

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TVA-00027964

schedules and scope attached. The short code on the forms have current blitz short codes. We need to get separate short codes to roll costs to capital projects later on. Please generate those 4 separate short codes. Stacci Thomas needs these short codes as she is putting together the contracts. Please email the new short codes to all cc's. Thanks.

Ron

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

**From:** Purkey, Ronald E.

**Sent:** Monday, August 16, 2004 11:42 AM

**To:** Longmire, David L.

**Cc:** Petty, Harold L.; Baugh, James S.; Smith, Daniel R.; Albright, John G.; Powell, Ronald D.; Minghini, Cherie M.; Haber, Stanley M.; Evans, Kelly E.; Elder, B. Keith; Mason, Michael E.; Bowers, Larry C; Lundy, Dennis L.

**Subject:** KIF, JSF, JOF, AND ALF - Request to obtain geotechnical consultants

David,

I have attached the TAO forms for 4 tasks for consultants per our discussion last week as follows:

**Geosyntec: 2 tasks**

**KIF - Engineering Peer Review of Coal Byproduct (Gypsum and Ash) disposal plans.**

**JSF - Study overview of JSF Additional Ash Disposal Project.**

**FMSM Engineers: 1 task**

**JOF - Study overview of JOF Additional Ash Disposal Project.**

**GAI Consultants: 1 task**

**ALF - Study overview of ALF Additional Ash Disposal Project.**

**Short codes, requested schedules, scopes, and contact phone numbers etc are on the attached. Please secure the contracts with the geotechnical consultants. We are in the process of gathering data and will have data packages ready to send Friday 8/20 am. Please advise when, where, and to whom to send the packages.**

**I anticipate the costs to be approximately \$40,000 for the KIF task and \$25,000 for each of the remaining 3 tasks.**

**Thanks.**

**Ron Purkey**

**Haber, Stanley M**

---

**From:** Purkey, Ronald E.  
**Sent:** Wednesday, August 18, 2004 12:30 PM  
**To:** Thomas, Stacci P.; Petty, Harold L.; Sutton, Michael E.; Evans, Kelly E.; Elder, B. Keith; Mason, Michael E.; Haber, Stanley M.  
**Subject:** FW: KIF, JSF, JOF, AND ALF - Request to obtain geotechnical consultants

Please note the revised short codes below. Thanks.

Ron

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

**From:** Nelson, Jeremy M.  
**Sent:** Wednesday, August 18, 2004 11:29 AM  
**To:** Purkey, Ronald E.  
**Cc:** Davis, Michael D; Baugh, James S.  
**Subject:** RE: KIF, JSF, JOF, AND ALF - Request to obtain geotechnical consultants

JSF-001DCDL  
KIF-001DCDM  
JOF-001DCDN  
ALF-001DCDP

Jeremy Nelson  
Business Analyst Consultant  
Fossil Power Group  
Tennessee Valley Authority  
423-751-6912

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

**From:** Purkey, Ronald E.  
**Sent:** Wednesday, August 18, 2004 10:58 AM  
**To:** Nelson, Jeremy M.  
**Cc:** Baugh, James S.; Thomas, Stacci P.; Petty, Harold L.; Sutton, Michael E.; Evans, Kelly E.; Elder, B. Keith; Mason, Michael E.; Haber, Stanley M.  
**Subject:** FW: KIF, JSF, JOF, AND ALF - Request to obtain geotechnical consultants

Jeremy,

Per our conversation, I have attached the scopes of work for the 4 projects. These projects have schedules and scope attached. The short code on the forms have current blitz short codes. We need to get separate short codes to roll costs to capital projects later on. Please generate those 4 separate short codes. Stacci Thomas needs these short codes as she is putting together the contracts. Please email the new short codes to all cc's. Thanks.

Ron

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

**From:** Purkey, Ronald E.  
**Sent:** Monday, August 16, 2004 11:42 AM  
**To:** Longmire, David L.  
**Cc:** Petty, Harold L.; Baugh, James S.; Smith, Daniel R.; Albright, John G.; Powell, Ronald D.; Minghini, Cherie M.; Haber, Stanley M.; Evans, Kelly E.; Elder, B. Keith; Mason, Michael E.; Bowers, Larry C; Lundy,

03/14/2009

TVA-00027966

Dennis L.

