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ENGINEERING CHANGE NOTICE

Page 1 of 21. ECN 611439Proj.
ECN

2. ECN Category (mark one) Supplemental <input type="checkbox"/> Direct Revision <input checked="" type="checkbox"/> Change ECN <input type="checkbox"/> Temporary <input type="checkbox"/> Standby <input type="checkbox"/> Supersedure <input type="checkbox"/> Cancel/Void <input type="checkbox"/>	3. Originator's Name, Organization, MSIN, and Telephone No. D. E. Skoglie 8H400/RDICA S3-24 373-7496	3a. USQ Required? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4. Date March 31, 1996	
	5. Project Title/No./Work Order No. NA	6. Bldg./Sys./Fac. No. NA	7. Approval Designator EQ	
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12. Description of Change
 WHC-SD-EN-AP-122, Rev 1, "Hanford Well Remediation and Decommissioning Plan" was Reved (1). The document does not contain change bars as substantial formatting and organizational changes were incorporated to clarify and update information.



13a. Justification (mark one)

Criteria Change <input type="checkbox"/>	Design Improvement <input type="checkbox"/>	Environmental <input type="checkbox"/>	Facility Deactivation <input type="checkbox"/>
As-Found <input type="checkbox"/>	Facilitate Const <input type="checkbox"/>	Const. Error/Omission <input type="checkbox"/>	Design Error/Omission <input type="checkbox"/>

13b. Justification Details
 WHC-SD-EN-AP-122 is utilized to formalize and incorporate the approval process. Rev 1 was initiated to reformat/organize and change sentence structure to clarify meaning. The intent of this Rev (1) is not to change requirements or policy.

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

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15. Design Verification Required <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	16. Cost Impact				17. Schedule Impact (days)	
	ENGINEERING		CONSTRUCTION			
	Additional	<input type="checkbox"/> \$ NA	Additional	<input type="checkbox"/> \$	Improvement	<input type="checkbox"/> NA
	Savings	<input type="checkbox"/> \$	Savings	<input type="checkbox"/> \$	Delay	<input type="checkbox"/>

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

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
NA		

20. Approvals

Signature	Date	Signature	Date
<u>OPERATIONS AND ENGINEERING</u>		<u>ARCHITECT-ENGINEER</u>	
Cog. Engineer D. E. Skoglie <i>David Skoglie</i>	05/07/96	QA	_____
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Environ. N/A		Other	_____
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R. G. Brunke DES 05/11/96			_____
ENV. W.E. Toebe	5/15/96 <i>W.E. Toebe</i>		_____
		<u>DEPARTMENT OF ENERGY</u>	
		Signature or a Control Number that tracks the Approval Signature	
		N/A	_____
		<u>ADDITIONAL</u>	
		N/A	_____

Hanford Well Remediation and Decommissioning Plan

D.E. Skoglie
 WHC, Richland, WA 99352
 U.S. Department of Energy Contract DE-AC06-87RL10930

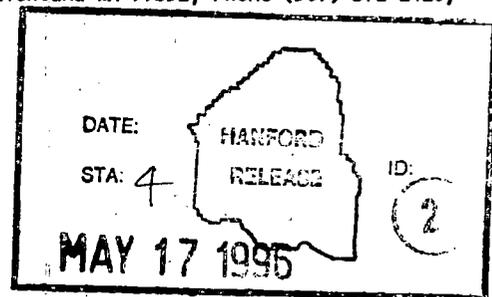
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Abstract: This plan provides the requirements for conducting well remediation and decommissioning activities.

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Kara Borz 5/17/96
 Release Approval Date

Release Stamp

Approved for Public Release

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1.0 INTRODUCTION

Protection of Hanford Site groundwater and assessment of its use (or contamination) upon public safety are required by federal and state regulations and U.S. Department of Energy (DOE) policy, ("Hanford Site Groundwater Protection Management Program," DOE, 1989). Compliance with constraints applicable to the use of existing wells requires assessment as to the suitability for use and needs for rehabilitation, remediation, or decommissioning of existing groundwater wells and other boreholes potentially affecting aquifers beneath the Hanford Site. This plan provides the requirements for conducting well remediation and decommissioning activities.

1.1 BACKGROUND

Approximately 4,696 groundwater wells and vadose zone boreholes have been drilled on the Hanford Site. Approximately 3,286 wells still exist (WHC-SD-EN-DP-071, Rev 1, Hanford Well Custodians). Most of these boreholes were drilled prior to 1987 and do not conform to presently accepted construction standards intended to protect groundwater resources (Ecology, 1990). A majority of the wells installed since 1987 were constructed to current standards for well construction which mandate seals between the permanent casing and the formation to prevent potential migration of contaminated liquid.

