

**ATTACHMENT 7**

**Mobile Service Operating  
Procedures For Low-Level  
Radioactive Waste Processing  
(RP2. DC4 - Rev. 4)**

9705160173 970430  
PDR ADOCK 05000275  
R PDR



11

\*\*\* ISSUED FOR USE BY: \_\_\_\_\_ DATE: \_\_\_\_\_ EXPIRES: \_\_\_\_\_ \*\*\*  
PACIFIC GAS AND ELECTRIC COMPANY NUMBER RP2.DC4  
NUCLEAR POWER GENERATION REVISION 4  
DIABLO CANYON POWER PLANT PAGE 1 OF 4  
ADMINISTRATIVE PROCEDURE

TITLE: MOBILE SERVICE OPERATING PROCEDURES FOR  
LOW-LEVEL RADIOACTIVE WASTE PROCESSING

APPROVED: *A. H. H. H.* 1/5/96 1-19-96  
DATE EFFECTIVE DATE

SPONSORING ORGANIZATION: RADIATION PROTECTION  
PROCEDURE CLASSIFICATION: QUALITY RELATED  
REVIEW LEVEL: "A"

1. SCOPE

1.1 This procedure discusses the use of Mobile Service equipment for the proper, safe and effective processing and/or preparation of radioactive waste for disposal.

2. DISCUSSION

2.1 This procedure contains the individual Operating Procedures necessary to operate the mobile processing and solidification equipment. These procedures and changes there to require PSRC review prior to use.

2.2 The processing conditions necessary to assure that packaged radioactive wastes meet the various governmental and Burial Site Facility Waste Form requirements are addressed in RP2.DC2, "Process Control Program."

3. RESPONSIBILITIES

3.1 The Mobile Service Contractor is responsible for:

3.1.1 Setup of the processing equipment,

3.1.2 Operation of the processing equipment,

3.1.3 Dismantling of the processing equipment.

3.2 Radiation Protection is responsible for:

3.2.1 Performing surveys on the equipment prior to receipt,

3.2.2 Assuring that the DOT requirements have been met prior to the release of the equipment.

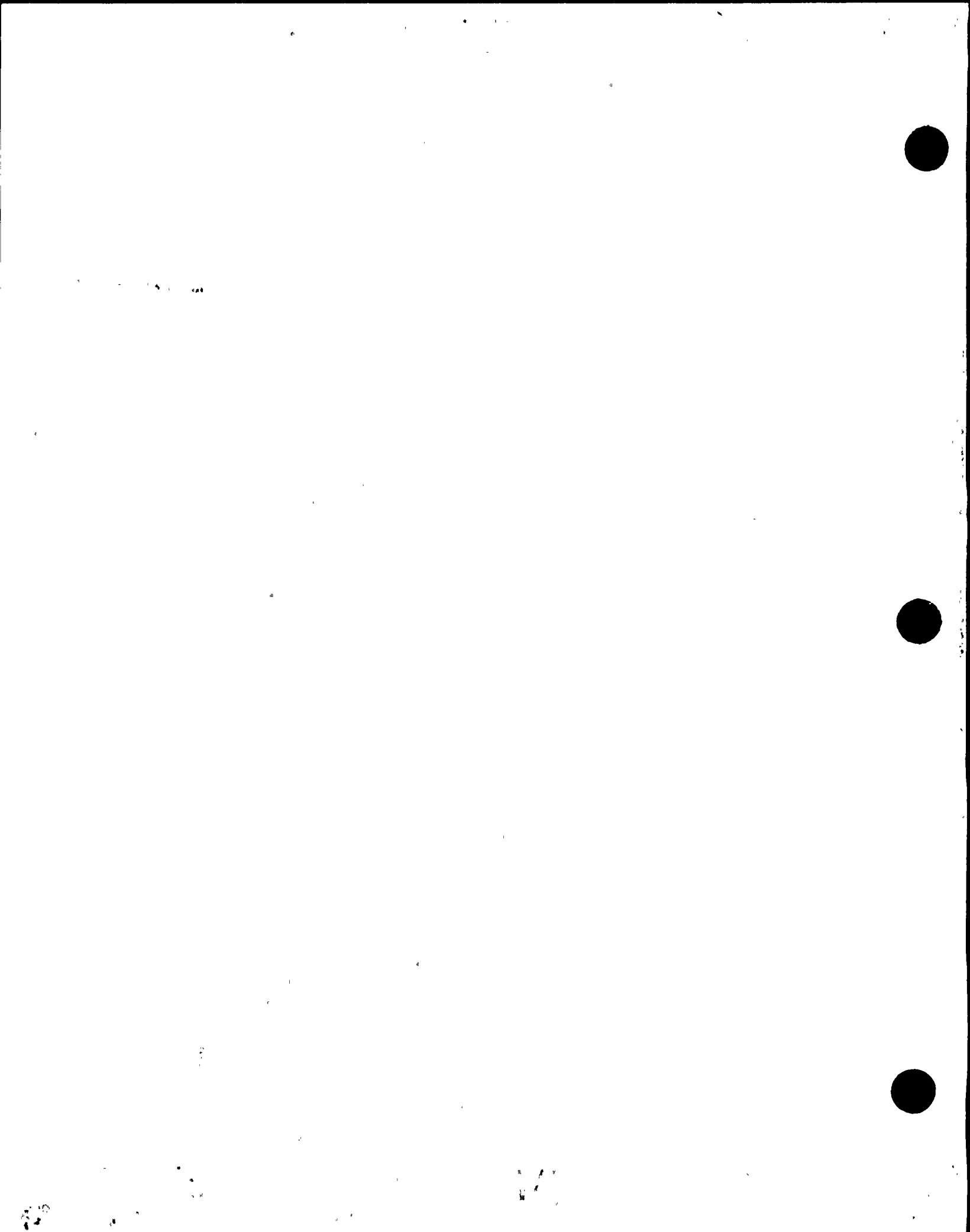
3.3 The Radwaste Engineer is responsible for:

