Los Alamos National Laboratory

UNIVERSITY OF CALIFORNIA

Environmental Restoration

Environmental Restoration Project
MS M992
Los Alamos, New Mexico 87545
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Date: June 5, 1996
Refer to: EM/ER:96-328

RECEIVED JUN 1996

Mr. Ted Taylor
Los Alamos Area Office
US Department of Energy, MS A316
Los Alamos, NM 87544

SUBJECT: INTERIM ACTION PLAN FOR ACTIVITIES AT TECHNICAL AREA (TA) 53, POTENTIAL RELEASE SITE (PRS) 53-002(a)

Dear Ted:

Enclosed for your records please find a copy of the Interim Action Plan for activities in TA-53, PRS 53-002(a). This activity is planned for completion in Fiscal Year 1996. Informational copies of this plan are being distributed to the regulators.

If you have any questions, please call Gene Gould at (505) 667-0402 or Everett Trollinger at (505) 667-5801. Thank you for your cooperation in this matter.

Sincerely,

Jorg Jansen
Program Manager

JJ/bp

Enclosure: Interim Action Plan for TA-53, PRS 53-002(a)

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Interim Action Plan for

Potential Release Site 53-002(a) Surface Impoundments

RECEIVED JUN 1996

Field Unit 2

Environmental Restoration Project

May 1996

A Department of Energy
Environmental Cleanup Program

Los Alamos
NATIONAL LABORATORY

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1.0 Rationale and Objectives of Interim Action

Potential release site (PRS) 53-002(a) consists of two surface impoundments (NE and NW), which received sanitary, small amounts of industrial, and radioactive wastes. The sludge within the surface impoundments contains radioactive materials and polychlorinated biphenyl (PCBs).

This PRS is proposed for Resource Conservation and Recovery Act (RCRA) closure for RCRA-regulated hazardous constituents. Non-RCRA-regulated radioactive constituents will be regulated by DOE orders. A closure plan (Interim Status Closure Plan, Surface Impoundments, TA-53-166 Northeast and TA-53-166 Northwest, Technical Area 53, August 1994, Revision 1) has been written for this PRS. Section 5.2.7 of the plan describes actions necessary to stabilize the site after sampling and before closure.

As a best management practice (BMP), the site will be stabilized by covering the surface impoundments with a geotextile filter fabric cover. The cover will remain in-place until remediation or closure (either by installation of a RCRA cap and/or by removal of materials from the surface impoundments). The cover can be incorporated in the RCRA cap as a geotextile separation layer between the sludge and backfill material if a RCRA cap is part of the closure.

The cost for the interim action is low and will prevent the migration of contaminants offsite either by wind dispersion or by intrusion of wildlife into the exposed sludge.

2.0 Site Description and Characterization Data

The two surface impoundments, placed in operation in the early 1970s, are located in TA-53 adjacent to the Los Alamos Meson Physics Facility (LAMPF) (see Figure 2-1).

The surface impoundments were constructed by excavating into the volcanic tuff bedrock. The surface impoundment dikes were constructed of materials from the excavation that were pulverized and compacted in layers to form the dikes. The impoundment liners consist of a bentonite clay liner on the base and a gunite liner on the side walls.

The surface impoundments received sanitary, small amounts of industrial, and radioactive wastes. The impoundments are no longer in use and sanitary waste is pumped by lift stations to Los Alamos National Laboratory's central treatment facility.

Previously sampling at the surface impoundments has identified PCBs (<5 ppm) and low-level radioactive fission products as contaminants of potential concern (COPCs).

3.0 Interim Action

As a BMP, the site will be stabilized to prevent intrusion of wildlife into the exposed sludge and to prevent any airborne release of radioactive contaminants.

The surface impoundments will be stabilized by installing a geotextile filter fabric cover over the exposed sludge. This cover will be constructed to effectively contain contaminants and to prevent intrusion of wildlife into the exposed sludge.

The geotextile fabric will be spread out over the top of the exposed sludge and will extend approximately 1 foot up the gunite side walls of the dike to form a cover. The cover will be held in-place with sand bags.

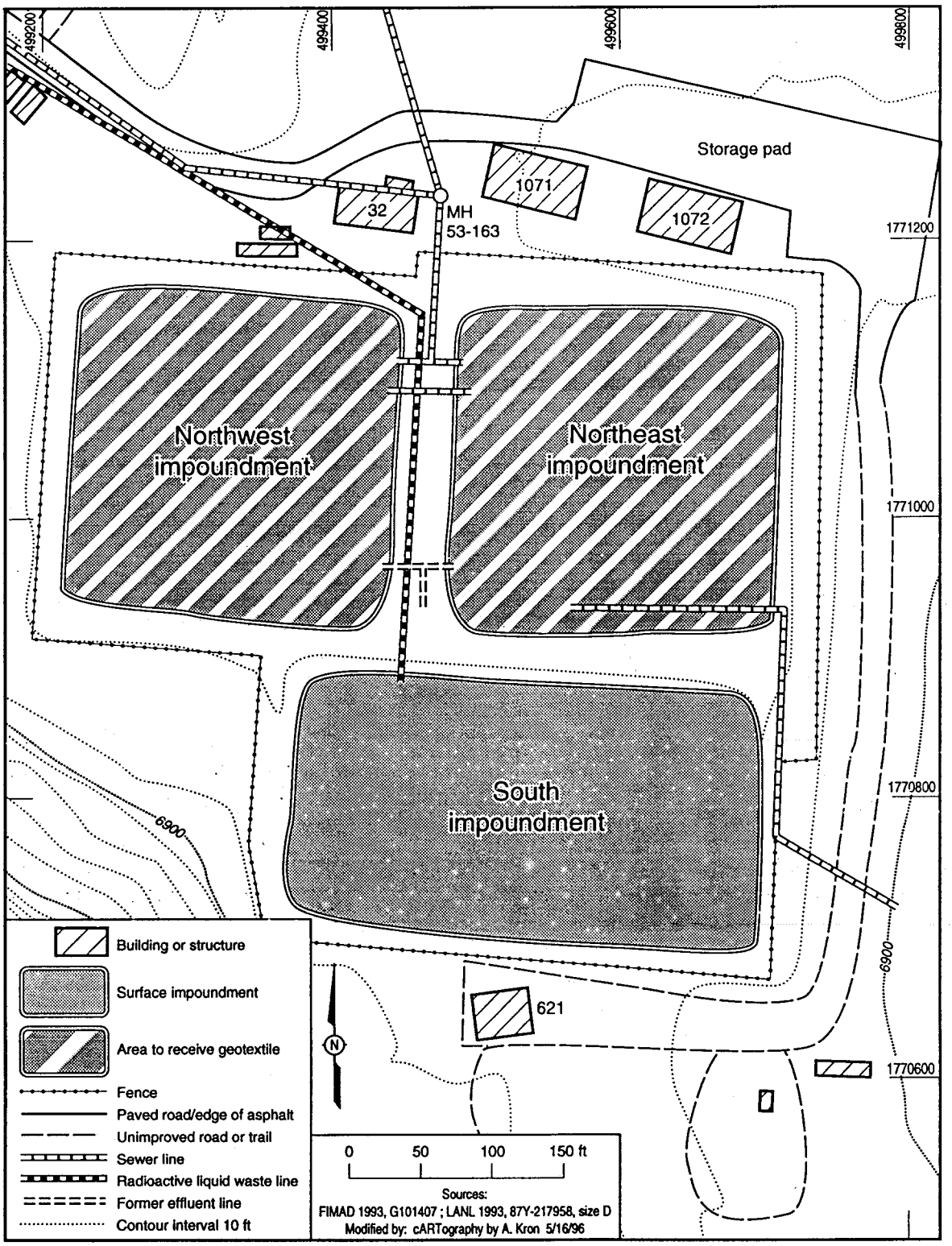

Figure 2-1. Areas to Receive Geotextile Cover.