The older wells were generally drilled by cable tool rigs using the drill and drive method. This method involves drilling while driving casing fitted with a drive shoe to prevent friction locking of the casing. Upon reaching desired depth, the casing was usually perforated to allow inflow of groundwater. Generally, no surface or annular seals were installed between the formation and casing. Wells that lack seals can allow migration of contaminants from surface to the water table. The lateral flow derived from cribs or waste tank leaks can also migrate along the casing, potentially reaching groundwater.

Contaminants and other sources have moved down the casing and into the groundwater in the past. In response to this problem, a program of surface/annular seal installation was carried out from 1976 through 1985. The program involved perforation of existing casing and installation of grouted inner liners in several hundred wells in the 200 Areas. Wells were selected based upon proximity to potential contamination sources. Documentation of this process was limited to archived drilling logs.

The majority of Hanford wells are still in use or are abandoned (Table 1). Over 500 ground water wells have gone dry due to infiltration of sediments into the screened interval or lowering of the water table.

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TABLE 1. HANFORD SITE WELL STATUS

HANFORD SITE WELL STATUS	
CURRENT STATUS	TOTAL WELLS
ABANDONED	1,245
AWAITING DECOMMISSIONING	33
CLAIMED	417
DESTROYED	136
DRILLING IN-PROCESS	7
IN-USE	2,417
ORPHAN	395
PRIVATE	2
PRIVATE IN-USE	8
UNABLE TO LOCATE	3
UNKNOWN	33
TOTAL WELLS TRACKED	4,696

NOTE: The numbers in Table 1 above were tallied January 1996.

2.0 REFERENCED CODES, STANDARDS, AND SPECIFICATIONS

2.1 FEDERAL REGULATIONS AND GUIDANCE

- DOE, 1989, *Hanford Site Groundwater Protection Management Program*, DOE/RL-89-12, U.S. Department of Energy, Richland, Washington.
- Ecology, EPA, and DOE, 1990, *Hanford Federal Facility Agreement and Consent Order*, 2 Vols., Washington State Department of Ecology, U.S. Environmental Protection Agency, and U.S. Department of Energy, Olympia, Washington.
- DOE, 1988, *General Environmental Protection Program*, DOE Order 5400.1, U.S. Department of Energy, Washington, D.C.

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2.2 WASHINGTON ADMINISTRATIVE CODE (WAC)

Ecology, 1990a, *Minimum Standards for Construction and Maintenance of Wells*, WAC 173-160, Washington State Department of Ecology, Olympia, Washington.

Ecology, 1990b, *State Waste Discharge Permit Program*, WAC 173-216, Washington State Department of Ecology, Olympia, Washington.

2.3 WESTINGHOUSE HANFORD COMPANY

WHC, 1988a, *Management Control System*, WHC-CM-2-5, Westinghouse Hanford Company, Richland, Washington.

WHC, 1988b, *Environmental Compliance*, WHC-CM-7-5, Westinghouse Hanford Company, Richland, Washington.

WHC, 1988c, *Environmental Investigations and Site Characterization Manual*, WHC-CM-7-7, Vol. 1, Westinghouse Hanford Company, Richland, Washington.

EII-1.6, "QA Record Processing"

EII-6.6, "Resource Protection Well Characterization and Evaluation"

EII-6.10, "Abandoning/Decommissioning Groundwater Wells."

WHC, 1988d, *Vadose Zone Well Remediation Report: An Assessment Using Existing Data*, WHC-SD-EN-AP-009, Rev 0, Westinghouse Hanford Company, Richland, Washington.

WHC, 1992, *Specification for Remediation of Existing Resource Protection Wells*, WHC-S-0115, Westinghouse Hanford Company, Richland, Washington.

WHC, 1994, WHC-SD-EN-AP-161, Rev 0, *Fitness-for-Intended-Use Evaluation Recommendations for Hanford Site 600 Area Wells*.

WHC, 1995, WHC-SD-EN-DP-071, Rev 1, *Hanford Well Custodians*.

3.0 HANFORD SITE WELL USE

Several programs presently construct and/or utilize existing and newly drilled wells to provide characterization and groundwater monitoring data (DOE, 1989). Table 2 provides a current tabulation of existing wells and corresponding custodians. The programs are summarized in the following paragraphs.