3.3.1 Assuring the most current revisions of the Operating Procedures are on file,

3.3.2 Assuring that the requirements (if any) for effluent monitoring have been discussed with the Chemistry Engineer for radioactive effluents and the implementation of such requirements is conducted.

3.4 The Chemistry Engineer for radioactive effluents is responsible for evaluating and reporting effluents from mobile low-level radwaste processing equipment in the Semi-annual Effluent Report as necessary.

3.5 Quality Control is responsible for the verification that operations have been conducted in accordance with the appropriate Operating Procedures.



TITLE: MOBILE SERVICE OPERATING PROCEDURE FOR  
LOW-LEVEL RADIOACTIVE WASTE PROCESSING

---

4. PREREQUISITES

Changes to the dewatering and solidification procedures contained herein due to changes in equipment which would affect any waste form parameters require submission to the US NRC in the Semi-annual Effluent Report for the period in which the changes were made.

5. INSTRUCTIONS

Follow the appropriate steps in the individual Operating Procedures as listed below:

5.1 Filtration/Demineralization

**NOTE:** Copies of the following procedures are maintained in Document Control Master File, Catalog No. TK-9400/DTI-3.

- 5.1.1 Diversified Technologies, Procedure DT-DCPP-01, WPS™ Waste Processing, Rev. 0.
- 5.1.2 Diversified Technologies, Procedure DT-DCPP-02, WPS™ Adding Media, Rev. 0.
- 5.1.3 Diversified Technologies, Procedure DT-DCPP-03, WPS™ Sluicing Media, Rev. 0.
- 5.1.4 Diversified Technologies, Procedure DT-DCPP-04, WPS™ Leak Check, Rev. 0.
- 5.1.5 Diversified Technologies, Procedure DT-DCPP-08, RO-NF Operations, Rev. 0.

**NOTE:** A copy of the following procedure is maintained in Document Control Master File, Catalog No. TK-9400/SEG-2.

- 5.1.6 Scientific Ecology Group, Inc., Procedure DC-P-03-003, Procedure For Processing Sluice Water In A NUHIC-80B Container at Diablo Canyon, Rev. 0.

