

S.F.  
80



ROUTING SLIP

SF 80-255

DATE

5/22/90

TO

ADDRESS

FROM

For Action  
 For Approval  
 For Signature

Personal Reply  
 Read and Return  
 For Your Information

For Conversation  
 Read & Route to Files  
 For Your Comments

David Smith

nwr

MAIL STOP

Jacobs  
Manchester Environmental Laboratory  
P.O. Box 307

Manchester, WA 98359

RECEIVED

MAY 23 1990

DEPT. OF ECOLOGY

**SAMPLE DATA & ANALYSIS REQUIRED**

Project Code JK 25

Enforcement/Custody  Class II

Project/Name MARALCO

Possible Toxic/Hazardous Notes (COOLER#)

SAMPLING					FIELD STATION IDENTIFICATION	LAB SAMPLE NUMBER	Matrix Code	Source Code	No. of Containers	General Chemistry													Biology				Organic Chem.						METALS												
DATE			TIME							Wk	Seq	Turbidity	pH	Conductivity	Total Hardness	Chloride	TS, TSS, TNVS, TNVSS	TSS	% Solids	Nutrients (4)	Ammonia	Nitrate-Nitrite	Total Phosphorous	Ortho-Phosphate	BOD/5 Day	COD Chem Oxy Demand	SYNAP CATIONIC TAP	Fecal Coliform Bacteria	Total Coliform Bacteria	Enterococcus	Fish Bioassay	Base/Neutrals/Acids	Volatile Organics	Pesticides/PCB's	PCB's Only	Purgeable Halocarbons	Herbicides	Hydrocarbon Analysis	Phenolics (AAP)	Oil & Grease	P.P. Metals	EP Tox Metals	Specific List		
Yr	Mo	Da	Hr	Mn																																							Recoverable	Totals	Dissolved
90	05	09	09	30	SW-2	198280	40	40	7								X						X	X															X	X					
90	05	09	11	00	HR-10-6"	198281	40	40	7	X							X						X	X																X	X				
90	05	09	11	20	HB-1.5-2'	198282	40	40	5								X						X	X																X	X				
90	05	09	11	45	HB-2 6-6"	198283	40	40	5								X						X	X																X	X				
90	05	09	11	55	HB-2 1.5-2'	198284	40	40	5								X						X	X																X	X				
90	05	09	12	15	HB-3 0-6"	198285	40	40	5								X						X	X																X	X				
90	05	09	12	25	HB-3 1.5-2'	198286	40	40	5								X						X	X																X	X				

Project Officer David South  
 Sampler(s) S. Evans  
M. Allen  
L. Higgins  
 Recorder S. Evans  
 Date 25/09/90

Chain Of Custody Record						Condition of Seals			Comments
Relinquished By:	Received By:	Yr	Mo	Da	Seal I.D.				
<u>[Signature]</u>	<u>[Signature]</u>	90	05	09					
	<u>[Signature]</u>	90	05	11					



★ Source Codes and Descriptions ★

Code	Description	Code	Description
00	Unspecified Source	60	Air (General)
01	Unknown Liquid Media (Drum/Tank)	61	Ambient Air
02	Unknown Liquid Media (Spill Area)	62	Source or Effluent Air
03	Unknown Liquid Media (Waste Pond)	63	Industrial or Workroom Air
		64	Hi-Vol Filter
10	Water (General)	70	Tissue (General)
12	Ambient Stream/River	71	Fish Tissue
13	Lake/Reservoir	72	Shellfish Tissue
14	Estuary/Ocean	73	Bird Tissue
15	Spring/Seepage	74	Mammal Tissue
16	Rain	75	Macroinvertebrate
17	Surface Runoff/Pond (General)	76	Algae
18	Irrigation Canal/Return Flow	77	Periphyton
		78	Plant/Vegetation
20	Well (General)	80	Oil/Solvent (General)
21	Well (Industrial/Agricultural)	81	Oil (Transformer/Capacitor)
22	Well (Drinking Water Supply)	82	Oil/Solvent (Drum/Tank)
23	Well (Test/Observation)	83	Oil/Solvent (Spill Area)
24	Drinking Water Intake	84	Oil/Solvent (Waste Pond)
25	Drinking Water (At Tap)		
30	Effluent Wastewater (General)	90	Commercial Product Formulation
31	Municipal Effluent		
32	Municipal Inplant Waters	95	Well Drill Water
33	Sewage Runoff/Leachate	96	Well Drill Mud
34	Industrial Effluent	97	Well Sealing Material
35	Industrial Inplant Waters	98	Gravel Pack Material
36	Industrial Surface Runoff/Pond		
37	Industrial Waste Pond		
38	Landfill Runoff/Pond/Leachate		
40	Sediment (General)		
42	Bottom Sediment or Deposit		
44	Sludge (General)		
45	Sludge (Waste Pond)		
46	Sludge (Drum/Tank)		
48	Soil (General)		
49	Soil (Spill/Contaminated Area)		
50	Bore Hole Material		

Matrix Codes

10	Water-Total
11	Water-Dissolved
40	Sediment/Soil
45	Semi-Solid/Sludge
46	Sediment for EP Toxicity
70	Tissue
80	Oil/Solvent
00	Other



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90	05	10	16	30	BD-11	98301	40	49	7									X																					XX	-Total	
90	05	10	16	45	BD-21	98302	10	10	3																															XX	-Total
90	05	10	16	45	SW-24	98303	10	10	2																															XX	

Project Officer DAVID SOUTH  
 Sampler(s) S. EVANS  
M. ALLEN  
L. HIGGINS  
 Recorder S. EVANS  
 Date 05/10/90

Chain Of Custody Record											Condition of Seals	Comments
Relinquished By:	Received By:	Yr	Mo	Da	Hr	Mn	Seal I.D.					
		90	05	11	10	45						Released to MARALCO Lab Courier ISS



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