The cover will be permeable, allowing rain water to flow though the cover and later to evaporate through the cover. The cover will allow additional sample materials to be removed from the surface impoundments, if required.

During installation of the cover, health and safety screening will be conducted in accordance with the Site-Specific Health and Safety Plan. Equipment and personal protective equipment (PPE) will be decontaminated in accordance with this plan.

4.0 Monitoring and Confirmatory Activities

Not applicable

5.0 Maintenance and Inspection

The cover will be inspected weekly as required by 20 NMAC 4.1 Section 265.226(a)(2) until closure is complete (see Annex 3 for Inspection Report Form).

6.0 Waste Management

Table 6-1 identifies the wastes expected to be generated during this interim action. Waste Characterization Strategy Forms (WCSFs) have been submitted to CST-5 and ESH-19 for review. The forms are included in Annex 2.

TABLE 6-1
EXPECTED WASTE TYPES AND VOLUMES

Item	Waste Type	Anticipated Volume
Decontamination water	Low-level rad. with PCBs	<1-30 gal. drum
PPE	Low-level rad. with PCBs	<1-55 gal. drum

7.0 Schedule and Cost

Materials for the cover are readily available and it is estimated that it will take one week to install the cover. Table 7-1 lists the estimated costs.

TABLE 7-1
COST ESTIMATE

Activity	$ Amount
Plan Development	5,000
Material cost (cover & sandbags)	19,070
Mobilization	800
Installation Cost	12,000
Verification Sampling	0
Waste Disposal	2,000
Demobilization	800
Reporting	2,000
Total Estimated Cost	**$41,670**

8.0 References

Interim Status Closure Plan, Surface Impoundments, TA-53-166 Northeast and TA-53-166 Northwest, Technical Area 53, August 1994, Revision 1.

ANNEX 1

TASK HAZARDS ANALYSIS - ADDENDUM TO SITE-SPECIFIC HEALTH AND SAFETY PLAN

Los Alamos National Laboratory

TASK HAZARD ANALYSIS

Location/Room PRS 53-002(a) Lagoons

Task Name Cover Lagoons with Geotextile Membrane *THA No.* 1 *Date* 10 May 1996

SSO Approval Cornelius Flynn *Date* 5-13-96

FTM/FPL Approval [illegible] *Date* 5/15/96

ER/HS Representative Review William J. Pugil *Date* 5/15/96

Health Physics Review Tony Nieman for Pat LaFrate *Date* 5-16-96

Task Description

Place geotextile membrane on lagoon surfaces to prevent lagoon contents becoming airborne.
Place sandbags on the geotextile membrane to keep it in place.

Hazard Analysis

Circle: Chemical Biological Physical Radiological

Describe:

Chemical Hazards: None, since no chemicals will be onsite. Biological: Negligible.
Physical: Lifting heavy objects could result in back strain and heat stress, although unlikely. Hazard assessment is negligible.
Radiological: Radionuclides present could result in injury or illness, although unlikely. Hazard assessment is negligible.

List all other associated Special Work Permits and Numbers None
(include RWP, SWP, CSPP, LO/TO, Spark/Flame, etc.)

Will task affect other LANL operations, other employees, or other tasks? No x Yes ____
If yes, explain precautions taken and contacts notified

Hazard Controls

Engineering/Administrative Controls, Special Equipment, etc. None

Additional Comments Attached: Yes ____ No x

PPE (Personal Protective Equipment)

Head Not required

Face & Eye Safety glasses with side shields

Gloves Leather work gloves

Hearing Not required

Body Coveralls

Foot Steel toed boots

Respiratory : Type of Respirator: Not Required Type of Cartridge: ____

Additional Protection/Comments: ____

Monitoring

Heat Stress

Total Dust

Participant Acknowledgment: Pre-Job Conference: Date/Initials

Printed Name	Z Number	Signature	Date

ANNEX 2

WASTE CHARACTERIZATION STRATEGY FORMS

CHARACTERIZATION STRATEGY FORM

OU Number/FU	PRS/SWMU Number	Title
1100/FU2	53-002a	Surface Impoundments
All Waste Types or Wastestreams: PPE and waste handling equipment, and decontamination (liquid) waste		

Completed By: J. W. Heyser	Date: May 23, 1996
FPL: T. E. Gene Gould	WMC: Bob Catherwood, ESA-EPE
Type of Activity (site investigation, EC, etc.): Interim Action	

Description of the Activity (e.g., drilling, surface sampling, excavation and recontouring, soil washing, etc.)
Two dry surface impoundments (NE and NW surface impoundments) will be covered with a geotextile filter fabric cover. This action will stabilize the site until capping and/or removal of materials from the impoundments is done at a later date. No soil wastes will be generated as a result of these activities.

Acceptable Knowledge
Site Description, Site History, and Historical Waste Generating Processes or Activities: (Include dates for site history):
These two surface impoundments (TA-53-166) were constructed in 1969 and are 210 ft long by 210 ft wide and 6 ft deep, The impoundments have liquid storage capacities of 1.6 million gal. each. In 1985, an additional surface impoundment was constructed to the south of these impoundments. There is a 32-foot berm separating these two impoundments and another berm separating them from the south impoundment (TA-53-166 NE & NW Closure Plan, Rev. 1.0, August 1994). The two impoundments were identified as mixed waste storage units in the RCRA Part A Permit Application submitted to NMED in January 1991. Records of past discharges to these impoundments are limited, because before 1991 the impoundments were not RCRA-regulated and records of mixed waste discharges were not required to be kept. The impoundments received sanitary as well as radioactive and industrial wastewaters.

