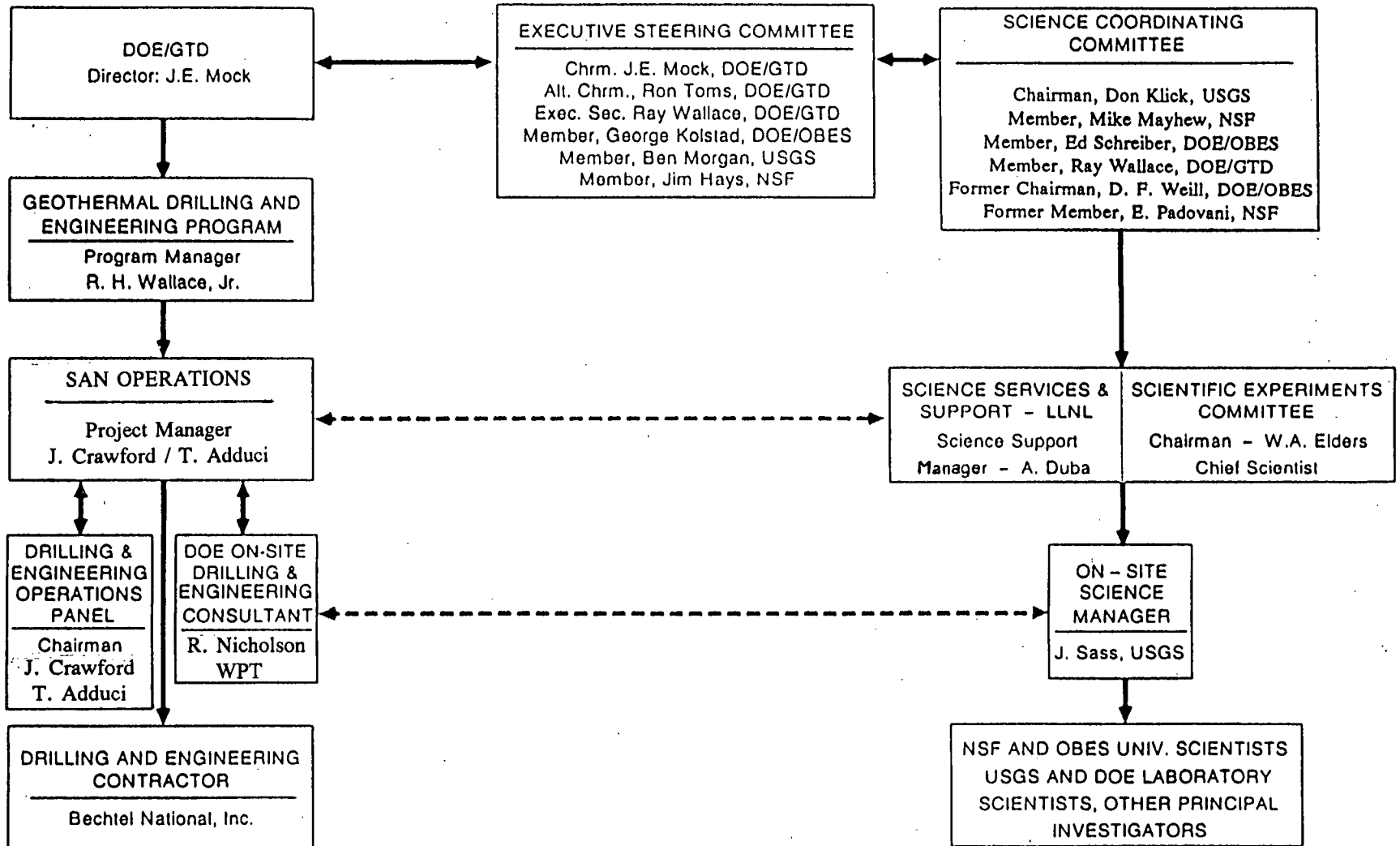


**SALTON SEA GEOTHERMAL  
DRILLING AND ENGINEERING PROGRAM**

**SALTON SEA SCIENTIFIC EXPERIMENTS PROGRAM**



**Figure 2.1 SSSDP Management Structure**

E050079

Table 12.4

## Analytical Results for Sludge, Brookhaven National Laboratory

Liquid Sample		Metals in ppm ( $\mu\text{g}/\text{mL}$ )									
Sample Substance	STLC (mg/L)	A-1	A-2	A-3	0-1	0-2	0-3	A-comp	0-comp	A+0 comp	G-1
Arsenic	5.0	8.8	5.7	5.0	0.5	6.8	7.0	<u>8.5</u>	<u>7.4</u>	<u>8.0</u>	2.7
Cadmium	1.0	2.0	1.4	0.5	3.8	3.9	1.3	<u>1.5</u>	<u>2.6</u>	<u>2.1</u>	1.2
Copper	25	1.7	3.0	5.0	1.3	1.9	1.8	2.8	1.4	1.4	13.3
Lead	5.0	190	193	170	210	230	170	<u>180</u>	<u>190</u>	<u>200</u>	68
Zinc	250	1010	1050	1190	834	983	1090	<u>1020</u>	<u>1000</u>	<u>1100</u>	2020
Dried Solids		TTL (mg/Kg)									
Arsenic	500	290	230	350	230	170	300	240	240	230	---
Cadmium	100	33	29	27	35	35	29	29	33	32	---
Copper	2,500	255	152	223	253	198	315	195	246	234	---
Lead	1,000	470	580	400	580	480	470	430	510	480	---
Zinc	5,000	1050	730	1170	724	754	1180	932	919	883	---
Total*Sludge Sample		Metals in ppm ( $\mu\text{g}/\text{g}$ )									
Arsenic	---	250	82	64	83	60	65	63	72	64	---
Cadmium	---	10.6	10.6	5.0	13.2	13.5	6.7	7.8	10.5	9.3	---
Copper	---	77	54	42	88	70	66	49	71	63	---
Lead	---	209	270	157	263	242	180	184	220	180	---
Zinc	---	680	622	815	499	577	780	670	650	670	---
Sample Characterization		A-1	A-2	A-3	0-1	0-2	0-3	A-comp	0-comp	A+0 comp	
Total Sludge (g)		1210.5	1207.9	1164.9	1239.4	1221.7	1214.7	1178.9	1203.6	1198.2	
Liquid* (g)		537.1	525.9	745.8	460.0	482.7	744.7	636.6	576.2	593	
Wet Solids*#(g)		673.4	682.0	419.1	779.4	739	470	542.3	627.4	605.2	
Percent Solids (%)		55.6	56.5	36.0	62.9	60.5	38.7	46.0	52.1	50.5	

\* after Centrifuge at 10,000g for 15 min.

# sample weight later reduced by 38 - 51% by oven drying at 100°C

Format →

Author(s), 1988, title, Journal of Geophysical Research, v.93, n.B11, pp. ~

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