

August 1, 1994

C.E. Bohac, BR 2B-C

KINGSTON FOSSIL PLANT
COAL YARD RUNOFF POND
PHASE I(b) INPUT

Please refer to Memorandum Dan Scott to R.G. Johnson dated June 29, 1994 (B65 940629 102) concerning the above subject.

Attached is a Phase I(b) Estimate from Fossil Engineering providing revised Phase I(b) Input for the Kingston Fossil Plant Coal Yard Runoff Pond Project.

Please note that the Mechanical Auxiliaries revised scope and materials input is not included and will follow soon. We have assumed that there will be no changes in the Mechanical Auxiliaries engineering estimate. Please begin work on the cost estimate with this information and note that the changes in Mechanical Auxiliaries input will include change in pump material and addition of pumpline configurations, which will include three alternatives. The change in estimates due to the different pumpline configurations and different pump material will consist of a difference in the cost of the pump and piping itself.

If you have any questions call me at extension 6607.

K.W. Burnett

K.W. Burnett
Manager, Site Engineering
LP 2G-C

JLG;clm
Attachments

cc: R.G. Johnson

*sent back to change M-H's
Other revised
M-H Est from
VWD 8-9-94
Ed. Dutra m said
Elec. 120 M-H Ph 2
17 M-H Ph 3
mesh to also may
show their info
on one drawing*

FOSSIL ENGRG Receiver			
AUG 03 '94			
Referred	H	INFO	Date
RGJ		<input checked="" type="checkbox"/>	
VAB			
KWB			
RCC			
VWD			
RWJ			
LAN			
LFN			
WLP			
EBR			
PHF			

KINGSTON FOSSIL PLANT COAL YARD RUNOFF POND

GENERAL SCOPE FOR PHASE II (B)

During periods of heavy rainfall, the existing Coal Yard Runoff Pond is inadequate in containing the flood waters. The two existing pumps are not reliable and do not operate properly. They will be replaced.

Three alternative pump and pumpline configurations, considering ^{40 hp} 1500 gpm stainless steel pumps, will be submitted for cost estimates:

1. One pump and one discharge pipeline to ash pond.
2. Two pumps and one discharge pipeline to ash pond.
3. Two pumps and two discharge pipelines to ash pond.

The recommendation for pump and pumpline configuration will be determined based on cost estimates and the analysis of historical rainfall events for the Kingston Fossil Plant region.

The use of a concrete sump in waters at a pH of 3.2 to 3.8, as opposed to the previous pH of 2.4, was evaluated. The use of this material will not resist a pH in this range and is not recommended.

The pumps will be powered from the 480V Feeder Board in Hopper Building 2, as the existing sump pumps are. A concrete enclosure and base slab will be utilized for the polyethylene ^{acid resistant} tank for the coal yard drainage sump. Pipe material is to be polyethylene. The existing pumphouse and access platform will be replaced. Low areas around the pond will be raised to avoid overflow and flooding. *A field survey will be conducted to obtain recent topographical data.*

**FOSSIL ENGINEERING
COST SUMMARY**

PROJECT: KINGSTON FOSSIL PLANT

FISCAL YEAR: 95

FEATURE: COAL YARD RUNOFF POND

PHASE: II

PCN: N/A

PREPARED BY: C. L. MOUNT

	PDE	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Fossil Engineering	\$0	\$11,738	\$14,086	\$10,860	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$36,684
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

MECH 60 60 60
 Elec 40 40 40
 Site 80 80 80

**FOSSIL ENGINEERING
COST SUMMARY**

PROJECT: KINGSTON FOSSIL PLANT

FISCAL YEAR: 95

FEATURE: COAL YARD RUNOFF POND

PHASE: III

PCN: N/A

PREPARED BY: C. L. MOUNT

	PDE	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Fossil Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,507
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

MECH

15 M-H

Elec.

12 M-H

Site

20 M-H

EARLY START	EARLY FINISH	ORIG DUR	BUDGET QUAN.
16SEP94		0	0
30OCT94	22DEC94	56	180 500
30OCT94	22DEC94	56	175
30OCT94	22DEC94	56	240 125
30OCT94	22DEC94	56	120 200
	22DEC94	0	0
	30DEC94	0	0

KIF COAL YARD RUNOFF POND
Phase 2

PHASE 2 PAB APPROVAL

- PERFORM PHASE 2 MECH AUX DESIGN
- PERFORM PHASE 2 STREET-EMG DESIGN
- PERFORM PHASE 2 SITE DESIGN
- PERFORM PHASE 2 ELECT SUPPORT DESIGN

POL ISSUED
PHASE 2 COMPLETION

NO Street involvement

6375

Plot Date: 24JUN94 Data Date: 18JUL94 Project Start: 22JUN93 Project Finish: 15MAR95	ACTIVITY BEG/END DATES Progress Bar Milestone/Tag Activity	EFOS A009 PRELIMINARY SCHEDULE Engineering Services Fossil Projects Current Schedule - Prel Kdr	Sheet 1 of 1 EFOS - FOSSIL PROJECTS (BC-92) Date: _____ Revision: _____ Checked: _____ Approved: _____
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