In 1989, the new south impoundment was put into service as the radioactive liquid waste storage/evaporation impoundment. Discharges of sanitary wastewater only continued to the NE and NW impoundments until February 1993, when the TA-53 sanitary wastewater system was connected to the TA-46 Sanitary Wastewater System Consolidation plant. After being disconnected, sanitary wastewater was occasionally added to the NE and NW impoundments to keep the sediments from drying out. In 1995, however, this practice stopped and the sediments are presently dried out and vulnerable to wind erosion.
Previous Investigation Analytical Results: (Attach copy of analytical methods and results above background levels)
In 1995, Phase II sampling was conducted for TAL metals, PCBs, VOCs, SVOCs, and pesticides. Both lead and Endrin were above their TC screening levels. PCBs were present too (maximum 3.89 mg/kg). Earlier analyses for radionuclides detected cobalt-60 (79 pCi/l and 4,760 pCi/gm), sodium-22 (27 pCi/l and 1.59 pCi/ gm), and tritium (28,700 pCi/l and 404 pCi/gm) in liquid and sludge samples, respectively.

CHARACTERIZATION STRATEGY FORM

OU Number/FU	PRS/SWMU Number	Title
1100/FU2	53-002a	Surface Impoundments
Specific Waste Type: PPE and waste handling equipment		

Waste Description

Description of Waste Type, Contaminants, Volume Estimate, and Waste Packaging:

Waste Type Description: PPE and waste handling equipment.

Potential Regulatory Status: Visibly contaminated items will be initially considered RCRA mixed or hazardous waste depending on the radiological field screening results. Visibly uncontaminated items will be considered non-hazardous or radioactive waste depending on the radiological field screening results. Waste will also be TSCA waste due to potential high-level PCB content unless ESH-19 determines otherwise.

Volume Estimate: The volume generated will be less than one 55-gal. drum

Waste Packaging: The PPE/waste handling equipment will be placed in sealed plastic bags labeled with the PRS number and then placed inside the 55-gal drum. Visibly contaminated waste will be placed in separate sealed bags than those used for visibly uncontaminated items.

Characterization Strategy

Description of Strategy: The PPE/waste handling equipment will be decontaminated prior to disposal. After decontamination, the PPE/waste handling equipment will be field screened for gross alpha, gross beta, and gross gamma radiation in accordance with the procedures contained in LANL-ER-SOP-10.07, "Field Monitoring for Surface and Volume Radioactivity Levels." If the PPE/waste handling equipment is not decontaminated, the contaminated pieces(s) will be placed in separate plastic bags. The RCRA and radioactivity status of the contaminated items will be based on the analytical results of a grab sample of the liquid decontamination waste generated at this PRS. The PPE/waste handling equipment will be assumed to have a similar level of contamination as that contained in the grab liquid sample.

Waste sampling: (If sampling will be used, indicate how many grab or composite samples will be collected per container or volume of waste and whether the waste is considered homogeneous or heterogeneous.) The PPE/waste handling equipment will not be directly sampled, but will be characterized as described above.

- Grab sampling is appropriate for wastes that are fairly homogeneous, such as liquid wastes.
- Composite sampling is appropriate for wastes that are heterogeneous, such as soil, sediment, and debris. A composite sample should consist of no more than 10 subsamples.
- A sample of homogeneous or heterogeneous waste collected for VOC analysis should consist of a grab sample rather than a composite sample.

Analytical Strategy:

Analyte Category	Analytical Method	May be Present (yes, no, unknown)	Direct Sampling of Containerized Waste	Acceptable Knowledge Existing Information	Acceptable Knowledge Data from Proposed Site Character.
Volatile Organic Cons.		Unk		X	
Semi-Volatile Const.		Unk		X	
Organic Pesticides		Unk		X	
Organic Herbicides		Unk		X	
Pesticides & PCBs		Yes		X	
PCBs		Yes		X	

CHARACTERIZATION STRATEGY FORM

OU Number/FU	PRS/SWMU Number	Title
1100/FU2	53-002a	Surface Impoundments
Specific Waste Type: PPE and waste handling equipment		

Analytical Strategy (Continued)

Analyte Category	Analytical Method	May be Present (yes, no, unknown)	Direct Sampling of Containerized Waste	Acceptable Knowledge Existing Information	Acceptable Knowledge Data from Proposed Site Character.
Total Metals		Yes		X	
Total Cyanide		No		X	
Other Inorganic Constituents (specify)		No		X	
High Explosive Constit.		No		X	
Asbestos		No		X	
TPH		No		X	
TCLP Metals		Yes		X	
TCLP Organics		Unk		X	
TCLP Pesticides/ herb		Yes		X	
Gross Alpha	Field	Yes	X		
Gross Beta	screen	Yes	X		
Gross Gamma	"	Yes	X		
Tritium[1]		Yes		X	
Gamma Spectroscopy		Yes		X	
Isotopic Plutonium		No		X	
Total Plutonium		No		X	
Isotopic Uranium		No		X	
Total Uranium		No		X	
Strontium-90		No		X	
Americium-241		No		X	

[1] If tritium is not expected to be in the waste and the waste will not be sampled for tritium, attach a tritium statement signed by the FPL stating that based on a review of the available information and professional judgment, it is not necessary to sample for tritium at this site because there is no potential for the waste to contain added tritium due to DOE operations.

CHARACTERIZATION STRATEGY FORM

OU Number/FU	PRS/SWMU Number	Title
1100/FU2	53-002a	Surface Impoundments

Specific Waste Type: PPE and waste handling equipment

Preliminary RCRA Determination

Based on available information, indicate the waste and whether it could potentially be any of the wastes as defined in 40 CFR, Part 261. List the F-, D-, K-, P-, or U-category and number.
The surface impoundments were classified as RCRA mixed waste storage units in the RCRA Part A Permit Application in 1991. Samples at this PRS contained TC wastes (lead and Endrin), PCBs, and radionuclides (Co-60, Na-22, and H-3). Visibly contaminated PPE and waste handling equipment will be initially classified as RCRA mixed waste. Visibly uncontaminated and deconned PPE and waste handling equipment will be considered either non-hazardous or radioactive depending on the radioactive screening results. A final RCRA determination will be made after the analytical results for the liquid decon. waste are evaluated. This waste will also be considered TSCA high-level PCB waste and handled according to TSCA regulations, unless ESH-19 determines otherwise.

Preliminary RCRA Status

__X__ Non-RCRA: (No 90-Day Storage Requirement)
Describe how waste will be stored/handled: Visibly uncontaminated items will be segregated and managed as non-RCRA waste. They will be stored inside a closed container kept inside a locked transportainer.

__X__ RCRA: (90-Day Storage Requirement)
Waste will be stored/handled in accordance with 20 NMAC Generator Requirements. Visibly contaminated items will be segregated and managed as RCRA waste, and stored in a less-than-90 day storage area. A final RCRA determination will be made after the liquid decon. waste results are evaluated.

Preliminary Determination for Radioactivity

Based on available information, indicate the amount and type of radiation contamination expected in the waste. Accelerator activation products (Co-60, Na-22, and H-3) are present in the dry sludge in the impoundments.

Preliminary Radioactivity Status

__X__ Material is not radioactive
Describe how waste will be stored. Visibly uncontaminated PPE that has no radioactivity detected by field screening will be managed as non-radioactive waste.

