

August 10, 1994

RIMS NO. B65 940810 103

Those listed

COST ESTIMATE REQUEST (RFP)

PCN/PIN NO: K1F009 PA Attached? Yes _____ No X

PA NO : _____ REV No: 1 MPAC NO: _____

Account/Short Code: 000QWMT

Location and Unit: KINGSTON

Funding Source: Cap X O&M _____ Facilities _____ Resource _____

Project Description and Work Scope: (Use attachment)

Project Schedule: Phase I Phase II Phase III

Start :	<u>4/4/94</u>	<u>10/3/94</u>	<u>FY95</u>
COMPLETE	<u>8/26/94</u>	<u>12/30/94</u>	<u>FY95</u>

PRIORITY: (Hydro only) _____

Purpose:

Phase II approval at 9/22/94 PAB
date

Job Order Approval _____ Work Order Approval _____ Other _____ (Explain)

Action Items:

Organization	Instructions	Date Required
Engineering :	Engineering scope and mhrs to TVA Est.	<u>8/10/94</u>
Partner :	Estimate (PH II or III) to Plant Rep(1)	<u>8/19/94</u>
Plant Rep (1) :	Partner estimate to TVA Estimating	<u>8/22/94</u>
TVA Estimating:	Final estimate to requester	<u>8/26/94</u>
Others :	List instructions here (or see attached)	

Comments: Attend project review meeting at KINGSTON, 9 a.m. ET, 8/29/94
location time/date

Cost estimates needed for three pump/pipeline configurations.

Dan Scott, Project Engineer

Requester (Proj/Lead Engineer, Proj/Outage Manager, Hydro Plant Supervisor)

	<u>Name (As Applicable)</u>	<u>Address</u>	<u>Phone No.</u>
Project Manager :	D. A. Howard	BR 3D-C	751-6793
Project Engineer :	D. W. Scott	BR 2G-C	751-4446
Lead Engineer :	<u>K. W. Burnett</u>	BR 2G-C	751-6607
TVA Est. Manager :	*R. W. Clevenger	LP 2L-C	751-2636
Partner Est Manager :	*A. G. Mock, G-UB-MK	SMW 1B-K	632-1078
Plant Rep (1) :	J. R. Dunn	KIF 1A-K PAX	224-1251

Partner Site/Area Mgr:
Others :

F&H Engineering :

Plant Technical Svs :

Power Service Shops :

cc: R. L. Adams, KIF 1A-K
J. S. Baugh, LP 5G-C
R. M. Cole, KIF 1A-K
J. M. Huber, LP 5G-C
C. H. McFall, BR 4A-C
J. K. Watts, LP 5D-C
RIMS, CST 13B-C

(1) Plant Rep = Outage Manager or Hydro Plant Supervisor

*Estimate data required

**For information only

August 9, 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 material input is not included and will be hand carried to Dan Scott as soon as available. Please begin work on the cost estimate with this information and expect the Mechanical input to follow soon.

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

Phase II

	<i>OFF</i>	<i>REV</i>	
<i>MELH</i>	<i>500</i>	<i>180</i>	
<i>ELEC</i>	<i>200</i>	<i>120</i>	
<i>STRUCT.</i>	<i>175</i>	<i>240</i>	
<i>SITE</i>	<i>125</i>		
	<i>1000</i>	<i>540</i>	

RECEIVED

AUG 10 1994

Project Engineering

KINGSTON FOSSIL PLANT COAL YARD RUNOFF POND

GENERAL SCOPE FOR PHASE I (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 acid resistant polyethylene tank for the coal yard drainage sump. Pipe material is to be polyethylene. The existing pumphouse and access platform will be ^{REMOVED.} replaced. Low areas around the pond will be raised and graded 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: 2

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	\$7,070	\$6,470	\$7,070	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,609
	\$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: 3

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	\$1,670
	\$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

* Schedule to be determined

Phase III

	ORIG	REV
Mech	40	16
Elec	60	12
STRU	20	
Site	40	20