COMPLETE

ENGINEERING CHANGE NOTICE

Page 1 of 2

1. ECN № 618304

Proj. ECN

2. ECN Category (mark one)	3. Originator's Name, Organization, MSIN, and Telephone No.		4. Date
Supplemental [] Direct Revision [X] Change ECN [] Temporary [] Standby [] Supersedure [] Cancel/Void []	Alois Kostelnik, 71510, R1-17, 373-0788		November 28, 1994
	5. Project Title/No./Work Order No. Rotary Mode Core Sample Truck ETN-94-0023-E	6. Bldg./Sys./Fac. No. 200 General	7. Impact Level Q
	8. Document Numbers Changed by this ECN (includes sheet no. and rev.) WHC-SD-WM-ATP-111 Rev. 0	9. Related ECN No(s). N/A	10. Related PO No. 404878

11a. Modification Work	11b. Work Package No.	11c. Modification Work Complete	11d. Restored to Original Condition (Temp. or Standby ECN only)
[] Yes (fill out Blk. 11b) [X] No (NA Blks. 11b, 11c, 11d)	N/A	N/A Cog. Engineer Signature & Date	N/A Cog. Engineer Signature & Date

12. Description of Change

ETN-94-0023-E

Complete revision of ATP.

13a. Justification (mark one)							
Criteria Change	[X]	Design Improvement	[]	Environmental	[]		
As-Found	[]	Facilitate Const.	[]	Const. Error/Omission	[]	Design Error/Omission	[]

13b. Justification Details

The original ATP was too difficult to follow in an earlier attempt at testing.

14. Distribution (include name, MSIN, and no. of copies)

AJ Kostelnik	R1-17 (1)	R Robert	G4-05 (1)
AP Mousel	S6-85 (1)	JJ Verberber	S1-57 (1)
JL Smalley	R1-17 (1)	BR Johns	S6-85 (1)
CENTRAL FILES	L8-04 (2)	OSTI	L8-07 (2)

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DATE DEC 01 1994

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A-7900-013-2 (06/92) GEF095

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1. ECN (use no. from pg. 1): 618304

15. Design Verification Required
[] Yes
[X] No

16. Cost Impact

ENGINEERING			CONSTRUCTION		
Additional	[]	$	Additional	[]	$
Savings	[]	$	Savings	[]	$

17. Schedule Impact (days)
Improvement []
Delay []

18. Change Impact Review: Indicate the related documents (other than the engineering documents identified on Side 1) that will be affected by the change described in Block 12. Enter the affected document number in Block 19.

SDD/DD	[]	Seismic/Stress Analysis	[]	Tank Calibration Manual	[]
Functional Design Criteria	[]	Stress/Design Report	[]	Health Physics Procedure	[]
Operating Specification	[]	Interface Control Drawing	[]	Spares Multiple Unit Listing	[]
Criticality Specification	[]	Calibration Procedure	[]	Test Procedures/Specification	[]
Conceptual Design Report	[]	Installation Procedure	[]	Component Index	[]
Equipment Spec.	[]	Maintenance Procedure	[]	ASME Coded Item	[]
Const. Spec.	[]	Engineering Procedure	[]	Human Factor Consideration	[]
Procurement Spec.	[]	Operating Instruction	[]	Computer Software	[]
Vendor Information	[]	Operating Procedure	[]	Electric Circuit Schedule	[]
OM Manual	[]	Operational Safety Requirement	[]	ICRS Procedure	[]
FSAR/SAR	[]	IEFD Drawing	[]	Process Control Manual/Plan	[]
Safety Equipment List	[]	Cell Arrangement Drawing	[]	Process Flow Chart	[]
Radiation Work Permit	[]	Essential Material Specification	[]	Purchase Requisition	[X]
Environmental Impact Statement	[]	Fac. Proc. Samp. Schedule	[]		[]
Environmental Report	[]	Inspection Plan	[]		[]
Environmental Permit	[]	Inventory Adjustment Request	[]		[]

19. Other Affected Documents: (NOTE: Documents listed below will not be revised by this ECN.) Signatures below indicate that the signing organization has been notified of other affected documents listed below.

