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22 March 1994

🐨 G Johnson, LP 2G-C

KINGSTON FOSSIL PLANT - COAL YARD RAINFALL RUNOFF STUDY

Please proceed with Phase I of the subject project and assist <u>Engineering Project Services</u> in developing a Level IV schedule.

PWD (Project Work Document)KIF009Parent Short Code (Travel, etc.)000QWMTCost Estimate (Issued 1/28/94)94126R1CER (Request for Phase I Costs, 12/21/93)KIF93-1218-P0Problem Assessment and Resolution Request9/2/93

Project Manager	Darrell Howard
Project Engineer	Dan Scott
Lead Engineer	Ken Burnett

Activity numbers for <u>Fossil Engineering</u> personnel can be obtained from Gary Garret, extension 7693.

Attached is a copy of the form, "Project Authorization Summary," prepared by <u>Project Management</u>. Please note that work is scheduled to begin April 4, 1994.

If you have any questions please call me at 4446 or Chuck Bohac at 7319.

557

Dan Scott Project Engineering Services BR 2G-C

Attachment cc: K W Burnett, LP 2G-C C H McFall, BR 4A-C D A Howard, BR 3D-C R W Clevenger, SP 3F-C R M Cole, Kingston J K Watts, LP 5D-C RIMS, CST 13B-C

FC Mãi	R 2	ENGPA	
Referred	H	INFO	Date
AGJ			23
RAB		2	
KWB	\overline{V}		30
ACC			
VWD			
RWJ			
LAN			
LFN			
WLP			
EBR			
PHF			

llaa	TENNES FOSS PROJECT	SEE VALLEY AU IL AND HYDRO AUTHORIZATIO	JTHORITY POWER N SUMMARY			
				W01 Project <u>Con</u>	Ltol-Numbe	r KIF
P.R. Loc. Symbol SE-24			(X) New	() Revised		
Org(s) to Perform Work 70 Org(s) to Perform Engg 68			Addition A Retirement	ccount # Account #		
PLANT/AREA: Kingston - Yard			<u></u>	- 	UNIT:	Yard
PROJECT NAME: Coal Yard Runoff					PHASE:	Ι
MAJOR BENEFIT CATEGORY: (Check only c () Plant Performance () Fuel Handling (X) Ash Handling	one) () Asbes () Envir () Safet	tos onmental y		() Work S () Other	pace Impro (specify)	vement
PRIORITY RANKING WITHIN CATEG	ORY:	OF	PRIORI	TY LIST DATE:		
REASON FOR IMPROVEMENT (Identify Prot Heavy rain conditions caused an NPDES to the state of Tennessee to upgrade drainage system is inadequate to mana problem is required to avoid another	lem Area and Noncomplianc the system in ge a "100-yea violation.	the Quantifia e from the co the "Notice r rainfall ev	ble Impact al yard dr of Noncomp ent" of 5): ainage pond in F liance" for this inches in 24 hou	Y 1991. T event. T rs. Resol	VA commit he coal y ution to
PROBLEM DEFINITION (State the Problem The coal yard runoff pond should cont period. After a 5.24-inch rainfall i drainage area to the Clinch River. H over its banks to flood the pumphouse deteriorated to a point where replace	and the Targ tain any drain n FY 1991, it leavy rains re thereby ren ment is requir	et/Goal to be age during a became neces sulted in the dering the pu red.	Achieved); heavy rain sary to div coal yard mps inopera	event of 5 inch vert flood water drainage pond 1 ble. The disch	es during s from the evel rising arge piping	any 24-ho coal yar g several g has als
ANALYSIS (Verification of the Root Ca The drainage basin has "silted up" si storage volume to contain a significa often have to be manually primed, are The discharge piping is also maintena	use and the Ca gnificantly s nt rainfall en maintenance nce intensive	ause-and-Effe ince it was 1 vent. The ex intensive, an , and may not	ct Relation ast mainta isting pump d no longer be adequat	nship): ned and no long os have no autom deliver namepl ely sized.	er has adec atic start ate dischan	quate mechanis ge rates
Because of frequent maintenance probl before this rainfall event. It is th diameter discharge piping; however a inadequacy of the system will be eval	ems, the coal e intent to in Phase I study uated. The sy	yard drainag nstall higher might calcul vstem include	e pond disc capacity p ate other a s the drain	harge equipment umps and possib lternatives. In age basin, pumps	was marked ly install: 1 the study 5, and disc	for upgi ing largen v phase, t charge pip
RECO	MMENDED FOR AF	PROVAL (Sign	atures Requ	ired):		<u> </u>
Namel Howard Project Manager	3/1/94 Date	<u></u>	Lenn fr. Pla	nt Manager	~ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	3-3-94 Date
PAB Approval			Y	pprovals Outside	e the PAB	
Spacen L. Walson Pre-PAB Secretary (Proj < 250K)	3/15/94 Date		Vice	President	<u> </u>	Date
			Senior V	ice President		Date
	Date			sign & Developme		Date
PAB Secretary (Proj > 250K)	Date	Ge	nerating De	sign a bevelopme		

