

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

*MANHOURS
↓
THIS not approved
by RGS*

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 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 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.

**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

**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

EARLY START	EARLY FINISH	ORIG DUR	BUDGET QUAN.	1994					1995	
				AUG	SEP	OCT	NOV	DEC	JAN	

KIF COAL YARD RUNOFF POND
Phase 2

16SEP94		0	0							
30CT194	22DEC94	56	500							
30CT194	22DEC94	56	175							
30CT194	22DEC94	56	125							
30CT194	22DEC94	56	200							
	22DEC94	0	0							
	30DEC94	0	0							

◇ PHASE 2 PAB APPROVAL

PERFORM PHASE 2 MECH AUX DESIGN

PERFORM PHASE 2 STRUCT ENGG DESIGN

PERFORM PHASE 2 SITE DESIGN

PERFORM PHASE 2 ELECT SUPPORT DESIGN

◇ POL ISSUED

◇ PHASE 2 COMPLETION

Plot Date 2AUG94	Activity Bar/Entry Dates	EFOS K009	PRELIMINARY SCHEDULE Engineering Services Fossil Projects Current Schedule - Prel kdr	Sheet 1 of 1
Data Date 16JUL94	Critical Activity			EFOS - FOSSIL PROJECTS (BC-92)
Project Start 22JUN93	W/Weekend/Tag Activity			
Project Finish 15MAR95				
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