__X__ Material is radioactive
Describe the controlled area, labeling, and protection against inadvertent contamination. Visibly contaminated PPE or PPE with detectable radioactivity will be managed as radioactive waste and stored in a closed container within a site labeled as a radioactive materials storage area.

CHARACTERIZATION STRATEGY FORM

OU Number/FU	PRS/SWMU Number	Title
1100/FU2	53-002a	Surface Impoundments
Specific Waste Type: Decontamination waste (liquids)		

Waste Description

Description of Waste Type, Contaminants, Volume Estimate, and Waste Packaging:

Waste Type Description: Decontamination liquids consist of Liquinox® detergent, tap water and distilled water.
Potential Regulatory Status: RCRA mixed waste. Waste will also be TSCA waste due to potential high-level PCB content unless ESH-19 determines otherwise.
Volume Estimate: A total volume of less than 30 gallons.
Waste Packaging: The liquid will be placed inside a 55-gal. drum and kept in a less-then-90-day storage area.

Characterization Strategy

Description of Strategy:
The decontamination liquids will be characterized for RCRA based on the results of an analysis of a grab liquid sample. The decontamination liquids from this PRS will be segregated, placed in a separate drum and labeled with the PRS number.

Waste Sampling*: (If sampling will be used, indicate how many grab or composite samples will be collected per container or volume of waste and whether the waste is considered homogeneous or heterogeneous.) One grab sample of the decontamination liquids will be analyzed for TC LP metals, TCLP pesticides and herbicides, PCBs and pesticides, VOCs, SVOCs, tritium and by a gamma scan. A grab sample was selected because the waste is expected to be homogeneous. One sample per waste stream was considered sufficient because of the small volume (less than 20 gallons).

- Grab sampling is appropriate for wastes that are fairly homogeneous, such as liquid wastes.
- Composite sampling is appropriate for wastes that are heterogeneous, such as soil, sediment, and debris. A composite sample should consist of no more than 10 subsamples.
- A sample of homogeneous or heterogeneous waste collected for VOC analysis should consist of a grab sample rather than a composite sample.

Analytical Strategy:

Analyte Category	Analytical Method	May be Present (yes, no, unk.)	Direct Sampling of Containerized Waste	Acceptable Knowledge Existing Information	Acceptable Knowledge Data from Proposed Site Characterization
Volatile Organic Const.	SW 846 8260	Unk	X		
Semi-Volatile Constit.	SW 846 8270	Unk	X		
Organic Pesticides		Unk		X	
Organic Herbicides		Unk		X	
Pesticides & PCBs	SW 846 8080	Yes	X		
PCBs		Yes		X	

CHARACTERIZATION STRATEGY FORM

OU Number/FU	PRS/SWMU Number	Title
1100/FU2	53-002a	Surface Impoundments
Specific Waste Type: Decon. wastes (liquids)		

Analytical Strategy (Continued)

Analyte Category	Analytical Method	May be Present (yes, no, Unk.)	Direct Sampling of Containerized Waste	Acceptable Knowledge Existing Information	Acceptable Knowledge Data from Proposed Site Character.
Total Metals		Yes		X	
Total Cyanide		No		X	
Other Inorganic Constituents (specify)		No		X	
High Explosive Constit.		No		X	
Asbestos		No		X	
TPH		No		X	
TCLP Metals	SW 846 8240, 8080, 8150, 6010, 7470	Yes	X		
TCLP Organics		Unk		X	
TCLP Pesticides/herb	SW 846	Yes	X		
Gross Alpha		Yes		X	
Gross Beta		Yes		X	
Gross Gamma		Yes		X	
Tritium[2]	HASL 300	Yes	X		
Gamma Spectroscopy	HASL 300	Yes	X		
Iso Pu/Total Pu		No		X	
Iso U/Total U		No		X	
Sr-90/Am-241		No		X	

[2] If tritium is not expected to be in the waste and the waste will not be sampled for tritium, attach a tritium statement signed by the FPL stating that based on a review of the available information and professional judgment, it is not necessary to sample for tritium at this site because there is no potential for the waste to contain added tritium due to DOE operations.

CHARACTERIZATION STRATEGY FORM

OU Number/FU	PRS/SWMU Number	Title

Specific Waste Type: Decon. wastes (liquids)

Preliminary RCRA Determination

Based on available information, indicate the waste and whether it could potentially be any of the wastes as defined in 40 CFR, Part 261. List the F-, D-, K-, P-, or U-category and number.

The surface impoundments were classified as RCRA mixed waste storage units in the RCRA Part A Permit Application in 1991. Samples at this PRS contained TC waste (lead and Endrin), PCBs, and radionuclides (Co-60, Na-22, and H-3). A final RCRA determination will be made after the analytical results of a liquid grab sample are evaluated. This waste will also be considered TSCA high-level PCB waste and handled according to TSCA regulations, unless ESH-19 determines otherwise.

Preliminary RCRA Status

____ Non-RCRA: (No 90-Day Storage Requirement)
Describe how waste will be stored/handled:

___X_ RCRA: (90-Day Storage Requirement)
Waste will be stored/handled in accordance with 20 NMAC Generator Requirements. Decon. liquid will be stored in a less-than-90-day storage area. A final RCRA determination will be made after the liquid sample results are evaluated.

Preliminary Determination for Radioactivity

Based on available information, indicate the amount and type of radiation contamination expected in the waste. Accelerator activation products (Co-60, Na-22, and H-3) are present in the dry sludge in the impoundments.

Preliminary Radioactivity Status

_____ Material is not radioactive
Describe how waste will be stored

__X___ Material is radioactive
Describe the controlled area, labeling, and protection against inadvertent contamination. The decon. liquid will be managed as radioactive waste and stored in a less-than-90-day storage area. A final determination as to the radioactive status will be made and the final disposal site selected after the liquid sample results are known.

CHARACTERIZATION STRATEGY FORM

OU Number/FU	PRS/SWMU Number	Title
1100/FU2	53-002a	Surface Impoundments
Wastetypes or Wastestreams: PPE and waste handling equipment, and decon. liquid waste		

Signatures:

Field Team Leader _____

Field Team Waste Management Coordinator Robert Cathcwood for

Waste Management Representative Mary Jane Wind 5/23/96

Jennifer 4-5-96

rfi_1100.lst

FILTERED >30

20,000 pCi/L ok

Value - ?