**Subject:** KIF, JSF, JOF, AND ALF - Request to obtain geotechnical consultants

David,

I have attached the TAO forms for 4 tasks for consultants per our discussion last week as follows:

**Geosyntec: 2 tasks**

**KIF - Engineering Peer Review of Coal Byproduct (Gypsum and Ash) disposal plans.**

**JSF - Study overview of JSF Additional Ash Disposal Project.**

**FMSM Engineers: 1 task**

**JOF - Study overview of JOF Additional Ash Disposal Project.**

**GAI Consultants: 1 task**

**ALF - Study overview of ALF Additional Ash Disposal Project.**

**Short codes, requested schedules, scopes, and contact phone numbers etc are on the attached. Please secure the contracts with the geotechnical consultants. We are in the process of gathering data and will have data packages ready to send Friday 8/20 am. Please advise when, where, and to whom to send the packages.**

**I anticipate the costs to be approximately \$40,000 for the KIF task and \$25,000 for each of the remaining 3 tasks.**

**Thanks.**

**Ron Purkey**

03/14/2009

TVA-00027967

**Haber, Stanley M**

---

**From:** Purkey, Ronald E.  
**Sent:** Wednesday, August 18, 2004 10:58 AM  
**To:** Nelson, Jeremy M.  
**Cc:** Baugh, James S.; Thomas, Stacci P.; Petty, Harold L.; Sutton, Michael E.; Evans, Kelly E.; Elder, B. Keith; Mason, Michael E.; Haber, Stanley M.  
**Subject:** FW: KIF, JSF, JOF, AND ALF - Request to obtain geotechnical consultants  
**Attachments:** jsfpeerTAO Request form.doc; kifpeerTAO Request form.doc; j0fpeerTAO Request form.doc; ALFpeerTAO Request form.doc

Jeremy,

Per our conversation, I have attached the scopes of work for the 4 projects. These projects have schedules and scope attached. The short code on the forms have current blitz short codes. We need to get separate short codes to roll costs to capital projects later on. Please generate those 4 separate short codes. Stacci Thomas needs these short codes as she is putting together the contracts. Please email the new short codes to all cc's. Thanks.

Ron

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

**From:** Purkey, Ronald E.  
**Sent:** Monday, August 16, 2004 11:42 AM  
**To:** Longmire, David L.  
**Cc:** Petty, Harold L.; Baugh, James S.; Smith, Daniel R.; Albright, John G.; Powell, Ronald D.; Minghini, Cherie M.; Haber, Stanley M.; Evans, Kelly E.; Elder, B. Keith; Mason, Michael E.; Bowers, Larry C; Lundy, Dennis L.  
**Subject:** KIF, JSF, JOF, AND ALF - Request to obtain geotechnical consultants

David,

I have attached the TAO forms for 4 tasks for consultants per our discussion last week as follows:

**Geosyntec: 2 tasks**

**KIF - Engineering Peer Review of Coal Byproduct (Gypsum and Ash) disposal plans.**

**JSF - Study overview of JSF Additional Ash Disposal Project.**

**FMSM Engineers: 1 task**

**JOF - Study overview of JOF Additional Ash Disposal Project.**

**GAI Consultants: 1 task**

**ALF - Study overview of ALF Additional Ash Disposal Project.**

**Short codes, requested schedules, scopes, and contact phone numbers etc are on the attached. Please secure the contracts with the geotechnical consultants. We are in the process of gathering data and will**

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**have data packages ready to send Friday 8/20 am. Please advise when, where, and to whom to send the packages.**

