



E. S. Goldberg
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We are also preparing a preliminary cost assessment of each item within the Agreement and other directions received related to improvements/enhancements in our environmental activities. Those items requiring supplemental FY89 and/or FY90 funding will be clearly identified. We will coordinate the development of this data with your staff. This analysis will be provided to you by 6/28/89 to support your efforts in obtaining supplemental funding.

A handwritten signature in black ink, appearing to read "D. J. Sanchini", is written over the typed name.

D. J. Sanchini
President

Orig. and 1 cc - E. S. Goldberg
Encs.

DOE/CDH AGREEMENT IN PRINCIPLE

ATTACHMENT I

STATUS AS OF 6/23/89

A EXPANDED ENVIRONMENTAL MONITORING SYSTEM

ITEM NO	TASK DESCRIPTION	ACTION	DUE DATE	RESPONSIBILITY		COMMENTS
				DIRECTOR	ASSIGNED TO	
1	State convened independent panel to review results	COH				
2	Broomfield, Westminster, Thornton, Northglenn sampling support	COH				
3	Periodic samples of Standley and Great Western water	COH				
4	Provide full set of samples for organic chemicals and radionuclides prior to all discharge	RI	Ongoing	ERF	Setlock	achievable, cost impact
5	Improvements to ground water monitoring sys as recommended by CDH including 50 additional wells	RI	12/31/89	VES	McKinley	achievable, currently planned
6	Prepare a comprehensive air emissions inventory	RI	TBD	ERF	Setlock	under review
7	Provide comprehensive mat'l balance of VOCs	RI	TBD	ERF	Setlock	under review
8	Identify all toxic & radioactive emissions from the plant & dev model to predict any areas of offsite impacts Conduct stack tests to verify	RI	TBD	ERF	Setlock	under review
9	Install continuous emission monitors in all appropriate sources	RI	TBD	ERF	Setlock	under review
10	Implement improvements to the air monitoring system used by CDH/EPA	COH				
11	Purchase of VOC ambient monitors for offsite use by CDH	COH				

STATUS AS OF 6/23/89

B ACCELERATED CLEANUP ACTIVITIES

ITEM NO.	TASK DESCRIPTION	ACTION	DUE DATE	RESPONSIBILITY		COMMENTS
				DIRECTOR	ASSIGNED TO	
1	881 Hillside groundwater cleanup Assess and clean up heavy metals and radioactive constituents Initiate ground water cleanup and expedite investigation of sources	RI	9/30/89	WES	McKinley	achievable if regulatory process and contracts expedited
2	Expedite completion of the assessment of ground-water contamination at Mound, East Trench, 903 pad and begin construction activities	RI	1/31/90	WES	McKinley	achievable if regulatory process expedited
3	Expedite pondcrete disposal Remove sludge and ship pondcrete	RI	10/31/91	WES	Arnold	achievable, numerous constraints
4	Accelerate cleanup of all other identified sites	RI	TBD	WES	McKinley	achievable, impacts under review
5	Initiate a new review of off-site soils and Lake sediments contamination	RI	TBD	WES	McKinley	achievable, impacts under review

DOE/CDH AGREEMENT IN PRINCIPLE

ATTACHMENT I

STATUS AS OF 6/23/89

C. ACHIEVE A MORE COMPREHENSIVE AND INTEGRATED ENVIRONMENTAL MANAGEMENT SYSTEM

ITEM NO	TASK DESCRIPTION	ACTION	DUE DATE	RESPONSIBILITY		COMMENTS
				DIRECTOR	ASSIGNED TO	
1	Expediently provide information to State on all releases	RI	Ongoing	ERF	Sellock	achievable, cost impact
2	Expand DOE regulatory and compliance personnel and reorganize the RFP office	DOE				
3	Expedite Q clearances of state officials	DOE				
4	Establish office space on site for EPA and CDH	RI	6/30/89	FER	Whiting	achievable
5	Complete comprehensive environmental compliance audit	DOE				
6	Complete comprehensive waste minimization audit	DOE				
7	Conduct study of all available methods to eliminate RFP discharges (including a source reduction review)	RI	TBD	FER	Bueller	under review
8	Conduct background characterization studies to determine base level of naturally occurring radioactive and hazardous constituents a) Water Report b) Soil Report	RI	11/1/89 12/30/89	WES WES	McKinley McKinley	achievable
9	Update and revise the plant's current waste-characterization plan. Expand and provide more detail a) Status Report b) Draft Report	RI	9/30/89 9/30/90	WES	Detamore	achievable, cost impact
10	Develop plan for low-level mixed waste treatment and disposal	RI	1/30/89	WES	Detamore	achievable, cost impact
11	Expedite delivery and operation of the proposed supercompactor a) permitting b) equipment c) operation	RI	TBD TBD TBD	WES FER WES	McKinley Knutson Naimon	achievable pending permit