PRS	ANALYTE	LOCATION	SAMPLE		MATR		VALUE	UNCERTAINTY	BKG	SAL	UNITS	> SAL	1 SIGMA	2 SIGMA	3 SIGMA
53-002(a)	Tritium	53-1001	AAB9953	0	0	W	5610	440	0	2000	PCI/L	X ~~5610~~	5170	4730	4290
53-002(a)	Plutonium-238	53-1001	AAB9953	0	0	W	0.03	0.005	0	15	PCI/L		0.025	0.02	0.015
53-002(a)	Uranium-234	53-1001	AAB9953	0	0	W	0.16	0.03	0	0	PCI/L		0.13	0.1	0.07
53-002(a)	Cobalt-60	53-1001	AAB9953	0	0	W	45.9	2.34	0	200	PCI/L		43.56	41.22	38.88
53-002(a)	Uranium-238	53-1001	AAB9953	0	0	W	0.09	0.02	0	0	PCI/L		0.07	0.05	0.03
53-002(a)	Cobalt-60	53-1001	AAB9953	0	0	W	44.6	2.86	0	200	PCI/L		41.74	38.88	36.02
53-002(a)	[redacted]t-60	53-1001	AAB9956	0	6	C	1400	44.35	0	0.9	PCI/G	X 1.1	ok 1355.65	1311.3	1266.95
53-002(a)	Uranium-235	53-1001	AAB9956	0	6	C	0.09	0.015	0.088	0.18	PCI/G		0.075	0.06	0.045
53-002(a)	Sodium-22	53-1001	AAB9956	0	6	C	1.1	0.33	0	1.3	PCI/G		0.77	0.44	0.11
53-002(a)	Uranium-234	53-1001	AAB9956	0	6	C	2.07	0.14	2.03	1.86	PCI/G		1.93	1.79	1.65
53-002(a)	Plutonium-239	53-1001	AAB9956	0	6	C	0.06	0.01	0.052	0.18	PCI/G		0.05	0.04	0.03
53-002(a)	Plutonium-238	53-1001	AAB9956	0	6	C	0.03	0.005	0.014	0.20	PCI/G		0.025	0.02	0.015
53-002(a)	Tritium	53-1001	AAB9956	0	6	C	26.12576	1.97867	0	810	PCI/G		24.14709	22.16842	20.18975
53-002(a)	Uranium-235	53-1001	AAB9956	0	6	C	0.1	0.02	0.088	18	PCI/G		0.08	0.06	0.04
53-002(a)	Plutonium-238	53-1002	AAB9957	0	6	C	0.02	0.005	0.014	0.20	PCI/G		0.015	0.01	0.005
53-002(a)	Tritium	53-1002	AAB9957	0	6	C	36.02836	2.5894	0	810	PCI/G		33.43896	30.84956	28.26016
53-002(a)	Cobalt-60	53-1002	AAB9957	0	6	C	2160	68.5	0	0.9	PCI/G	X 1.1	ok 2091.5	2023	1954.5
53-002(a)	Sodium-22	53-1002	AAB9957	0	6	C	2.64	0.785	0	1.3	PCI/G	X 1.3	ok 1.855	1.07	0.285
53-002(a)	Cobalt-60	53-1002	AAB9957	0	6	C	2210	70	0	0.9	PCI/G	X 1.1	ok 2140	2070	2000
53-002(a)	Plutonium-238	53-1002	AAB9957	0	6	C	0.02	0.005	0.014	0.20	PCI/G		0.015	0.01	0.005
53-002(a)	Tritium	53-1003	AAB9958	0	6	C	11.73615	0.84231	0	810	PCI/G		10.89384	10.05153	9.20922
53-002(a)	Cobalt-60	53-1003	AAB9958	0	6	C	232	7.35	0	0.9	PCI/G	X 1.1	ok 224.65	217.3	209.95
53-002(a)	Tritium	53-1004	AAB9959	0	6	C	4.58393	0.36187	0	810	PCI/G		4.22206	3.86019	3.49832
53-002(a)	Cobalt-60	53-1004	AAB9959	0	6	C	57.2	1.84	0	0.9	PCI/G	X 1.1	ok 55.36	53.52	51.68
53-002(a)	Cobalt-60	53-1005	AAB9960	0	6	C	2260	71.5	0	0.9	PCI/G	X 1.1	ok 2188.5	2117	2045.5
53-002(a)	Sodium-22	53-1005	AAB9960	0	6	C	2.14	0.665	0	1.3	PCI/G	X 1.1	ok 1.475	0.81	0.145
53-002(a)	Strontium-90	53-1005	AAB9960	0	6	C	2.15	0.385	1	0.9	PCI/G		1.765	1.38	0.995
53-002(a)	Tritium	53-1005	AAB9960	0	6	C	66.2066	4.80736	0	810	PCI/G		61.39924	56.59188	51.78452
53-002(a)	Neptunium-237	53-1006	AAB9961	0	6	C	1.54	0.3785	0	1.90	PCI/G	*	1.1615	0.783	0.4045
53-002(a)	Cobalt-60	53-1006	AAB9961	0	6	C	1200	37.85	0	0.9	PCI/G	X 1.1	ok 1162.15	1124.3	1086.45
53-002(a)	Tritium	53-1006	AAB9961	0	6	C	17.59948	1.25873	0	810	PCI/G		16.34075	15.08202	13.82329
53-002(a)	Tritium	53-1006	AAB9961	0	6	C	15.58098	1.14533	0	810	PCI/G		14.43565	13.29032	12.14499

