

**Minghini, Cherie M.**

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**From:** Smith, Daniel R.  
**Sent:** Thursday, January 23, 2003 6:44 PM  
**To:** Minghini, Cherie M.  
**Cc:** Petty, Harold L.  
**Subject:** KIF Scrubber Gypsum Stack Phase 1A - meeting

Per our telephone discussion today, we rescheduled this meeting for Monday 1/27 at 2pm. We are putting the boring information (from 1985) on the dwg as best as we can locate. These will be approximate, but very useful.

I spoke to Yogesh Shah the other day. The only comments I have on a revised SOW for Mactech are the following:

- add 60 ft of rock coring to scope. That way, if we encounter any suspect locations where we want to look for cavities, we would have a budget for rock coring to work against.
- add to proposal for Mactech a request for TVA, Parsons (and PELA) to allow a day or so for selection of auger borings based on geoprobe results.

An additional comment by Yogesh concerned boring into existing depression areas. I thought I recalled that Barry Beck thought about drilling in the center of some depression areas (potential sinkholes). Yogesh was concerned about safety aspects. Mactech and PELA may have done this before, and may be completely comfortable with it, but I thought I'd bring it up anyway.

I'm sure that PELA will want to do additional borings. We had a budget of 6 auger borings previously. The 1985 info really covers the site pretty well, so we don't really need to do 6 auger borings that I previously planned for. We could just geoprobe in the hillside area and not do auger borings there for now. I'd just like to get an idea of the depth to bedrock in the hillside. That would leave 6 auger borings towards karst features.

If I need to do anything else, such as arrange for surveying support (GPS) for this limited effort, let me know.

Thanks

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Larry - next ~~meeting~~  
meeting  
for Yogesh to go to  
↳ Let's set a date  
for mid-March

01/27/2003

TVA-00003786

IDP revision

8288

# SURVEY - TOPO Phase IB

LEAD.....

MARK BOGGS  
SAMPLES - GOOD ✓

Coords for  
LAT, LONG ON  
TOWERS

John Albright  
Bob Warden  
John Patten

6 ADDL BORINGS  
AFTER PROBING

BORROW AREA - BORING

BUMP ROCK BORINGS - Switch  
to NA bit  
on Agendilla

FINAL BORING SELECTION.....

Thurs → afternoon  
2 PM  
OR FRI

10AM - ENG ROOM NEXT TO CU

PHASED APPROACH W/ USING TRUNCATED DIKE

- TRY TO KEEP IT TO ONE POND

~~scrubber operating by 2008~~

scrubber operating by 2008

No fatal flaws thus far (historical, wetlands, cultural)

Look @ karst

T&E

↑ archeological - have done phase II  
(only found some @ slough)

In-house work -

Geoprobe - 10 holes

Piezometer - in 5 of them - recently started collected groundwater data

Fantastic clays (> 20') inside footprint

'88 - mark Corp report for potential dry stack

'89 - demolition landfill

existing  
information

Settlement effect? (2'-3' gradual settlement)

over 15-20 years

- use gravel columns

Proposal to → PELA (one week - 10 days)

- PELA - Jan 29
- Site work - early Feb
- report (MacTech) by 1st of Mar
- end of March - review data

Put <sup>existing</sup> bounys on map to LAU

survey afterwards w/ Geoprobe (MacTech will stake)

Geoprobe

By 3/30 - need answer from

PELA  
 MACTECH  
 ENG } This site is permittable

Predevelopment map (Dave will look into) for PELA + EMG + MacTech

Hydrogeo...

~~correlate~~ correlate piez. readings w/ WL @ Lake (installed in Nov)

PELA's recommendations will be order 1mer.

Soils -  $1 \times 10^{-7} \rightarrow 1 \times 10^{-8}$

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CUF Gypsum (closest to KIF/BRF)

MAX. dry density (take 90% for in-situ)

WIF Scrubber Digo. Meeting  
11/15/03

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