**I anticipate the costs to be approximately \$40,000 for the KIF task and \$25,000 for each of the remaining 3 tasks.**

**Thanks.**

**Ron Purkey**

03/14/2009

TVA-00027969



**Haber, Stanley M**

---

**From:** Purkey, Ronald E.  
**Sent:** Monday, August 16, 2004 11:42 AM  
**To:** Longmire, David L.  
**Cc:** Petty, Harold L.; Baugh, James S.; Smith, Daniel R.; Albright, John G.; Powell, Ronald D.; Minghini, Cherie M.; Haber, Stanley M.; Evans, Kelly E.; Elder, B. Keith; Mason, Michael E.; Bowers, Larry C; Lundy, Dennis L.  
**Subject:** KIF, JSF, JOF, AND ALF - Request to obtain geotechnical consultants  
**Attachments:** jsfpeerTAO Request form.doc; kifpeerTAO Request form.doc; j0fpeerTAO Request form.doc; ALFpeerTAO Request form.doc

David,

I have attached the TAO forms for 4 tasks for consultants per our discussion last week as follows:

**Geosyntec: 2 tasks**

**KIF - Engineering Peer Review of Coal Byproduct (Gypsum and Ash) disposal plans.**

**JSF - Study overview of JSF Additional Ash Disposal Project.**

**FMSM Engineers: 1 task**

**JOF - Study overview of JOF Additional Ash Disposal Project.**

**GAI Consultants: 1 task**

**ALF - Study overview of ALF Additional Ash Disposal Project.**

**Short codes, requested schedules, scopes, and contact phone numbers etc are on the attached. Please secure the contracts with the geotechnical consultants. We are in the process of gathering data and will have data packages ready to send Friday 8/20 am. Please advise when, where, and to whom to send the packages.**

**I anticipate the costs to be approximately \$40,000 for the KIF task and \$25,000 for each of the remaining 3 tasks.**

**Thanks.**

**Ron Purkey**

03/14/2009

TVA-00027970

# TAO REQUEST

<b>Company Name:</b>	GEOSYNTEC Ganesh Gopalakrishnah 404 236 7286	<b>Contract No.:</b>	LATER
<b>TAO Number</b>	n/a	<b>Revision</b>	0
<b>Phase</b>	1		
<b>PCN:</b>		<b>Plant:</b>	JSF
		<b>Units(s)</b>	1-4
<b>Project Description:</b>	Study overview of JSF Additional Ash Disposal Project. JSF is John Sevier Fossil Plant near Rogersville, TN.		
<b>TVA Lead Discipline</b>	<input checked="" type="checkbox"/>	<b>Civil</b>	<input type="checkbox"/>
		<b>Electrical</b>	<input type="checkbox"/>
		<b>Mechanical</b>	<input type="checkbox"/>
		<b>Other (specify)</b>	
<b>Work Budgeted For FY(s):</b>	04 and 05		<b>Shortcode:</b> 001CT9X
<b>List \$ limit for first FY:</b>	(Only if work is budgeted for multiple FYs)		
<b>Discipline(s) requesting design support:</b>			
<b>Civil</b>	<input checked="" type="checkbox"/>	<b>Yes</b>	<input type="checkbox"/>
		<b>No</b>	
<b>TVA Civil Eng. Contact:</b>	Ron Purkey 423 751 4820		
<b>Civil Mgmt. Approval:</b>			
<b>Electrical</b>	<input type="checkbox"/>	<b>Yes</b>	<input checked="" type="checkbox"/>
		<b>No</b>	
<b>TVA Elect. Eng. Contact:</b>			
<b>Electrical Mgmt. Approval:</b>			
<b>Mechanical</b>	<input type="checkbox"/>	<b>Yes</b>	<input checked="" type="checkbox"/>
		<b>No</b>	
<b>TVA Mech. Eng. Contact:</b>			
<b>Mechanical Mgmt. Approval:</b>			
<b>Other (Specify)</b>			<b>TVA (other) Contact:</b>
<b>Other Mgmt. Approval:</b>			
<b>Scope of Work to be performed:</b>			<b>See Attachments</b> <input type="checkbox"/>
Provide study overview as requested on the attached scope of work. The Geosyntec proposal will be the official task scope.			
<b>Expected Deliverables:</b>	<ol style="list-style-type: none"> <li>1. An exact description of each fly ash disposal study option proposed.</li> <li>2. A preliminary conceptual sketch (plan and section minimum) of each study option.</li> <li>3. A preliminary ranking of the study options proposed</li> </ol>		
<b>Requested Start Date:</b>	September 1, 2004	<b>Requested Completion Date:</b>	October 1, 2004
<i>(Copy of this request must be attached to the resulting TAO(s). If requested task duration exceeds or overlaps a single Fiscal Year, multiple TAO(s) are required (one for each FY).)</i>			