DOE/CDH AGREEMENT IN PRINCIPLE

ATTACHMENT I

STATUS AS OF 6/23/89

C. ACHIEVE A MORE COMPREHENSIVE AND INTEGRATED ENVIRONMENTAL MANAGEMENT SYSTEM (cont)

ITEM NO	TASK DESCRIPTION	ACTION	DUE DATE	RESPONSIBILITY		COMMENTS
				DIRECTOR	ASSIGNED TO	
12	Provide data on restart/operation of Incinerators, emissions from stacks, regular status reports, allow state access, etc	RI	TBD	WES	Sherdill	under review
13	Make available all documents and reviews on compliance concerns a) safety b, environmental - RCR/V/CERCLA c) environmental waste operations d) environmental HSAE	RI	Ongoing Ongoing Ongoing Ongoing	ERF WES WES ERF	L C Smith McKinley Detamore Setlock	achievable, cost impact
14	Implement policy for state access to records and buildings for environmental compliance issues	RI	7/1/89	MEY	Young	achievable, no impact
15	Clarify in writing the "need to know" policy	RI	TBD	MEY	Young	achievable, completion 6/29/89
16	Provide monthly air emissions data	RI	Ongoing	ERF	Setlock	achievable (see items C1 and C12)
17	Meet all State/EPA clean up milestones	RI	Ongoing	WES	McKinley	achievable pending negotiation
18	Provide Monthly Report on Facility Status	RI	TBD	ERF	L.C. Smith	achievable

ITEM NO. _____ TASK DESCRIPTION _____ DUE DATE
B.3 EXPEDITE PONDCRETE DISPOSAL 10-31-91

ACHIEVABLE: YES, SUBJECT TO NUMEROUS QUALIFICATIONS

RESULTS ANTICIPATED:

SHIPMENT TO NTS OF:
· INVENTORY OF GOOD TRIWALL BOXES - 10,600
· INVENTORY OF TRIWALL BOXES REQUIRING REMIX - 5,000
· POND SLUDGE YET TO BE CEMENTED - 3,000
TOTAL TRIWALL BOXES 18,600

MAJOR CONSTRAINTS/ASSUMPTIONS:

1. PONDCRETE REMIXING PROCESS WILL BE OPERATIONAL IN JULY 1989 AND REMIXING WILL PERFORM AS EXPECTED. THE EXISTING REMIX PROCESS SHOULD BE ENCLOSED WITHIN A BUILDING. AN ADDITIONAL REMIX FACILITY MAY BE REQUIRED TO ACHIEVE/MAINTAIN REMIXING OR NEW SLUDGE RATES.
2. PONDCRETE MEETS ALL FUTURE LAND DISPOSAL RESTRICTIONS (LDR) FOR EMPLACEMENT AT THE NEVADA TEST SITE (NTS). THEREFORE, ADDITIONAL TREATMENT WILL NOT BE REQUIRED FOR ANY PROPOSED CONSTITUENT, SUCH AS CYANIDE, CADMIUM OR OTHERS.
3. NTS CAN CONTINUE TO RECEIVE ALL PONDCRETE SHIPMENTS.