Document Number/Revision | Document Number/Revision | Document Number Revision

Purchase Requisition 404878

20. Approvals

Signature	Date	Signature	Date
OPERATIONS AND ENGINEERING		ARCHITECT-ENGINEER	
Cog Engineer JL Smalley J L Smalley	12/1/94	PE	
Cog. Mgr. RJ Blanchard R J Blanchard	11/30/94	QA	
QA JJ Verderber J J Verderber	12/1/94	Safety	
Safety		Design	
Security		Environ.	
Environ.		Other	
Projects/Programs			
Tank Waste Remediation System			
Facilities Operations		DEPARTMENT OF ENERGY	
Restoration & Remediation		Signature or Letter No.	
Operations & Support Services			
IRM		ADDITIONAL	
Other			
Core Sampling Cog Engineer AP Mousel per Telecon AP M	12-1-94		
Design Engineer AJ Kostelnik Alex J. Kostelnik	11-28-94		

RELEASE AUTHORIZATION

Document Number:	WHC-SD-WM-ATP-111, REV.1
Document Title:	Rotary Mode Core Sampling Service Trailer Acceptance Test Plan
Release Date:	December 1, 1994

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

APPROVED FOR PUBLIC RELEASE

WHC Information Release Administration Specialist:

Tamara Kahn, for
Kara M. Broz

December 1, 1994

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SUPPORTING DOCUMENT

1. Total Pages 89 (4pk) 12-1-94

2. Title	3. Number	4. Rev No.
Rotary Mode Core Sampling Service Trailer Acceptance Test Plan	WHC-SD-WM-ATP-111	1

5. Key Words

ETN-94-0023-E
Core Sampling, Service Trailer, WHC-S-056, Aluminum Body Corporation, ABC, Purchase Order 404878, Core Sampling Auxiliary Equipment

KMB 12/1/94 APPROVED FOR PUBLIC RELEASE

6. Author

Name: Alois J Kostelnik

Signature

Organization/Charge Code 71510 / N4XB1

7. Abstract

This Acceptance Test Procedure (ATP) will document compliance with the requirements of specification WHC-S-056 Rev.2 including ECNs 608798 and 616386. The equipment being tested is a furniture type trailer with storage cabinets, lighting and HVAC systems installed. The unit was purchased as a Design and Fabrication procurement activity. The ATP be performed by representatives of the Westinghouse Hanford Company with the assistance of the Seller at the Seller's location.

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9. Impact Level Q

10. RELEASE STAMP

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RECORD OF REVISION	(1) Document Number WHC-SD-WM-ATP-111	Page i

(2) Title

Rotary Mode Core Sampling Service Trailer Acceptance Test Plan

CHANGE CONTROL RECORD

(3) Revision	(4) Description of Change - Replace, Add, and Delete Pages	Authorized for Release	
		(5) Cog. Engr.	(6) Cog. Mgr. Date
0	(7) EDT 609603 11/1/94	JL Smalley	RJ Blanchard
1	Complete revision per ECN 618304 a/k 12-1-94	JL Smalley	RJ Blanchard
		JL Smalley 12/1/94	RJ Blanchard 11/30/94

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1.0 SCOPE

This Acceptance Test Procedure shall verify the requirements for the fabrication of a Service Trailer as defined in WHC-S-056 are met. The Service Trailer will be used in conjunction with the Rotary Mode Core Sampling Truck.

2.0 TEST PERFORMANCE

Westinghouse Hanford Company (WHC) will complete the following test with the assistance of Aluminum Body Corporation (ABC) personnel. WHC personnel shall perform the inspection portion of the test. All steps will be completed and any exceptions shall be noted on the attached exception sheet along with the resolution. Only one exception shall be listed on an exception sheet. ABC shall resolve all exceptions with the concurrence of WHC.

