

Complete for all types of Release	Purpose		New ID Number <sup>3-4-92</sup> <b>PCA-PD-2479</b> <del>WHC-CM-5-9</del> SEE LIST INSIDE
	<input type="checkbox"/> Speech or Presentation <input type="checkbox"/> Full Paper <input type="checkbox"/> Summary <input type="checkbox"/> Abstract <input type="checkbox"/> Visual Aid (Check only one suffix)		Existing ID Number (include revision, volume, etc.) <b>PA-240-202 REV C-23, PD-020-140, PD-322-009 REV C, WHC-CM-5-7</b>
	<input type="checkbox"/> Reference <input type="checkbox"/> Technical Report <input type="checkbox"/> Thesis or Dissertation <input type="checkbox"/> Manual <input type="checkbox"/> Brochure/Flier <input type="checkbox"/> Software/Database <input type="checkbox"/> Controlled Document <input checked="" type="checkbox"/> Other <u>ECOLOGY</u>		Date Release Required <b>3-5-92</b>
Title <b>DOCUMENTS FOR PUREX TK-F18 TANK INSPECTION</b>		<i>See attached</i> <b>ECOLOGY</b>	Unclassified Category UC-
Title of Journal		Group or Society Sponsoring	
Date(s) of Conference or Meeting		City/State	Will proceedings be published? <input type="checkbox"/> Yes <input type="checkbox"/> No Will material be handed out? <input type="checkbox"/> Yes <input type="checkbox"/> No
Title of Conference or Meeting			

**CHECKLIST FOR SIGNATORIES**

Review Required per WHC-CM-3-4	Yes	No	Reviewer Name (printed)	Signature	Date
Classification/Unclassified Controlled Nuclear Information	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Patent - General Counsel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>B.D. Williams</u>	<i>B.D. Williams</i>	<u>3/4/92</u>
Legal - General Counsel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>B.D. Williams</u>	<i>B.D. Williams</i>	<u>3/4/92</u>
Applied Technology/Export Controlled Information or International Program	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
WHC Program	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Communications	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
DOE-RL Program	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>D.A. Brown</u> <u>RG HOLT</u>	<i>D.A. Brown</i> <i>R. S. Holt</i>	<u>3-5-92</u> <u>3/05/92</u>
Publications Services	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Other Program	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
References Available to Intended Audience	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>Historical References</u>		
Transmit to DOE-HQ/Office of Scientific and Technical Information	<input type="checkbox"/>	<input checked="" type="checkbox"/>			

Information conforms to all applicable requirements. The above information is certified to be correct.

Author/Requestor (Printed/Signature) <u>Steve Szendrea</u> <i>Steve Szendrea</i>	Date <u>3-3-92</u>
Responsible Manager (Printed/Signature) <i>[Signature]</i> <u>B.B. Erlanson</u>	Date _____
Intended Audience <input type="checkbox"/> Internal <input type="checkbox"/> Sponsor <input checked="" type="checkbox"/> External	

**INFORMATION RELEASE ADMINISTRATION APPROVAL STAMP**

Stamp is required before release. Release is contingent upon resolution of mandatory comments

**INFORMATION**



**APR 1992 RECEIVED EDMG**

30-500-062 (04-90)

Date Received 3-5-92 *CD*

2324 2526 2728 293031-1234567891011213141516171819



List of Documents included in this package

- 1) Purex Plant Operating Procedure for U Cell Waste and Transfer to Underground Storage - Document No. PO-240-200. Rev C-23
- 2) Purex Plant Operating Procedure "Perform Intra-Plant General Transfers for Purex - Document No. PO-020-140 Rev C-0
- 3) Purex Plant Operating Procedure "Perform Sump Handling and TK-F18 Disposal" - Document No. PO-320-009 Rev C-15
- 4) Procedure Change Authorization change to procedure ~~PO-240-200~~ Rev. C-23  
PCA # PO-2479.
- 5) Page from the Purex Operation Log for 1-3-92
- 6) Purex Tank Liquid Level Sheet - Document No. TCM-P-130-00001 Rev A-0
- 7) PUREX/UO3 Plant Morning Report dated January 6, 1992
- 8) Environmental Spill Checklist - Filled out by Environmental Protection Personnel for the January 3 incident.
- 9) PUREX/UO3 PLANT ADMINISTRATION Manual WHC-CM-5-9 Rev 2
- 10) Drawings H-2-63243-1, H-2-52087, H-2-52453, H-2-52521-1,2,3, H-2-63286-1, and H-2-63243-2

9 2 1 2 5 7 9 0 3 5 4

**PROCEDURE CHANGE AUTHORIZATION**

Impact Level

PCA No.

Page 1 of 1

PROCEDURE  
PO-240-200

C-23 POP

No. Rev/Mod Type

HANDLE U CELL WASTE AND TRANSFER TO UNDERGROUND STORAGE  
Title

PCA EFFECTIVE DATE

1-20-92

PCA EXPIRATION DATE

3-20-92

FACILITY

202-A

Controlled Location Codes Where PCA does not apply.