TVA-00006647

TENNESSEE VALLEY AUTHORITY FOSSIL AND HYDRO POWER PROJECT AUTHORIZATION SUMMARY

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•	FOSSIL PROJECT A	_ AND HYDRO UTHORIZATIO	POWER N SUMMARY			17.
PLANT/AREA: Kingston Yard ROJECT NAME: Coal Yard Runoff				Project Co	ntrol Number	MIFC
PREVIOUS APPROVAL	COST SUMMARY (\$000)					
PROJECT PHASE ACTIVITY/SCHEDULE	PRIOR	1004	1005	FUTURE	TOTAL	•
1-Study Start Complete	0	0	0	0	0	
2-Design Start	. 0	0	0	0	0	
Long-Lead Procurement	0	0	0	o	0	
Total Phase 2 3-Implementation Start	0	0	0	0	0	
Complete	0	0	0	0	0	
PLANATION OF COST OR SCHEDULE REVISIO	N:	0	. 0	0	0	
mount Included in Current Budget	·	0	1	0		
URRENT APPROVAL:	I	COS	SUMMARY (\$0	00)		
PROJECT PHASE ACTIVITY/SCHEDULE	PRIOR YEARS	1994	1995	FUTURE	TOTAL	ACTUAL
-Study Start <u>04/04/94</u> Complete <u>06/10/94</u>	0	28	0	0	28	0
-Design Start	0	TBD	0	0	0	0
Long-Lead Procurement	0	TBD	0	o	. 0	0
Total Phase 2 -Implementation Start	0	00	0	0	0	0
Complete	0	TBD	0	0	0	0
CONOMIC EVALUATION:*	OPTIONS CON	TBD SIDERED/ECON	O I IOMIC EVALUAT	ION:	TBD	0
ate of Return NA et Present Value (NPV) NA NPV) Payback (Years) NA NPV) Deferral** NA	NA				. *	
RECOMMENDED ALTERNATIVE: NA	RISK ASSUMPT NA	TIONS/SENSIT	IVITY ANALYS	IS:		
15% Medium Load Forecast 5 Yr. Eval. **Next Avail. eriod Period						
DITIONAL INFORMATION:					***************************************	
Diementation During Outage #NA	Star	t Date:		Finish Dat	e:	
TRONMENTAL REVIEW: This project is a ermined that this project falls withi IRONMENTAL REVIEW and requires neithe	routine impr n categorical r environment	ovement of exclusion al assessme	existing TVA Section 5.2.1 nt nor an env	facilities, of the TVA ironmental i	and it has be Instruction I mpact stateme	een X ent.
\ 2440 [FH 1-93] Page 2 of 2 7081W		······		· · · · · · · · · · · · · · · · · · ·		

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