3.0 TEST RECORDS

The original test record shall be maintained by WHC. Copies of all documents which are referenced during testing which document requirement compliance or exceptions shall be retained as part of the test results.

4.0 APPLICABLE DOCUMENTS

The following documents, form a part of the Basis of Design defined in specification WHC-S-056. Applicable sections of the document referenced shall be considered for acceptance of the finished item.

4.1 Government Documents

49 CFR	Code of Federal Regulations (Federal Motor Carrier Regulations)
29 CFR	Code of Federal Regulations (Occupational Safety and Health Act Standards)

4.2 Non-Government Documents

NFPA 70	National Electrical Code (1993)

4.3 Any document determined to be a record of an agreement between the buyer and seller may be referenced and a copy shall be included in this acceptance test results.

5.0 INSPECTION and OPERABILITY

_____5.1 The trailer is identified per the manufacturer's standard markings, as a minimum they shall include the manufacturer's name, model number, serial number, empty trailer weight, maximum payload, and date of fabrication. Record the manufacturer name, manufacture date, model and serial numbers of the Trailer.

Manufacturer / Date	Model / Serial

_____5.2 The trailer is a van trailer, (furniture type), in accordance with all applicable OSHA Standards, and 49CFR, Sections 390 through 397.

_____5.3 The external dimensions of the trailer are nominally 33 feet long, 8 feet wide, and 11 feet overall high. The trailer has a drop deck. The upper deck is 8 feet long minimum.

_____5.4 The trailer has a minimum payload capacity of 25,000 lbs.

_____5.5 The trailer is equipped with a 2-1/2 inch king pin set at 30 inches. Off loading front support consists of a manually operated, multi-speed, landing gear with sand pads. Demonstrate operation of each.

_____5.6 The trailer is equipped with running lights, air suspension air brakes and all typical features required for normal road travel and speeds. Demonstrate that brake lights, clearance lights, and turn lights function.

_____5.7 Two (2) manually operated, 2-speed stabilization jacks are mounted on the rear corners. The jacks are for stationary trailer use only and must be retractable higher than the bottom of the wheel rim. Demonstrate operation of each.

_____5.8 Two rear panel type doors, side hinged, providing a total minimum width opening of 90% of the trailer width is provided. The minimum height of the door opening is 7 feet. The edge of the doors and doorway is edged with steel to provide structural reinforcement against minor impact. The locking mechanism is releasable from the inside and outside. Demonstrate door release operation.

_____5.9 One 36 inch wide curbside, solid, door is located near the front of the trailer. The door is right side hinged and slam lockable with inside/outside lock releases. Demonstrate door release operation.

_____5.10 Locks are supplied to lock the trailer doors when not in use.

_____5.11 Lightweight retractable steps and platform extends across the back of the trailer. Removable handrails are incorporated on both sides of the platform and steps. Handrails are 42" high. Demonstrate rear steps and platform can be folded up and anchored to provide for over the road travel.

_____5.12 Steps and platform are provided for the curbside door. Handrails are incorporated on both sides of the steps. Handrails are 42" high. Steps and platform for the curbside door can be fastened to the trailer and are removable. Handrails are removable.

_____5.13 The inside and outside walls and roof are a minimum of 0.040 inch thick, white, prepainted aluminum. The finish is in good condition.

_____5.14 The flooring is commercial grade, steel safety plate, 1/8 inch minimum thickness.

_____5.15 All seams and penetrations of the trailer have been adequately sealed. Verify roof penetrations will not leak when water is present.

_____5.16 The underside of the trailer is undercoated.

_____5.17 The exterior walls, roof, and floor is insulated with a minimum of 1-1/4 inch polystyrene (styrofoam, R-4/inch) or other material of equal R value.

_____5.18 Three (3) horizontal interior wall fixture support beams are equally spaced on the interior walls. Beams are hardwood, 1"x4" nominal size. Beams are fastened to each vertical stud with bolts.