**Scope of work for Study Overview for JSF**

**Anticipated work is as follows as a minimum:**

- 1. Review all data on the John Sevier Fossil Plant ash disposal and surrounding area.**
- 2. Visit site further familiarize with site to view areas available for expansion.**
- 3. Develop options for future fly ash disposal and provide the following:**
  - a. An exact description of each fly ash disposal study option proposed.**
  - b. A preliminary conceptual sketch (plan and section minimum) of each study option.**
  - c. A preliminary ranking of the study options proposed**
- 4. Weekly telecons during the study (1 hour each) will be required.**
- 5. One trip to TVA facilities when finished to present findings will be required.**

# TAO REQUEST

<b>Company Name:</b>	GEOSYNTEC Ganesh Gopalakrishnah 404 236 7286	<b>Contract No.:</b>	LATER
<b>TAO Number</b>	n/a	<b>Revision</b>	0
<b>Phase</b>	2		
<b>PCN:</b>		<b>Plant:</b>	KIF
		<b>Units(s)</b>	1-9
<b>Project Description:</b>	Engineering Peer Review of Coal Byproduct (Gypsum and Ash) disposal plans. KIF is Kingston Fossil Plant near Kingston, TN.		
<b>TVA Lead Discipline</b>	<input checked="" type="checkbox"/>	<b>Civil</b>	<input type="checkbox"/>
		<b>Electrical</b>	<input type="checkbox"/>
		<b>Mechanical</b>	<input type="checkbox"/>
		<b>Other (specify)</b>	
<b>Work Budgeted For FY(s):</b>	04 and 05		<b>Shortcode:</b> 001CT9Y
<b>List \$ limit for first FY:</b>	(Only if work is budgeted for multiple FYs)		
<b>Discipline(s) requesting design support:</b>			
<b>Civil</b>	<input checked="" type="checkbox"/>	<b>Yes</b>	<input type="checkbox"/>
		<b>No</b>	
<b>TVA Civil Eng. Contact:</b>		Ron Purkey 423 751 4820	
<b>Civil Mgmt. Approval:</b>			
<b>Electrical</b>	<input type="checkbox"/>	<b>Yes</b>	<input checked="" type="checkbox"/>
		<b>No</b>	
<b>TVA Elect. Eng. Contact:</b>			
<b>Electrical Mgmt. Approval:</b>			
<b>Mechanical</b>	<input type="checkbox"/>	<b>Yes</b>	<input checked="" type="checkbox"/>
		<b>No</b>	
<b>TVA Mech. Eng. Contact:</b>			
<b>Mechanical Mgmt. Approval:</b>			
<b>Other (Specify)</b>		<b>TVA (other) Contact:</b>	
<b>Other Mgmt. Approval:</b>			
<b>Scope of Work to be performed:</b>			<b>See Attachments</b> <input type="checkbox"/>
Provide Engineering Peer Review in accordance with attached scope. Geosyntec proposal will be official task scope.			
<b>Expected Deliverables:</b>	<ol style="list-style-type: none"> <li>1. An exact description of each review component.</li> <li>2. A Summary of findings.</li> <li>3. Recommendations for improvement (if any).</li> </ol>		
<b>Requested Start Date:</b>	September 1, 2004	<b>Requested Completion Date:</b>	October 22, 2004
<i>(Copy of this request must be attached to the resulting TAO(s). If requested task duration exceeds or overlaps a single Fiscal Year, multiple TAO(s) are required (one for each FY).)</i>			

**Scope of work for KIF Engineering Peer Review of Coal Byproduct (Gypsum and Ash) disposal plans:**

**The permit application for subject disposal plan was submitted in July to the State of TN and is currently under review by TDEC. The intent of this task is to obtain an independent peer review of the approach, the theory used, the constructability and operability of the disposal plan, the drainage and seep controls, the operations plan, and any other component of the disposal plan necessary for the complete peer review. Obviously, this is an independent review and Parsons nor the State of TN should be contacted. Anticipated work is as follows as a minimum:**