5.2 Dewatering

**NOTE:** Copies of the following procedures are maintained in Document Control Master File, Catalog No. TK-9400/SEG-2.

- 5.2.1 Scientific Ecology Group, Inc., Procedure DW-008, Dewatering Procedure for 182 Ft3 Liners at Diablo Canyon Power Plant, Rev. D.
- 5.2.2 Scientific Ecology Group, Inc., Procedure DC-P-03-001, Procedure for Dewatering Bead Resin, Filter Sludge, Zeolites, or Carbon Media with the SEG Dewatering System at Diablo Canyon, Rev. 0.
- 5.2.3 Scientific Ecology Group, Inc., Procedure HC-001, Procedure for Using the SEG Barrier-Plus™ High Integrity Container, Rev. 4.



TITLE: MOBILE SERVICE OPERATING PROCEDURES FOR  
LOW-LEVEL RADIOACTIVE WASTE PROCESSING

---

- 5.2.4 Scientific Ecology Group, Inc., Procedure HC-002, Procedure for Sealing the Barrier Plus™ High Integrity Container for DCP, Rev. 0.
- 5.2.5 Scientific Ecology Group, Inc., Procedure DC-P-03-002, Procedure For Filter Packaging Using the HIC Overpack Assembly at Diablo Canyon, Rev. 0.
- 5.2.6 TFC Nuclear Associates, Inc., Procedure For Handling and Storage of High Integrity Containers, Rev. 4.
- 5.2.7 TFC Nuclear Associates, Inc., Procedure For Sealing High Integrity Containers, Rev. 4.

