DISTRIBUTION SHEET

To	From	Page 1 of 1
DISTRUBTION	M. L. Winstead	Date June 14, 1995
Project Title/Work Order		EDT No. 155833
Ash Stabilization Campaign Blend Plan		ECN No.

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ENGINEERING DATA TRANSMITTAL

1. EDT 155833

2. To: (Receiving Organization)	3. From: (Originating Organization)	4. Related EDT No.:
Distrubtion	15530	N/A
5. Proj./Prog./Dept./Div.:	**6. Cog. Engr.:**	**7. Purchase Order No.:**
PFP	W.S. Lewis	N/A
8. Originator Remarks: This document defines the feed items to be processed in the Ash Stabilization Campign. No Unreviewed Safety Question exists. (USQ Screening Number: PFP-95-19)		**9. Equip./Component No.:** N/A
		10. System/Bldg./Facility: 73T/234-5Z/PFP
11. Receiver Remarks:		**12. Major Assm. Dwg. No.:** N/A
		13. Permit/Permit Application No.: N/A
		14. Required Response Date: N/A

15. DATA TRANSMITTED

(A) Item No.	(B) Document/Drawing No.	(C) Sheet No.	(D) Rev. No.	(E) Title or Description of Data Transmitted	(F) Approval Designator	(G) Reason for Transmittal	(H) Originator Disposition	(I) Receiver Disposition
1	WHC-SD-CP-TI-195	N/A	0	Ash Stabilization Campaign Blend Plan	Q	1		

16. KEY

Approval Designator (F)	Reason for Transmittal (G)	Disposition (H) & (I)
E, S, Q, D or N/A (see WHC-CM-3-5, Sec.12.7)	1. Approval 2. Release 3. Information 4. Review 5. Post-Review 6. Dist. (Receipt Acknow. Required)	1. Approved 2. Approved w/comment 3. Disapproved w/comment 4. Reviewed no/comment 5. Reviewed w/comment 6. Receipt acknowledged

17. SIGNATURE/DISTRIBUTION (See Approval Designator for required signatures)

(G) Reason	(H) Disp.	(J) Name	(K) Signature	(L) Date	(M) MSIN	(J) Name	(K) Signature	(L) Date	(M) MSIN	(G) Reason	(H) Disp.
1	1	Cog.Eng.	W.S. Lewis	6/12/95	T5-55						
1	1	Cog. Mgr.	M W Gibson	6/13/95	T5-55						
1	1	QA	D R Roth	6-13-95	T4-15						
1	1	Project Operations	C R Miller	6/13/95	T5-50						

18.	19.	20.	21. DOE APPROVAL (if required)
M.L. Winstead 6-12-95 Signature of EDT Originator / Date	N/A Authorized Representative for Receiving Organization / Date	per telecon ML Winstead for Mrs Gibson 6/13/95 Cognizant Manager / Date	Ctrl. No. [] Approved [] Approved w/comments [] Disapproved w/comments

RELEASE AUTHORIZATION

Document Number:	WHC-SD-CP-TI-195, REV 0
Document Title:	Ash Stabilization Campaign Blend Plan
Release Date:	6/20/95

This document was reviewed following the procedures described in WHC-CM-3-4 and is:

APPROVED FOR PUBLIC RELEASE

WHC Information Release Administration Specialist:

Kara M. Broz — June 20, 1995

SUPPORTING DOCUMENT

1. Total Pages 5

2. Title	3. Number	4. Rev No.
Ash Stabilization Campaign Blend Plan	WHC-SD-CP-TI-195	0

5. Key Words	6. Author
Blend Plan, Stabilization Campaign, Rocky Flats Ash, HC-21C Muffle Furnaces	Name: M. L. Winstead M.L. Winstead Signature Organization/Charge Code 15530/K6031

7. Abstract

This document identifies the feed items that will be processed during the Ash Stabilization campaign.

