

Petty, Harold L.

From: Miller, Evelyn C.
Sent: Thursday, September 25, 2003 9:22 AM
To: Nuyt, Gary M.
Cc: Petty, Harold L.; Baugh, James S.; Harper, Kathy
Subject: RE: COF - Gypsum Responsibility Matrix

Gary--as Lynn suggested, let's get together to discuss. Until we can arrive at "the" number for gypsum production I think it's going to be hard to evaluate some of these items like raw water, natural gas, conveyor vs trucking to stacking area. Lynn put together, with input from me, our best shot at evaluating what we ought to be looking at based on what little information we have right now. However, many of the matrix items will be dependant upon the quantity/quality of gypsum production. For example, at the last meeting the potential for a closed loop system was discussed. If this were the case it would require much greater quantities of raw water for washing dewatered gypsum to lower the chloride content to <200 ppm for wallboard applications. That could also significantly impact Larry and Lynn's thinking on sizing of the dewatering pond for emergency discharges since closed loop water will be much higher in dissolved solids, chlorides, etc., and may require additional treatment prior to discharge.

If the production number for gypsum is less than 200K tpy, it is unlikely that it will be economical for a marketer to invest anything in a facility at COF unless we pay them to process and dispose of material. If the production number is > 350K tpy then we have a shot at negotiating a deal that would include a greater investment by the marketer.

Until we can get the RFP out and narrow the field to start getting input from the preferred marketing partner it is difficult for us to definitively say who will do what. All of this needs to be negotiated. Otherwise I think you will have to assume a "worst case" which is that we do everything, then if we can negotiate a cost sharing deal as we progress you will save construction \$\$\$.

We need to resolve the open vs closed loop issue. Also, I need a quantity for the coal burn case that we are now assuming. At the last scrubber team meeting Rick Collins was supposed to get with George Munson (I believe) to run the numbers for gypsum production to give to me and Larry for planning purposes (marketing and waste disposal). I don't know how you were planning to resolve the open vs closed loop question until we do NEPA???

Cheri

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

From: Nuyt, Gary M.
Sent: Wednesday, September 24, 2003 3:42 PM
To: Petty, Harold L.
Cc: Myers, Thomas J.; Lee, Timothy W.; Farina, George E.; Miller, Evelyn C.; Bowers, Larry C; Myers, Thomas J.
Subject: RE: COF - Gypsum Responsibility Matrix

Lynn,
I have comments as follows:

Gypsum Dewatering Facility:

- The natural gas supply should be by the Gypsum Marketing Supplier
- The raw water and potable water may need to be by the gypsum marketer. Before we make a decision on this we need to know rough quantities of each. Can you provide? Also how are these items being handled at PAF?
- What fence/gate are you referring to under this heading? If at the gypsum dewatering area than this should be by the gypsum marketer. Please clarify.

Gypsum Dry Stack Disposal Area:

-Why would the conveyor from the dewatering facility to the dry stack be provided by ADVATECH? Wouldn't this be controlled and operated by the Gypsum Marketer. Please clarify.

Cheri,
Most of these comments impact the gypsum marketer. What is your feed back on my comments?

Lynn,
Please revise and send an updated copy of the chart with your response.

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

From: Petty, Harold L.

Sent: Monday, September 22, 2003 6:06 PM

To: Nuyt, Gary M.

Cc: Myers, Thomas J.; Lee, Timothy W.; Farina, George E.; Miller, Evelyn C.; Bowers, Larry C

Subject: FW: COF - Gypsum Responsibility Matrix

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

From: Petty, Harold L.

Sent: Wednesday, September 17, 2003 3:34 PM

To: Lee, Timothy W.

Cc: Myers, Thomas J.; Miller, Evelyn C.; Bowers, Larry C; Purkey, Ronald E.

Subject: COF - Gypsum Responsibility Matrix

Tim:

Attached is the responsibility matrix that was my "go-do" from the meeting last Tuesday. Cheri reviewed my draft and gave me some good comments that I have incorporated.

Thanks,
Lynn

COF Gypsum Disposal - Responsibilities Matrix - Oct 2003 (ver. 2)

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

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

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