- 1. Read the operations plan, the Hydrogeology Report, and overview the drawings. (complete 1 week after award)**
- 2. Visit the site and familiarize yourself with the current site and future plans. (complete 2 weeks after award)**
- 3. Perform an in depth peer review of entire disposal and operation plans. (complete 4 weeks after award)**
- 4. Provide a report that includes the items listed below (complete 6 weeks after award)**
  - a. An exact description of each review component.**
  - b. A Summary of findings.**
  - c. Recommendations for improvement (if any).**
- 5. Weekly telecons (1 hour duration) will be required**
- 6. 1 week after delivery of peer review to TVA, a meeting will be held at TVA facilities to review the findings. Geosyntec will present the findings.**

# TAO REQUEST

<b>Company Name:</b>	FWSW ENGINEERS	<b>Contract No.:</b>	LATER
Craig M. Avery President 859-422 3015			
<b>TAO Number</b>	n/a	<b>Revision</b>	0
		<b>Phase</b>	1
<b>PCN:</b>		<b>Plant:</b>	JOF
		<b>Units(s)</b>	1-10
<b>Project Description:</b>	Study overview of JOF Additional Ash Disposal Project JOF is Johnsonville Fossil Plant near New Johnsonville, TN.		
<b>TVA Lead Discipline</b>	<input checked="" type="checkbox"/> Civil	<input type="checkbox"/> Electrical	<input type="checkbox"/> Mechanical
	<input type="checkbox"/> Other (specify)		
<b>Work Budgeted For FY(s):</b>	04 and 05	<b>Shortcode:</b>	001CLGM
<b>List \$ limit for first FY:</b>		(Only if work is budgeted for multiple FYs)	
<b>Discipline(s) requesting design support:</b>			
<b>Civil</b>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<b>TVA Civil Eng. Contact:</b> Ron Purkey 423 751 4820
<b>Civil Mgmt. Approval:</b>			
<b>Electrical</b>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<b>TVA Elect. Eng. Contact:</b>
<b>Electrical Mgmt. Approval:</b>			
<b>Mechanical</b>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<b>TVA Mech. Eng. Contact:</b>
<b>Mechanical Mgmt. Approval:</b>			
<b>Other (Specify)</b>		<b>TVA (other) Contact:</b>	
<b>Other Mgmt. Approval:</b>			
<b>Scope of Work to be performed:</b>			<b>See Attachments</b> <input type="checkbox"/>
Provide study overview as requested on the attached scope of work. The FMSM ENGINEERS proposal will be the official task scope.			
<b>Expected Deliverables:</b>	1. An exact description of each fly ash disposal study option proposed. 2. A preliminary conceptual sketch (plan and section minimum) of each study option. 3. A preliminary ranking of the study options proposed		
<b>Requested Start Date:</b>	September 1, 2004	<b>Requested Completion Date:</b>	October 1, 2004
(Copy of this request must be attached to the resulting TAO(s). If requested task duration exceeds or overlaps a single Fiscal Year, multiple TAO(s) are required (one for each FY).			

**Scope of work for Study Overview for JOF**

**Anticipated work is as follows as a minimum:**

- 1. Review all data on the Johnsonville Fossil Plant ash disposal and surrounding area.**
- 2. Visit site to further familiarize with site to view areas available for expansion.**
- 3. Develop options for future fly ash disposal and provide the following:**
  - a. An exact description of each fly ash disposal study option proposed.**
  - b. A preliminary conceptual sketch (plan and section minimum) of each study option.**
  - c. A preliminary ranking of the study options proposed**
- 4. Weekly telecons during the study (1 hour each) will be required.**
- 5. One trip to TVA facilities when finished to present findings will be required.**