PCA TYPE

- Supersedure
- Temporary
- Permanent
- PCA Continuation sheet attached
- Annotated pages attached
- Annotated document attached

REASON FOR CHANGE

To allow the transfer of solution from TK-U3 or TK-U4 to be transferred to TK-F18.

INITIATED BY

Name Sean M. Eiholzer

PUREX Process Technology Support 3-2694  
Title/Organization Phone

APPROVAL

*[Signature]* 1/13/92  
Cognizant Engineer Date

*[Signature]* 1/20/92  
Cognizant Engineer's Manager Date

*[Signature]* 1/20/92  
Technical Date

*[Signature]* 1/17/92  
Quality Assurance Date

*[Signature]* 1-16-92  
Safety Date

*[Signature]* 1/14/92  
OPTIONAL APPROVAL

Safeguards Material Control Date

Operations Support Services Date

FINAL APPROVAL

*[Signature]* 1/20/92  
Approval Authority Date



WORK COMPLETION/CANCELLATION

DUE TO

- Work Completed (prior to expiration)
- Other - Explain:

SIGNATURES

Operational/Title Date

Technical/Title Date

DISTRIBUTION:

Information Copies

Engineering Configuration Management  
(for SOPs, JPAs, POPs only)

J.P. Hayfield 95-106

S.M. Eiholzer 56-18

Manager, Technical Component

J.A. Newbill

QA Representative

A.F. Young

DESCRIPTION OF CHANGE (page no./step no./change)

On page 1, section I, add a new paragraph between the first and second paragraphs which says the following:

Due to the slow generation of waste solution in TK-U3 and TK-U4, and the continued troubles of transfers to Tank Farms, it may be necessary to transfer solution to TK-F18, in order to meet the 90 day limit (discussed below). When necessary, waste solution may be transferred to TK-F18 with the approval of the Shift Manager. Verification that the route is in place should be done prior to making the transfer.

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PROCEDURE CHANGE AUTHORIZATION

Impact Level

2

PCA No.

PO-2479

Page 3 of 5

DESCRIPTION OF CHANGE (page no./step no./change)

On page 4, section IV, TOOLS AND SUPPLIES, add the following to the list:

PO-320-009, PERFORM SUMP HANDLING AND TK-F18 DISPOSAL

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DESCRIPTION OF CHANGE (page no./step no./change)

On page 6, add a new task, called D, and change all trailing tasks to the next alphabetical letter higher. The new task should be as follows:

D. TRANSFER TK-U3 OR U4 CONTENTS TO TK-F18

DATE \_\_\_\_\_

OPERATOR

NOTE - The completion of each step indicated by a blank line must be documented by initialing procedure. Completed procedure must be returned to supervision.

1. Request that the Shift Manager verify that the route from TK-U3 or TK-U4 to TK-F18 is in position.

\_\_\_\_\_  
Shift Manager

~~AAAAAA~~

2. Verify that TK-F18 is ready to receive the transfer. (Reference procedure PO-320-009 for handling inputs to TK-F18 requirements)

NOTE - The following information in steps 3 and 4 should be recorded just before transfer.

3. Record the following:

- a. Time and date of transfer on WFR-U3 or WFR-U4 strip chart. \_\_\_\_\_
- b. Time, date, and source on WFR-F18 strip chart. \_\_\_\_\_

4. Complete the TK-F18 before transfer data on the appropriate INPUTS TO TK-F18 DATA SHEET. \_\_\_\_\_

5. Shutoff TK-U3 or TK-U4 agitator using appropriate STOP button. \_\_\_\_\_

6. If WFR-F18 reading exceeds 10 WF, and if the TK-F18 agitator is not already on, turn on TK-F18 agitator. \_\_\_\_\_

NOTE - If jet malfunctions, refer to Task G.

NOTE - To transfer TK-U3 to TK-F18, go to step 7.  
To transfer TK-U4 to TK-F18, go to step 8.

7. Jet TK-U3 contents to TK-F18. \_\_\_\_\_

- a. Open steam valves U-09-04 and U-09-03.
- b. Turn jet controller JC-U3 to ON.
- c. Continually monitor liquid level on WFR-U3. If liquid level fails to decrease for 3 minutes or tank is empty, stop transfer.
- d. When transfer is complete, turn JC-U3 to OFF.

(continued on next page)

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PROCEDURE CHANGE AUTHORIZATION

Impact Level

2

PCA No.

PO-2479

Page 5 of 5

DESCRIPTION OF CHANGE (page no./step no./change) Cont. on Pg. 6

- 8. Jet TK-U4 contents to TK-F18.
  - a. Open steam valves U-09-04 and U-09-03.
  - b. Turn jet controller JC-U4 to ON.
  - c. Continually monitor liquid level on WFR-U4. If liquid level fails to decrease for 3 minutes or tank is empty, stop transfer.
  - d. When transfer is complete, turn JC-U4 to OFF.
  
- 9. Complete TK-F18 after transfer data on appropriate INPUTS TO TK-F18 DATA SHEET.

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