* High activity samples:
36 ea. 6000 (3H 5ea)
20 ea. 22 N/A

Jennifer 4-24-96

PRS	ANALYTE	LOCATION	SAMPLE		MATR		VALUE	UNCERTAINTY	BKG	SAL	UNITS			1 SIGMA	2 SIGMA	3 SIGMA
53-002(a)	[redacted]	[redacted]	[redacted]	[redacted]			[redacted]	3.515	0	~~0.9~~	PCI/G	X 1.1	ok	106.485	102.97	99.455
53-002(a)	Tritium	53-1007	AAB9962	0	6	C	8.95918	0.69008	0	~~810~~ 260	PCI/G			8.2691	7.57902	6.88894
53-002(a)	Tritium	53-1008	AAB9963	0	6	C	5.26533	0.40429	0	810	PCI/G			4.86104	4.45675	4.05246
53-002(a)	Sodium-22	53-1009	AAB9964	0	6	C	0.712	0.1335	0	1.3	PCI/G			0.5785	0.445	0.3115
53-002(a)	[redacted]	[redacted]	[redacted]	[redacted]			[redacted]	14.6	0	~~0.9~~	PCI/G	X 1.1	ok	446.4	431.8	417.2
53-002(a)	Tritium	53-1009	AAB9964	0	6	C	6.31902	0.47702	0	810	PCI/G			5.842	5.36498	4.88796
53-002(a)	Uranium-238	53-1009	AAB9966	0	0	W	0.08	0.02	0	~~670~~	PCI/L			0.06	0.04	0.02
53-002(a)	Uranium-234	53-1009	AAB9966	0	0	W	0.1	0.02	0	130	PCI/L			0.08	0.06	0.04
53-002(a)	Plutonium-238	53-1009	AAB9966	0	0	W	0.05	0.01	0	15	PCI/L			0.04	0.03	0.02
53-002(a)	[redacted]	[redacted]	[redacted]	[redacted]			[redacted] NAT	150	0	0.9	PCI/G	X 1.1	ok	4590	4440	4290
53-002(a)	Uranium-235	53-1010	AAB9967	0	6	C	0.09	0.015	0.088	18	PCI/G			0.075	0.06	0.045
53-002(a)	Uranium-234	53-1010	AAB9967	0	6	C	2.07 NAT	0.145	2.03	1~~380~~	PCI/G	.13		1.925	1.78	1.635
53-002(a)	Plutonium-238	53-1010	AAB9967	0	6	C	0.02	0.005	0.014	~~2720~~	PCI/G			0.015	0.01	0.005
53-002(a)	Tritium	53-1010	AAB9967	0	6	C	64.97333	4.66316	0	810	PCI/G			60.31017	55.64701	50.98385
53-002(a)	[redacted]	[redacted]	[redacted]	[redacted]			[redacted]	56.26	0	0.9	PCI/G	X 1.1	ok	1067.91	1011.65	955.39
53-002(a)	Tritium	53-1011	AAB9968	0	6	C	38.50948	2.85662	0	810	PCI/G			35.65286	32.79624	29.93962
53-002(a)	Tritium	53-1011	AAB9968	0	6	C	39.88286	2.93903	0	810	PCI/G			36.94383	34.0048	31.06577
53-002(a)	[redacted]	[redacted]	[redacted]	[redacted]			[redacted]	18.9	0	0.9	PCI/G	X 1.1	ok	578.1	559.2	540.3
53-002(a)	Tritium	53-1012	AAB9969	0	6	C	2.70371	0.21471	0	810	PCI/G			2.489	2.27429	2.05958
53-002(a)	Europium-152	53-1013	AAB9970	0	6	C	0.455	0.106	0	2.~~60~~	PCI/G	*		0.349	0.243	0.137
53-002(a)	[redacted]	[redacted]	[redacted]	[redacted]			[redacted]	1.14	0	0.9	PCI/G	X 1.1	ok	34.66	33.52	32.38
53-002(a)	Plutonium-238	53-1013	AAB9970	0	6	C	0.02	0.005	0.014	~~2720~~	PCI/G			0.015	0.01	0.005
53-002(a)	Tritium	53-1013	AAB9970	0	6	C	2.37628	0.19137	0	~~810~~ 260	PCI/G			2.18491	1.99354	1.80217
53-002(a)	[redacted]	[redacted]	[redacted]	[redacted]			[redacted]	32.25	0	0.9	PCI/G	X 1.1	ok	987.75	955.5	923.25
53-002(a)	Uranium-234	53-1014	AAB9971	0	6	C	2.14	0.165	2.03	86	PCI/G			1.975	1.81	1.645
53-002(a)	Tritium	53-1014	AAB9971	0	6	C	34.73278	2.49278	0	810	PCI/G			32.24	29.74722	27.25444
53-002(a)	Neptunium-237	53-1015	AAB9972	0	6	C	4.13 NAT	1.04	0	0	PCI/G	* 1.9	ok	3.09	2.05	1.01
53-002(a)	[redacted]	[redacted]	[redacted]	[redacted]			[redacted]	134	0	0.9	PCI/G	X 1.1	ok	4096	3962	3828
53-002(a)	Uranium-235	53-1015	AAB9972	0	6	C	0.09	0.02	0.088	~~1018~~	PCI/G			0.07	0.05	0.03
53-002(a)	Uranium-234	53-1015	AAB9972	0	6	C	2.58	0.18	2.03	1~~380~~	PCI/G			2.4	2.22	2.04

PRS	ANALYTE	LOCATION	SAMPLE		MATR		VALUE	UNCERTAINTY	BKG	SAL	UNITS		1 SIGMA	2 SIGMA	3 SIGMA
53-002(a)	Plutonium-238	53-1015	AAB9972	0	6	C	0.02	0.005	0.014	27 ~~20~~	PCI/G		0.015	0.01	0.005
53-002(a)	Tritium	53-1015	AAB9972	0	6	C	36.99429	2.69905	0	~~810~~ 260	PCI/G		34.29524	31.59619	28.89714
53-002(a)	[redacted]							2.385	0	~~0.9~~	PCI/G	X 1.1	OK 72.815	70.43	68.045
53-002(a)	Tritium	53-1016	AAB9973	0	6	C	2.38664	0.19268	0	810	PCI/G		2.19396	2.00128	1.8086
53-002(a)	[redacted]							3.245	0	~~0.9~~	PCI/G	X 1.1	OK 98.755	95.51	92.265
53-002(a)	Tritium	53-1017	AAB9974	0	6	C	2.96596	0.23869	0	~~810~~	PCI/G		2.72727	2.48858	2.24989
										260					
53-002(a)	Sodium-22	53-1018	AAB9975	0	0	W	27.7	1.59	0	500 ~~480~~	PCI/[redacted]		26.11	24.52	22.93
53-002(a)	Europium-152	53-1018	AAB9975	0	0	W	9.52 NAT	3.095	0	~~8500~~	PCI/[redacted]		6.425	3.33	0.235
53-002(a)	Cobalt-60	53-1018	AAB9975	0	0	W	79.1	2.76	0	200	PCI/[redacted]		76.34	73.58	70.82
53-002(a)	Uranium-238	53-1018	AAB9975	0	0	W	0.07	0.02	0	NMO	PCI/[redacted]	X	0.05	0.03	0.01
53-002(a)	Uranium-234	53-1018	AAB9975	0	0	W	0.15	0.035	0	NMO	PCI/[redacted]	X	0.115	0.08	0.045
53-002(a)	Tritium	53-1018	AAB9975	0	0	W	26100	1700	0	~~2000~~	PCI/[redacted]	X 20,000 OK	24400	22700	21000
53-002(a)	Sodium-22	53-1018	AAB9976	0	0	W	27.2 NAT H_2O	1.44	0	500 ~~480~~	PCI/[redacted]		25.76	24.32	22.88
53-002(a)	Cobalt-60	53-1018	AAB9976	0	0	W	76	2.655	0	200	PCI/[redacted]		73.345	70.69	68.035
53-002(a)	Uranium-238	53-1018	AAB9976	0	0	W	0.1 NAT	0.025	0	0	PCI/[redacted]		0.075	0.05	0.025
53-002(a)	Uranium-234	53-1018	AAB9976	0	0	W	0.14	0.03	0	0	PCI/[redacted]		0.11	0.08	0.05
53-002(a)	Plutonium-239	53-1018	AAB9976	0	0	W	0.02	0.005	0	15	PCI/L		0.015	0.01	0.005
53-002(a)	Tritium	53-1018	AAB9976	0	0	W	28700 H_2O	1850	0	2000	PC[redacted]	X [illegible] OK	26850	25000	23150
53-002(a)	Tritium	53-1018	AAB9977	0	6	C	168.14468	10.84411	0	810	PCI/G		157.30057	146.45646	135.61235
53-002(a)	[redacted]							8.6	0	~~0.9~~	PCI/G	X 1.1	OK 259.4	250.8	242.2
53-002(a)	[redacted]							10.3872	0	810	PCI/G		150.44684	140.05964	129.67244
53-002(a)	[redacted]							1.985	0	~~0.9~~	PCI/G	X 1.1	OK 60.015	58.03	56.045
53-002(a)	Tritium	53-1019	AAB9978	0	6	C	39.79507	2.56766	0	810	PCI/G		37.22741	34.65975	32.09209
53-002(a)	[redacted]							22.65	0	~~0.9~~	PCI/G	X 1.1	OK 684.35	661.7	639.05
53-002(a)	Strontium-90	53-1020	AAB9979	0	6	C	2.26	0.295	1	5.9	PCI/G		1.965	1.67	1.375
53-002(a)	[redacted]							26.21286	0	810	PCI/G	26 P	378.35857	352.14571	325.93285
53-002(a)	Sodium-22	53-1021	AAB9980	0	6	C	1.59 NAT	0.449	0	1.3	PCI/G	X 1.3	OK 1.141	0.692	0.243
53-002(a)	Europium-152	53-1021	AAB9980	0	6	C	4.95	1.51	0	~~0~~	PCI/G	2.6	OK 3.44	1.93	0.42
53-002(a)	[redacted]							22.55	0	~~0.9~~	PCI/G	X 1.1	OK 685.45	662.9	640.35
53-002(a)	Strontium-90	53-1021	AAB9980	0	6	C	2.69	0.325	1	5.9	PCI/G		2.365	2.04	1.715
53-002(a)	[redacted]							18.73048	0	810	PCI/G		269.52842	250.79794	232.06746