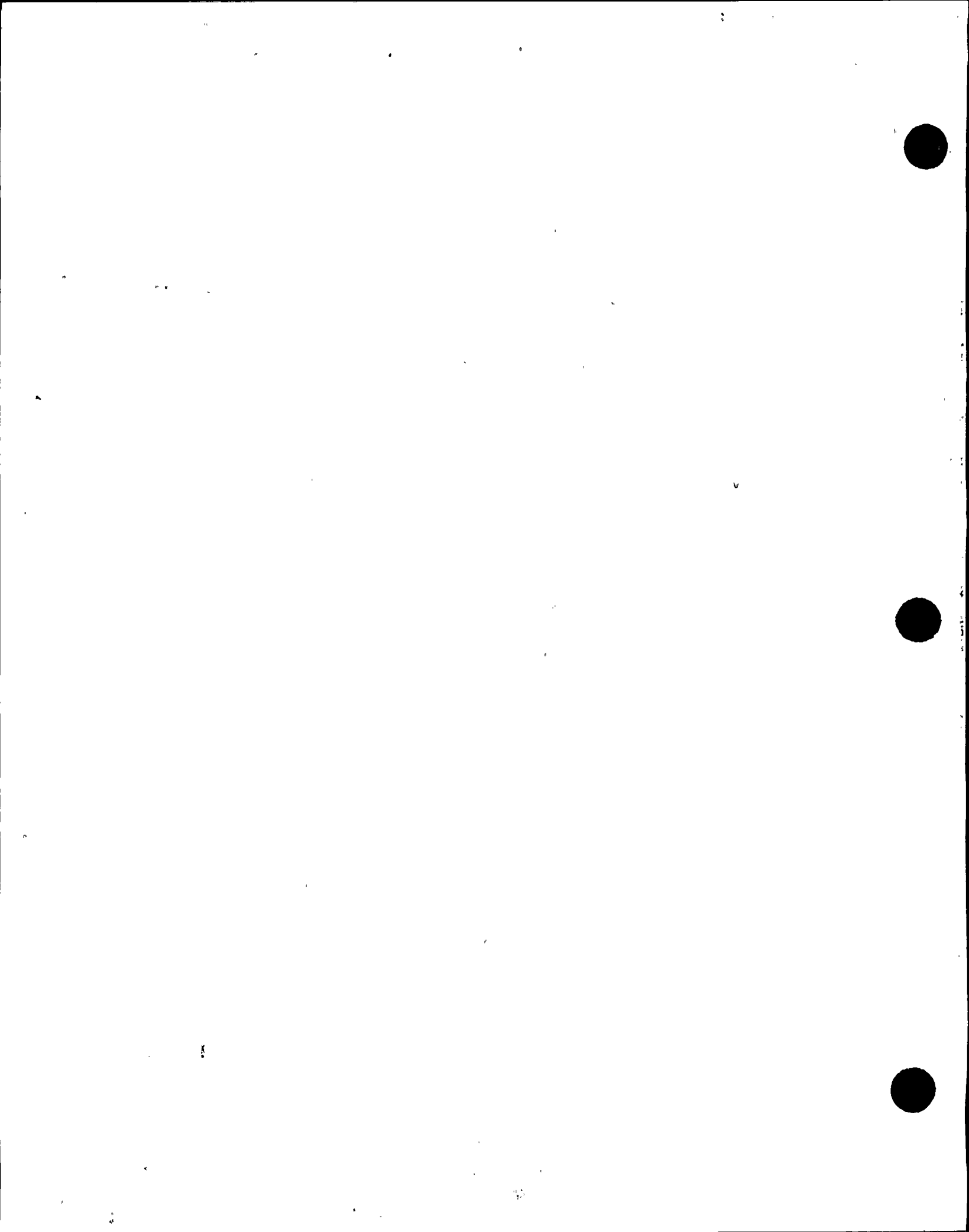
5.3 Solidification

**NOTE:** Copies of the following procedures are maintained in Document Control Master File, Catalog No. TK-9400/SEG-2.

- 5.3.1 Scientific Ecology Group, Inc., Procedure SS-039, Setup/Removal Procedure For SEG Radwaste Solidification System No. 8960 for use at Diablo Canyon Power Plant, Rev. D.
- 5.3.2 Scientific Ecology Group, Inc., Procedure SS-038, Operating Procedure for SEG Radwaste Solidification System No. 8960 for use at Diablo Canyon Power Plant, Rev. E.
- 5.3.3 Scientific Ecology Group, Inc., Procedure SS-054, Procedure for Using the L-80GE Filter Encapsulation Liner at Diablo Canyon, Rev. 0.
- 5.3.4 Scientific Ecology Group, Inc., Procedure SS-040, Contamination Bib Installation/Removal, Rev. C.
- 5.3.5 Scientific Ecology Group, Inc., Procedure SS-041, Procedure for Remote Lid Closure, Rev. C.

**NOTE:** Copies of the following procedures are maintained in Document Control Master File, Catalog No. TK-94001 DTI-2.

- 5.3.6 Diversified Technologies, Procedure DT-DCPP-09, Waste Transfer, Rev. 9.
- 5.3.7 Diversified Technologies, Procedure DT-DCPP-11, Filter Loading, Rev. 9.
- 5.3.8 Diversified Technologies, Procedure DT-DCPP-12, Media Treatment, Rev. 11.
- 5.3.9 Diversified Technologies, Procedure DT-DCPP-13, VERI Solidification, Rev. 15.
- 5.3.10 Diversified Technologies, Procedure DT-DCPP-15, VES Solidification, Rev. 0.





**TITLE: MOBILE SERVICE OPERATING PROCEDURES FOR  
LOW-LEVEL RADIOACTIVE WASTE PROCESSING**

---

5.4 Dry Active Waste Processing

**NOTE:** The following procedure is maintained in Document Control Master File,  
Catalog No. TK-9400/SEG-2.

Scientific Ecology Group, Inc., Procedure DC-P-28-001, Procedure for using the SEG  
Barrier Plus™ Container with Foam Lining at Diablo Canyon, Rev. A.

6. RECORDS

Records of dewatering and solidification operations shall be submitted to the Records  
Management System on a shipment basis by container per RCP RW-4.

7. REFERENCES

7.1 Scientific Ecology Group, Inc., Quality Assurance Program, Rev. 4, Document  
Control Master File, Catalog No. TK-9400/SEG-3.

7.2 RP2.DC2, "Process Control Program."

7.3 RP2.DC3, "Dewatering Control Program."

7.4 Diversified Technologies, Procedure QIP 20-09, Operator Training Procedure, Rev. 1.

8. SPONSOR

C. Clint Miller



11