_____5.19 Two (2) sealed skylights are installed, sized not to interfere with the air condition/heater or interior fluorescent lighting. Located on top of trailer near the front and rear.

_____5.20 A manually operated roof vent is approximately in the center of the trailer. Demonstrate operation of the roof vent.

_____5.21 One (1) cable reel with 4/C #6 W cable is mounted on the front of the trailer. Cable has an Appleton # ACP-1034CD plug. The cable is 225 feet in length ±25 feet. The reel has a manual hand crank to retract the cable.

_____5.22 The following cabinets are mechanically fastened to the trailer, constructed of steel and painted. All doors and drawers have mechanical latching. The dimensions contained in this section are nominal.

_____5.22.1 One open top work bench, 60" long x 24" wide x 34" high. Steel legs, hardwood top, back and side tabletop stops. A pegboard is mounted on the wall behind the work bench. Pegboard is perforated masonite, 48" high x 60" wide 1/4" thick with 9/32" holes on 1" straight centers.

_____5.22.2 Two steel, seven drawer cabinets, 28 inches wide x 22 inches deep. Two bottom drawers 7 inches deep, 4 upper drawers 5-1/2 inches deep, and one top drawer 2-1/2 inches deep.

_____5.22.3 One steel, five drawer cabinet, 28 inches wide x 22 inches deep. Four lower drawers 11 inches deep and one top drawer 7 inches deep.

_____5.22.4 One steel, two door combination cabinet, 36 inches wide x 18 inches deep x 6 feet high. Left half is a wardrobe with a top shelf, right half has six shelves.

_____5.22.5 One steel, two door cabinet, 36 inches wide x 18 inches deep x 6 feet minimum high with five shelves.

_____5.22.6 Three metal shelves 3 feet wide x 6 feet high minimum x 18 inches deep. Spacing between each shelf is to be a maximum of 1 foot. A 3 inch high retaining strip is on the bottom of each shelf.

_____5.23 Two (2) external roll supports are installed nominally 36" wide with 2" diameter support tube.

_____5.24 Three external roll supports are installed nominally 60" wide with 2" diameter support tube.

_____5.25 Two (2) Type A/B/C fire extinguishers, minimum 20 lbs, are mounted inside trailer at floor level near each door.

_____5.26 A 240 VAC, 1ϕ, 3 ton capacity electric air condition/heater is installed and is operational. The air conditioner/heater is thermostatically regulated with no outside to inside air exchange. Verify operation for 15 minutes in both cooling and heating mode.

_____5.27 The fluorescent light fixtures have been installed as shown on the sketches contained in WHC-S-056. Demonstrate operation of lighting and controls.

_____5.28 External floodlights: five (5) 300 watt floodlights are installed. Four of the lights are mounted on the sides of the trailer on telescoping shafts extendable to 6 feet above the top of the trailer. The lights are positioned to distribute light evenly. The fifth light is centered over the rear of the trailer at a fixed height. Demonstrate height adjustment, operation, and removal/installation of the lights.

_____5.29 Electrical fixtures and outlets are installed and wired approximately as shown on the sketches contained in WHC-S-056.

_____5.30 All electrical installations conform to the latest edition of the National Electrical Code. Electrical components are UL approved.

_____5.31 Any fasteners with headmarks matching those on the U. S. Customs Fasteners Headmark list contained in WHC-S-056 are not used on this contract.

_____5.32 Review/compare the drawings provided by the Seller with the equipment for As-Built configuration.

_____5.33 All steps of the ATP have been completed and the Exceptions have been dispositioned.

TEST EXCEPTIONS

TEST STEP # _____ EXCEPTION # _____

DESCRIPTION of EXCEPTION and RESOLUTION

EXCEPTION and RESOLUTION CONCURRENCE:

PRINT NAME COMPANY	SIGNATURE DATE

* Make additional copies as required.