**ENGINEERING CHANGE NOTICE**

<table>
<thead>
<tr>
<th>2. ECN Category (mark one)</th>
<th>3. Originator's Name, Organization, MSIN, and Telephone No.</th>
<th>4. USQ Required?</th>
<th>5. Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supplemental</td>
<td>Katie White, 7C700, R3047, 373-9329</td>
<td>□ Yes □ No</td>
<td>July 19, 2000</td>
</tr>
<tr>
<td>Direct Revision</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Change ECN</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temporary</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Standby</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supersede</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cancel/ Void</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>6. Project Title/No./Work Order No.</th>
<th>7. Bidg./Sys./Fac. No.</th>
<th>8. Approval Designator</th>
</tr>
</thead>
<tbody>
<tr>
<td>W-521, Waste Feed Delivery Systems</td>
<td>AP, AW, AY, SY</td>
<td>Q</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>HNF-5372, Revision 0</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**12a. Description of Change**

This ECN supersedes HNF-5372 with RPP-6649, Revision 0. HNF-5372 applied to the conceptual design phase. RPP-6649 applies to advanced conceptual design and later project phases.

No USQ is required as the QAPP is outside the scope of the USQ procedure. KAW 7/14/00

<table>
<thead>
<tr>
<th>14a. Justification (mark one)</th>
<th>14b. Justification Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Criteria Change</td>
<td>HNF-5372 was written to cover conceptual design only. RPP-6649 was written to address all later project phases and to incorporate recent sister project lessons learned.</td>
</tr>
<tr>
<td>Design Improvement</td>
<td></td>
</tr>
<tr>
<td>Environmental</td>
<td></td>
</tr>
<tr>
<td>Facility Deactivation</td>
<td></td>
</tr>
<tr>
<td>As-Found</td>
<td></td>
</tr>
<tr>
<td>Facilitate Const.</td>
<td></td>
</tr>
<tr>
<td>Const. Error/Omission</td>
<td></td>
</tr>
<tr>
<td>Design Error/Omission</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>15. Distribution (include name, MSIN, and no. of copies)</th>
</tr>
</thead>
<tbody>
<tr>
<td>W. J. Powell S3-13</td>
</tr>
<tr>
<td>R. R. True R2-89</td>
</tr>
<tr>
<td>K. A. White R3-47</td>
</tr>
</tbody>
</table>

**RELEASE STAMP**

AUG 02 2000
DATE: HANFORD
STA: RELEASE
ID: 4

A-7900-013-2 (10/97)
### Engineering Change Notice

#### 1. ECN (use no. from pg. 1)
```
659075
```

#### 16. Design Verification Required
- No

#### 17. Cost Impact
- Additional: $ N/A
- Savings: $ N/A

#### 18. Schedule Impact (days)
- Improvement: N/A
- Delay: N/A

#### 19. 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 13. Enter the affected document number in Block 20.

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

#### 20. 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: RPP-6653, Initial Release

#### 21. Approvals

<table>
<thead>
<tr>
<th>Design Authority</th>
<th>Date</th>
<th>Signatures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design Authority</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cog. Eng. W.J. Powell</td>
<td>7/19/00</td>
<td></td>
</tr>
<tr>
<td>Cog. Mgr. C.W. Miller</td>
<td>7/19/00</td>
<td></td>
</tr>
<tr>
<td>QA</td>
<td>7/19/00</td>
<td></td>
</tr>
<tr>
<td>Safety</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environ.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td>7/19/00</td>
<td></td>
</tr>
</tbody>
</table>

#### Department of Energy

Signature or a Control Number that tracks the Approval Signature

#### Additional

- 
- 
- 
- 
- 
-
QUALITY ASSURANCE PROGRAM PLAN
CONCEPTUAL DESIGN PHASE OF PROJECT
W-521
WASTE FEED DELIVERY SYSTEMS

Holmes and Narver | D M J M for
CH2M HILL Hanford Group Inc.
Richland, WA 99352
U.S. Department of Energy Contract DE-AC06-99RL14047

EDT/ECN: 630186  Charge Code: 110323
Cost Center: 7C700  Total Pages: 21
B&R Code: EW3130000

Key Words: W-521, Waste Feed Delivery Systems, Program Plan, Quality, QAPP

Abstract: The Quality Assurance Program Plan (QAPP) describes the quality assurance implementation strategy for Project W-521 during conceptual design.

TRADEMARK DISCLAIMER. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof or its contractors or subcontractors.

Printed in the United States of America. To obtain copies of this document, contact: Document Control Services, P.O. Box 960, Mailstop H6-06, Richland WA 99352, Phone (509) 372-2420; Fax (509) 376-4989.

Approved For Public Release
<table>
<thead>
<tr>
<th>(3) Revision</th>
<th>(4) Description of Change - Replace, Add, and Delete Pages</th>
<th>Authorized for Release</th>
</tr>
</thead>
<tbody>
<tr>
<td>RS 1</td>
<td>Entire document superseded by RPP-6649, Rev. 0</td>
<td></td>
</tr>
</tbody>
</table>

Change Control Record


7/14/00  7/14/00