* : NOSAL

PRS	ANALYTE	LOCATION	SAMPLE			MATR	VALUE	UNCERTAINTY	BKG	SAL	UNITS		1 SIGMA	2 SIGMA	3 SIGMA
53-002(a)	[redacted]							13.65	0	0.9	PCI/G	X 1.1	416 35	402 7	389.05
53-002(a)	Cerium-144	53-1022	AAB9981	0	6	C	4.1	1.235	0	~~5684~~	PCI/G		2.865	1.63	0.395
53-002(a)	[redacted]							13.8813	0	810	PCI/G		202.29685	188.41555	174.53425
53-002(a)	Sodium-22	53-1023	AAB9982	0	6	C	0.47	0.1125	0	1.3	PCI/G		0.3575	0.245	0.1325
53-002(a)	Europium-152	53-1023	AAB9982	0	6	C	0.914	0.2495	0	~~0~~	PCI/G	* 2.6	0.6645	0.415	0.1655
53-002(a)	[redacted]							3.305	0	~~0.9~~	PCI/G	X 1.1	100.695	97.39	94.085
53-002(a)	Tritium	53-1023	AAB9982	0	6	C	27.83199	1.79137	0	810	PCI/G		26.04062	24.24925	22.45788
53-002(a)	[redacted]							1.725	0	~~0.9~~	PCI/G	X1.1	51.075	49.35	47.625
53-002(a)	Tritium	53-1024	AAB9983	0	6	C	68.37534	4.40075	0	810	PCI/G		63.97459	59.57384	55.17309
53-002(a)	Sodium-22	53-1025	AAB9984	0	6	C	2.4	0.775	0	1.3	PCI/G	X 1.3	1.625	0.85	0.075
53-002(a)	Europium-152	53-1025	AAB9984	0	6	C	5.68	1.475	0	~~0~~	PCI/G	* 2.6	4.205	2.73	1.255
53-002(a)	[redacted]							22.75	0	~~0.9~~	PCI/G	X 1.1	690.25	667.5	644.75
53-002(a)	Uranium-235	53-1025	AAB9984	0	6	C	0.12	0.02	0.088	~~18~~	PCI/G	10	0.1	0.08	0.06
53-002(a)	Strontium-90	53-1025	AAB9984	0	6	C	3.86	0.46	1	5.9	PCI/G		3.4	2.94	2.48
53-002(a)	[redacted]							19.7044	0	810	PCI/G		285.26127	265.55687	245.85247
53-002(a)	[redacted]							22.85	0	~~0.9~~	PCI/G	X 1.1	694.15	671.3	648.45
53-002(a)	Europium-152	53-1026	AAB9985	0	6	C	0.807	0.1735	0	~~0~~	PCI/G	* 2.6	0.6335	0.46	0.2865
53-002(a)	[redacted]							1.725	0	0.9	PCI/G	X1.1	52.375	50.65	48.925
53-002(a)	Tritium	53-1026	AAB9985	0	6	C	17.44872	1.12572	0	810	PCI/G		16.323	15.19728	14.07156
53-002(a)	[redacted]							8.9	0	0.9	PCI/G	X 1.1	268 1	259.2	250.3
53-002(a)	Strontium-90	53-1027	AAB9989	0	6	C	1.22	0.255	1	5.9	PCI/G		0.965	0.71	0.455
53-002(a)	Tritium	53-1027	AAB9989	0	6	C	157.00645	10.05823	0	810	PCI/G		146.94822	136.88999	126.83176
53-002(a)	Tritium	53-1027	AAB9989	0	6	C	157.00645	10.08548	0	810	PCI/G		146.92097	136.83549	126.75001
53-002(a)	Europium-152	53-1028	AAB9990	0	6	C	1.66	0.4595	0	~~0~~	PCI/G	* 2.6	1.2005	0.741	0.2815
53-002(a)	[redacted]							6	0	0.9	PCI/G	X 1.1	182	176	170
53-002(a)	Tritium	53-1028	AAB9990	0	6	C	78.23165	5.05447	0	810	PCI/G		73.17718	68.12271	63.06824
53-002(a)	Plutonium-239	53-1028	AAB9990	0	6	C	0.08	0.01	0.052	18	PCI/G		0.07	0.06	0.05
53-002(a)	Europium-152	53-1029	AAB9991	0	6	C	0.942	0.2515	0	~~0~~	PCI/G	* 2.6	0 6905	0.439	0 1875
53-002(a)	[redacted]							2.78	0	0.9	PCI/G	X 1.1	84 42	81.64	78.86
53-002(a)	Tritium	53-1029	AAB9991	0	6	C	32.29596	2.08061	0	810	PCI/G		30.21535	28.13474	26 05413