<u>ITEM NO.</u>	<u>TASK DESCRIPTION</u>	<u>DUE DATE</u>
B.3	<u>MAJOR CONSTRAINTS/ASSUMPTIONS, CONTINUED</u> 4. APPROXIMATELY 9 MILLION GALLONS OF POND WATER CAN BE EVAPORATED IN THE BUILDING 374 EVAPORATOR OR IN A PORTABLE EVAPORATOR AT THE PONDS BY THE FALL OF 1990. ALTERNATIVELY, THE POND WATER COULD BE CEMENTED AND SHIPPED TO NTS AS LL-MIXED WASTE. USE OF THE BUILDING 374 EVAPORATOR FOR POND WATER COULD SERIOUSLY IMPACT THE TREATMENT OF OTHER PLANT WASTES. CEMENTING AND SHIPPING OF POND WATER WOULD ADD CONSIDERABLE COST. 5. THE EXISTING SALTCRETE PROCESS IN BUILDING 374 CAN IMMOBILIZE AND SHIP THE BRINE PRODUCED BY THE EVAPORATOR. 6. EXTENSIVE SUPPORT FOR PONDCRETE DISPOSAL (AND ALSO FOR THE ASSOCIATED SALTCRETE DISPOSAL) WILL BE REQUIRED FROM MANY PLANT ORGANIZATIONS INCLUDING: MAINTENANCE (CLOSING BOXES AND MAINTENANCE OF PROCESSES IN 788 AND 374), NDA, WASTE CERTIFICATION, RADIATION MONITORING, TRUCKING, TRAFFIC, FACILITIES ENGINEERING, AND SHIPPING OPERATIONS-BUILDING 664. THESE ORGANIZATIONS AS WELL AS LIQUID WASTE-BUILDING 374 AND 788 WILL REQUIRE ADDITIONAL PERSONNEL TO SUPPORT BOTH PONDCRETE AND BUILDING 374. 7. A HEATED BUILDING AT 750 PAD OR 904 PAD WILL BE REQUIRED FOR WINTERTIME INSPECTION OF STORED BLOCKS AND FOR STAGING FOR SHIPMENT. 8. A ONE MILLION GALLON TANK FOR INTERIM STORAGE OF INTERCEPTOR TRENCH WATER FROM THE POND HILLSIDE WILL BE REQUIRED BY MARCH 1991. THE WATER WILL REQUIRE TREATMENT IN THE BUILDING 374 EVAPORATOR OR A GROUND WATER TREATMENT FACILITY AT THE HILLSIDE.	

<u>ITEM No.</u>	<u>TASK DESCRIPTION</u>	<u>DUE DATE</u>
C.9	UPDATE CURRENT WASTE CHARACTERIZATION PLAN · STATUS REPORT · DRAFT REPORT	9-30-89 9-30-90

ACHIEVABLE: YES

RESULTS ANTICIPATED:

THE STATUS REPORT WILL SUMMARIZE THE CURRENT WASTE STREAM CHARACTERIZATION PROGRAM. THE DRAFT REPORT WILL PROVIDE ALL DATA NEEDED TO CHARACTERIZE WASTE STREAMS PLUS AN ANALYSIS OF THE INFORMATION. THE PROJECT IS COMPRISED OF (1) DATA VERIFICATION OF CURRENT DATA; (2) FIELD VERIFICATION OF DATA; (3) PHYSICAL SAMPLING AND RESULTS; (4) DATA ANALYSIS; AND (5) REPORT PREPARATION.

MAJOR CONSTRAINTS/ASSUMPTIONS:

SUBCONTRACTED SUPPORT AND ADDITIONAL STAFFING REQUIRED.

<u>ITEM NO.</u>	<u>TASK DESCRIPTION</u>	<u>DUE DATE</u>
C.10	DEVELOP PLAN FOR LOW-LEVEL MIXED WASTE TREATMENT AND DISPOSAL	11-30-89
	ACHIEVABLE: YES	
	<u>RESULTS ANTICIPATED:</u>	
	A PLAN WHICH WILL IDENTIFY THE WASTES, ESTABLISH MILESTONES AND ESTIMATE DISPOSAL COSTS.	
	<u>MAJOR CONSTRAINTS/ASSUMPTIONS:</u>	
	SUBCONTRACTED SUPPORT AND ADDITIONAL STAFFING REQUIRED.	

<u>ITEM NO.</u>	<u>TASK DESCRIPTION</u>	<u>DUE DATE</u>
C.14	IMPLEMENT POLICY OR STATE ACCESS	7-1-89

ACHIEVABLE: YES

RESULTS ANTICIPATED:

EXISTING PLANT SECURITY PROCEDURES ALLOWS FOR ACCESS TO RECORDS AND BUILDINGS FOR ALL PERSONS WHO ARE "Q" CLEARED AND HAVE RECEIVED THE NECESSARY CORE TRAINING AND BUILDING INDOCTRINATION. THIS COMMITMENT CAN BE MET BY UTILIZING ALREADY "Q" CLEARED STATE EMPLOYEES AND EXPEDITING CLEARANCES FOR ANY OTHERS WHO WILL VISIT OR BE STATIONED AT ROCKY FLATS.

MAJOR CONSTRAINTS/ASSUMPTIONS:

THERE ARE NO CONSTRAINTS, RESOURCE REQUIREMENTS, OR ASSUMPTIONS OTHER THAN A FULL "Q" CLEARANCE.