DISCLAIMER

8. RELEASE STAMP

LW

Ash Stabilization Campaign Blend Plan

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I. INTRODUCTION

This Stabilization Blend Plan documents the material to be processed and the processing order for the FY95 Ash Stabilization Campaign. The primary mission of this process is to reduce the inventory of unstable plutonium bearing ash. The source of the ash is from Rocky Flats and the 232-Z incinerator at the Plutonium Finishing Plant (PFP). The ash is currently being stored in Room 235B and Vault 174 in building 234-5Z. The sludge is to be thermally stabilized in a glovebox in room 230A of the 234-5Z building and material handling for the process will be done in room 230B of the same building. The campaign is scheduled for approximately 12 - 16 weeks. A total of roughly 4 kg of Pu will be processed.

II. MATERIAL TO BE PROCESSED

There are a total of 52 ash items to be processed through the HC-21C Muffle Furnace operation. Of the 52 items, 51 are from Rocky Flats and one from PFP incinerator. The items are listed in Table 1 along with the location of the item and its net weight.

III. PROCESS ORDER

All items listed in Table 1 will be processed during the campaign. The exact items run on a daily basis will be identified on the daily Operating Instructions for the plant (OI). The daily Operating Instructions (OI) should take into consideration good ALARA practices to keep radiation dose and handling of the items to a minimum. This would include processing items from the same location at the same time.

Note: Before the campaign will actually start, a process test needs to be completed to determine the most effective processing cycle time. Items that will be used in the process test are from Table 1. The items or parts of items used for the test will be determined by the test engineer. Material used in the process test may not be stabilized during the test plan and is included in this blend plan in order to finish the stabilization of the material.

TABLE 1

Ash Items

ASH ITEMS			
ITEM ID	Pu (g)	Net Wt. (g)	Location
ARF-101-84-08-30	81	1357	174
ARF-101-84-08-31	65	1231	174
ARF-101-84-08-32	97	1043	174
ARF-101-84-08-33	100	1032	174
ARF-101-85-783	88	1004.4	174
ARF-101-85-785-1	68	656	174
ARF-101-85-785-2	51	500	HA-20MB
ARF-101-85-789	225	1030	174
ARF-101-85-838	102	1228.4	174
ARF-101-86-16	143	916.6	174
ARF-101-86-19	51	1262	174
ARF-101-86-21	12	878	174
ARF-101-86-22	71	1130	174
ARF-101-86-24	31	1051	174
ARF-101-86-36	10	929	174
ARF-101-86-37	10	1034	174
ARF-101-86-41	40	1015	174
ARF-101-86-42	78	1005	174
ARF-101-86-43	72	1002	174
ARF-101-86-44	10	1140	174
ARF-101-86-45	7	863	174
ARF-101-86-46	8	987	174
ARF-101-86-47	139	1215.8	174
ARF-101-86-48	202	1120.1	HA-20MB
ARF-101-86-49	91	1101.2	174
ARF-101-86-50	184	921	174
ARF-101-86-51	127	829	174
ARF-101-86-52	97	904.7	HA-20MB
ARF-101-86-53	115	1133	174

ARF-101-86-54	11	867.5	174
ARF-101-86-55	13	1044	174
ARF-101-86-56	10	976.3	174
ARF-101-86-57	12	1013	174
ARF-101-86-60	86	914	174
ARF-101-86-61	122	925.6	174
ARF-101-86-62-1	35	480	174
ARF-101-86-62-2	39	530.4	174
ARF-101-86-63	77	1035	174
ARF-101-86-64	122	1332	174
ARF-101-86-65	81	990.3	Vault ZB
ARF-101-86-66-1	83	748.5	174
ARF-101-86-66-2	51	492.2	174
ARF-101-86-67	164	928	174
ARF-101-86-68	307	1251	174
ARF-101-86-69	48	573	174
ARF-101-86-70	110	1241	174
ARF-101-86-71-A	44	543.1	174
ARF-101-86-71-B	39	463.6	174
ARF-101-86-72-1	29	498.4	174
ARF-101-86-72-2	44	356.7	174
ARF-101-86-73	163	994	174
25-73-06-01	197	Not Known	174