# TAO REQUEST

<b>Company Name:</b>	GAI Consultants Gary Brendel 412 856 6400	<b>Contract No.:</b>	LATER
<b>TAO Number</b>	n/a	<b>Revision</b>	0
		<b>Phase</b>	1
<b>PCN:</b>		<b>Plant:</b>	JOF
		<b>Units(s)</b>	1-10
<b>Project Description:</b>	Study overview of ALF Additional Ash Disposal Project ALF is Allen Fossil Plant near Memphis, TN		
<b>TVA Lead Discipline</b>	<input checked="" type="checkbox"/> Civil	<input type="checkbox"/> Electrical	<input type="checkbox"/> Mechanical
	<input type="checkbox"/> Other (specify)		
<b>Work Budgeted For FY(s):</b>	04 and 05	<b>Shortcode:</b>	001CT9S
<b>List \$ limit for first FY:</b>		<i>(Only if work is budgeted for multiple FYs)</i>	
<b>Discipline(s) requesting design support:</b>			
<b>Civil</b>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<b>TVA Civil Eng. Contact:</b> Ron Purkey 423 751 4820
<b>Civil Mgmt. Approval:</b>			
<b>Electrical</b>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<b>TVA Elect. Eng. Contact:</b>
<b>Electrical Mgmt. Approval:</b>			
<b>Mechanical</b>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<b>TVA Mech. Eng. Contact:</b>
<b>Mechanical Mgmt. Approval:</b>			
<b>Other (Specify)</b>		<b>TVA (other) Contact:</b>	
<b>Other Mgmt. Approval:</b>			
<b>Scope of Work to be performed:</b>		<b>See Attachments</b>	<input type="checkbox"/>
Provide study overview as requested on the attached scope of work. The GAI Consultants proposal will be the official task scope.			
<b>Expected Deliverables:</b>	<ol style="list-style-type: none"> <li>1. An exact description of each fly ash disposal study option proposed.</li> <li>2. A preliminary conceptual sketch (plan and section minimum) of each study option.</li> <li>3. A preliminary ranking of the study options proposed</li> </ol>		
<b>Requested Start Date:</b>	September 1, 2004	<b>Requested Completion Date:</b>	October 1, 2004
<i>(Copy of this request must be attached to the resulting TAO(s). If requested task duration exceeds or overlaps a single Fiscal Year, multiple TAO(s) are required (one for each FY).)</i>			



**Scope of work for Study Overview for ALF**

**Anticipated work is as follows as a minimum:**

- 1. Review all data on the Allen Fossil Plant ash disposal and surrounding area.**
- 2. Visit site to further familiarize with site to view areas available for expansion.**
- 3. Develop options for future fly ash disposal and provide the following:**
  - a. An exact description of each fly ash disposal study option proposed.**
  - b. A preliminary conceptual sketch (plan and section minimum) of each study option.**
  - c. A preliminary ranking of the study options proposed**
- 4. Weekly telecons during the study (1 hour each) will be required.**
- 5. One trip to TVA facilities when finished to present findings will be required.**

**Haber, Stanley M**

---

**From:** Petty, Harold L.  
**Sent:** Friday, August 13, 2004 1:09 PM  
**To:** Minghini, Cherie M.; Albright, John G.; Smith, Daniel R.; Bowers, Larry C  
**Cc:** Purkey, Ronald E.; Haber, Stanley M.  
**Subject:** RE: Geotechnical reviews of KIF, JSF, JOF, ALF - Data collection and staging

Please assemble the data per Ron's request. I will place two Xerox type boxes in the civil work area. One marked for civil storage and one marked for sending out. Please place one copy of each data set into the respective boxes.

Thanks,  
Lynn

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

**From:** Purkey, Ronald E.  
**Sent:** Friday, August 13, 2004 10:46 AM  
**To:** Petty, Harold L.  
**Cc:** Minghini, Cherie M.; Albright, John G.; Smith, Daniel R.; Bowers, Larry C  
**Subject:** Geotechnical reviews of KIF, JSF, JOF, ALF - Data collection and staging

As some of you may know, we are under a review of sorts from an outside Geotechnical firm on the subject coal byproduct storage expansion projects. The JSF and KIF scopes are attached. The JOF and ALF scope is identical to the JSF scope as far as deliverables and TAO scope are concerned.