PRS	ANALYTE	LOCATION	SAMPLE		MATR		VALUE	UNCERTAINTY	BKG	SAL	UNITS		1 SIGMA	2 SIGMA	3 SIGMA
53-002(a)	Europium-152	53-1030	AAB9992	0	6	C	1.69	0.417	0	~~0~~	PCI/G	* 2.6	1.273	0.856	0.439
53-002(a)	[redacted]							4.13	0	~~0.8~~	PCI/G	X 1.1	124.87	120.74	116.61
53-002(a)	Plutonium-238	53-1030	AAB9992	0	6	C	0.02	0.005	0.014	20	PCI/G		0.015	0.01	0.005
53-002(a)	Tritium	53-1030	AAB9992	0	6	C	47.54958	3.0619	0	810	PCI/G		44.48768	41.42578	38.36388
53-002(a)	Strontium-90	53-1031	AAB9993	0	6	C	1.81	0.3	1	5.9	PCI/G		1.51	1.21	0.91
53-002(a)	[redacted]							18.515	0	810	PCI/G		267.835	249.32	230.805
53-002(a)	[redacted]							33.95	0	~~0.8~~	PCI/G	X 1.1	1036.05	1002.1	968.15
53-002(a)	Strontium-90	53-1031	AAB9993	0	6	C	2.19	0.32	1	5.9	PCI/G		1.87	1.55	1.23
53-002(a)	Europium-152	53-1032	AAB9994	0	6	C	1.05	0.207	0	~~0~~	PCI/G	* 2.6	0.843	0.636	0.429
53-002(a)	[redacted]							1.48	0	0.9	PCI/G	X.	44.52	43.04	41.56
53-002(a)	Tritium	53-1032	AAB9994	0	6	C	17.14966	1.10829	0	810	PCI/G		16.04137	14.93308	13.82479
53-002(a)	[redacted]							2.54	0	~~0.8~~	PCI/G	X 1.1	76.86	74.32	71.78
53-002(a)	Europium-152	53-1033	AAB9995	0	6	C	1.29	0.31	0	~~0~~	PCI/G	* 2.6	0.98	0.67	0.36
53-002(a)	Tritium	53-1033	AAB9995	0	6	C	33.81081	2.17892	0	810	PCI/G		31.63189	29.45297	27.27405
53-002(a)	Sodium-22	53-1034	AAB9996	0	6	C	0.571	0.1535	0	1.3	PCI/G		0.4175	0.264	0.1105
53-002(a)	Europium-152	53-1034	AAB9996	0	6	C	2.77	0.53	0	~~0~~	PCI/G	* 2.6	2.24	1.71	1.18
53-002(a)	[redacted]							9	0	~~0.9~~	PCI/G	X 1.1	274	265	256
53-002(a)	Tritium	53-1034	AAB9996	0	6	C	78.55385	5.06615	0	810	PCI/G		73.4877	68.42155	63.3554
53-002(a)	Europium-152	53-1034	AAB9996	0	6	C	2.82	0.525	0	~~0~~	PCI/G	* 2.6	2.295	1.77	1.245
53-002(a)	[redacted]							9.2	0	~~0.9~~	PCI/G	X 1.1	280.8	271.6	262.4

Phase II
1995
mg/kg

I. Inorganics

	Maximum Value	Minimum Value	SAL	#of Samples Detected	#of Samples > SAL	Average Sample Value	where they were detected			
							Dry Sludge	Bentonite Liner	Subliner (Tuff)	Lagoon Wall
Antimony	3.02	0.0933	31	29		0.414	27	2		
Arsenic	6.72	0.227	7.82	135		1.91	38	43	36	18
Barium	173	1.5	5300	137		57.1	43	39	37	18
Beryllium	1.04	0.0701	NA	136		0.482	38	43	37	18
Cadmium	3.29	0.011	38	125		0.583	39	50	35	1
Chromium	31.7	0.429	30	133	2	7.07	39	43	33	18
Cobalt	7.23	0.031	4600	136		1.77	38	43	37	18
Copper	1070	0.104	2800	134		68.45	38	43	35	18
Lead	135	1.13	400	137		12.87	39	43	37	18
Manganese	369	49.2	NA	137		120.9	39	43	37	18
Mercury	2.88	0.003	23	77		0.51	39	27	11	
Nickel	72.1	0.484	1500	137		4.85	39	43	37	18
Selenium	7.15	0.15	380	61		0.803	34	14	5	8
Silver	19.7	0.287	383	39		5.16	37	1	1	
Thallium	5.28	0.204	NA	54		0.711	25	19	7	3
Vanadium	33.7	0.497	540	136		8.48	38	43	37	18
Zinc	838	6.47	23000	136		104.6	38	43	37	18

II. PCB

mg/kg

	Maximum Value	Minimum Value	SAL	#of Samples Detected	#of Samples > SAL	Average Sample Value	where they were detected			
							Dry Sludge	Bentonite Liner	Subliner (Tuff)	Lagoon Wall
PCB-1254	3.89	0.00508	1	41	17	1.212	33	4	3	1
PCB-1260	2.66	0.018	1	15	3	0.65	8	6	1	

III. VOC

mg / Kg

	Maximum Value	Minimum Value	SAL	#of Samples Detected	#of Samples > SAL	Average Sample Value	where they were detected			
							Dry Sludge	Bentonite Liner	Subliner (Tuff)	Lagoon Wall
2-Butanone	0.241	0.0212	8700	24		0.07	23		1	
Acetone	1.85	0.00222	2000	80		0.241	31	22	22	5
Methylene Chloride	0.0632	0.00255	11	32		0.026	18	11	3	

IV. SVOC

	Maximum Value	Minimum Value	SAL	#of Samples Detected	#of Samples > SAL	#of Samples > SAL	where they were detected			
							Dry Sludge	Bentonite Liner	Subliner (Tuff)	Lagoon Wall
Bis(2-Ethylhexyl)pthalate	94.9	0.171	32	24	9	22.6	16	7	1	

V. Pesticides

mg/Kg

	Maximum Value	Minimum Value	SAL	#of Samples Detected	#of Samples > SAL	Average Sample Value	where they were detected			
							Dry Sludge	Bentonite Liner	Subliner (Tuff)	Lagoon Wall
4,4'-DDD	0.0507	0.00305	1.9	2		0.027	1	1		
4,4'-DDE	0.607	0.0836	1.3	9		0.273	9			
4,4'-DDT	0.389	0.00199	1.3	6		0.164	3	2	1	
alpha-BHC	0.116	0.000754	0.071	9	1	0.038	5		1	3
delta-BHC	0.000847	0.000847		1		0.00847			1	
gamma-BHC	0.00129	0.000593	0.25	10		0.001		2	3	5
Dieldrin	0.0322	0.000898	0.028	7	1	0.014	5		2	
Endosulfan I	0.232	0.005		11		0.112	7	2		2
Endrin	0.608	0.000835	20	14		0.163	4	8	2	
Heptachlor	0.00168	0.000935	0.099	8		0.001		1	4	3

ANNEX 3

INSPECTION REPORT FORM

POTENTIAL RELEASE SITE
53-002(a)
SURFACE IMPOUNDMENTS

INSPECTION REPORT FORM

Date: _____

Surface Impoundments

Surface Impoundment	Is Dike Stabilized	Is Cover In Place and Anchored
Northeast		
Northwest		

Corrective Action Required:

_____

_____

_____

_____

_____

_____

Inspection Performed By: _____

ANNEX 4

INTERIM ACTION APPROVAL FORM

INTERIM ACTION APPROVAL FORM

I, T. J. Taylor DOE-LAAO **APPROVE** the interim action as proposed in this Interim Action Plan for PRS 53-002(a).

EAT 6-4-96

I,_____ DOE-LAAO **DO NOT APPROVE** the interim action as proposed in this Interim Action Plan for PRS 53-002(a).

The following reasons reflect the basis for this disapproval.

Signed: TJT Date: 6/4/96