Please assemble 2 sets of data to send to Geosyntec or other as we get contract(s) in place to send to the Geotechnical Firm. We will keep 1 set of data and send the other one. Please be careful to be inclusive assembling the data. We need to give them all data we have and used or will use for our Phase 1.

I request that this data be available by Friday 8/20 am. Thanks.

Ron

## Haber, Stanley M

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**Subject:** Updated: KIF Ash Pond Letter (Haber/Lundy/Wiggall/Purkey)  
**Location:** Dennis' office

**Start:** Mon 07/12/2004 1:00 PM  
**End:** Mon 07/12/2004 2:00 PM  
**Show Time As:** Tentative

**Recurrence:** (none)

**Meeting Status:** Not yet responded

**Required Attendees:** Haber, Stanley M.; Wiggall, Richter E.; Purkey, Ronald E.; Lundy, Dennis L.  
**Optional Attendees:** Petty, Harold L.

## Haber, Stanley M

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**From:** Haber, Stanley M.  
**Sent:** Friday, July 02, 2004 8:45 AM  
**To:** Fields, S. Renee  
**Subject:** RE: Updated: KIF Ash Pond Letter (Haber/Lundy/Wiggall/Purkey)

July 12, 14, 15, and 16 are all open for me.

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

**From:** Fields, S. Renee  
**Sent:** Thursday, July 01, 2004 4:52 PM  
**To:** Haber, Stanley M.  
**Subject:** RE: Updated: KIF Ash Pond Letter (Haber/Lundy/Wiggall/Purkey)

When would you like for me to move it?

*Renee*

-----Original Appointment-----

**From:** Haber, Stanley M.  
**Sent:** Thursday, July 01, 2004 4:04 PM  
**To:** Hensley, Vivian L.; Fields, S. Renee  
**Subject:** Declined: Updated: KIF Ash Pond Letter (Haber/Lundy/Wiggall/Purkey)  
**When:** Thursday, July 08, 2004 1:00 PM-2:00 PM (GMT-05:00) Eastern Time (US & Canada).  
**Where:** Dennis' office

I will be on annual leave.

Tracking:	Recipient	Delivery	Read
	Fields, S. Renee	Delivered: 07/02/2004 8:45 AM	Read: 07/02/2004 8:47 AM

**Haber, Stanley M**

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**From:** Fields, S. Renee  
**Sent:** Thursday, July 01, 2004 4:52 PM  
**To:** Haber, Stanley M.  
**Subject:** RE: Updated: KIF Ash Pond Letter (Haber/Lundy/Wiggall/Purkey)

When would you like for me to move it?

*Renee*

-----Original Appointment-----

**From:** Haber, Stanley M.  
**Sent:** Thursday, July 01, 2004 4:04 PM  
**To:** Hensley, Vivian L.; Fields, S. Renee  
**Subject:** Declined: Updated: KIF Ash Pond Letter (Haber/Lundy/Wiggall/Purkey)  
**When:** Thursday, July 08, 2004 1:00 PM-2:00 PM (GMT-05:00) Eastern Time (US & Canada).  
**Where:** Dennis' office

I will be on annual leave.

Use keyboard shortcuts in the calendar display to quickly accept, propose or delete.

From: Fields, S. Renee on behalf of Lundy, Dennis L.  
Required: Haber, Stanley M.; Wiggall, Richter E.; Purkey, Ronald E.; Lundy, Dennis L.  
Optional:  
Subject: Updated: KIF Ash Pond Letter (Haber/Lundy/Wiggall/Purkey)

Sent: Tue 06/29/2004 11:00 AM

Location: Dennis' office  
When: Friday, July 02, 2004 12:00 PM-1:00 PM.

I

This meeting is not in the calendar since it has been moved or deleted.

From: Fields, S. Renee on behalf of Lundy, Dennis L. Sent: Mon 06/28/2004 3:44 PM  
Required: Haber, Stanley M.; Wiggall, Richter E.; Purkey, Ronald E.; Lundy, Dennis L.  
Optional:  
Subject: KIF Ash Pond Letter (Haber/Lundy/Wiggall/Purkey)  
Location: Dennis' office  
When: Friday, July 02, 2004 11:00 AM-12:00 PM.