3.1 GROUNDWATER SURVEILLANCE AND MONITORING PROGRAMS**3.1.1 Site-Wide Surveillance**

The independent site-wide surveillance program for the Hanford Site is conducted by Pacific Northwest National Laboratory. This program monitors the effects, if any, of DOE activities at Hanford to onsite and offsite environmental and natural resources. At the present time, over 795 monitoring wells on the Hanford Site are used to

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assess the impact of specific facilities and to track the movement of contaminant plumes from past practice disposals. Many of the wells used in this assessment are selected from the operational monitoring networks to define site-wide contaminant distribution patterns. Both chemical and radiological constituents are examined.

3.1.2 Operational Monitoring

The operational groundwater monitoring program conducted by Westinghouse Hanford Company (WHC), which may be considered "near-field monitoring," addresses groundwater conditions in

TABLE 2. HANFORD SITE WELL USE

HANFORD SITE WELL USE	NUMBER OF WELLS
Bechtel Hanford Inc.	561
City Well	12
Kaiser Engineers Hanford	7
S.C. Benton Irrigation District/State Wildlife	2
Pacific Northwest National Laboratories	1,203
U.S. Ecology	5
Westinghouse	3,291
Other	45
TOTAL	5,126
NOTE: The overall well total in TABLE 2 is greater than the total number of wells listed since a single well may be In-Use by multiple site contractors.	

and adjacent to reactor and chemical processing operations in the 100, 200, 300, 400 and 1100 areas. Operational groundwater monitoring has been carried out at the Hanford Site since the early days of the project.

3.1.3 Resource Conservation and Recovery Act (RCRA) Permit Characterization and Monitoring

The RCRA groundwater monitoring program conducted by WHC currently involves site-specific monitoring and/or well installation at 20 facilities under EPA interim status

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regulations. Over 250 new RCRA-compliant monitoring wells have been installed for this purpose.

3.1.4 Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Monitoring and Site Characterization

Several CERCLA "groundwater operable units" have been identified at Hanford. Monitoring wells within these units are located so as to define the nature and extent of contaminant plumes.

Use of data from existing wells is generally included as a part of a specific groundwater operable unit work plan. Wells selected for this purpose often must be remediated to allow for their use. Other existing wells within the operable unit may be identified for remediation or decommissioning. The Environmental Restoration Contractor (ERC) has responsibility for wells associated with programs conducted under CERCLA.

3.1.5 Washington 216-Permitted Facilities

Permits administered by Washington Administrative Code (WAC) 173-216 (Ecology, 1990b) are required for facilities that dispose of liquid waste streams to the ground. These permits require sampling and analysis plans and groundwater impact assessments. Existing vadose and groundwater wells are used for active and inactive crib monitoring.

3.1.6 Washington Underground Storage Tank Monitoring

Groundwater monitoring is required for underground storage tanks containing petroleum products and "other regulated substances."

3.2 VADOSE ZONE CHARACTERIZATION AND MONITORING

Several hundred vadose zone wells are used by WHC to monitor subsurface waste storage and disposal sites to provide early warning of potential waste movement that could signal potential or future groundwater contamination problems. Many of these wells may require remediation or decommissioning to preclude groundwater resource contamination caused by well construction inadequacies (WHC, 1988d).

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3.3 WATER SUPPLY WELLS

A limited number of water supply wells are present on the Hanford Site. The wells are used for water supply at isolated facilities or as emergency facility backup water supplies. These wells may require rehabilitation or remediation as determined by the users.

3.4 RESEARCH OR SPECIAL PURPOSE WELLS

Several series of research or special purpose wells have been drilled on the Hanford Site. The wells include stratigraphic and hydrologic investigation boreholes, reactor siting study boreholes and destroyed seismic test holes. Selected wells may require rehabilitation, reconfiguration or remediation.

3.5 NON-DOE CONTRACTOR WELLS

Several non-DOE contractors such as the Washington Public Power Supply System, Skagit Power, Siemens Nuclear and US Ecology have constructed characterization and facility monitoring wells, which may be selected for future remediation or decommissioning.

4.0 REGULATORY REQUIREMENTS**4.1 FEDERAL AND DOE REQUIREMENTS**

Applicable DOE, other federal, and Washington state statutory requirements governing use and construction of groundwater wells are summarized in *Hanford Site Groundwater Protection Management Program* (DOE, 1989).

This document also illustrates the groundwater protection strategy required by DOE Order 5400.1 (DOE, 1988). One of the elements of this strategy is a management program for groundwater protection and remediation. This management program requires that well remediation, decommissioning and maintenance plans be developed to support operational, RCRA and CERCLA groundwater monitoring requirements.

4.2 STATE STANDARDS FOR WELL CONSTRUCTION, MAINTENANCE AND ABANDONMENT

The State of Washington Department of Ecology (Ecology) has issued standards governing groundwater well design, maintenance, construction, and abandonment in WAC 173-160 (Ecology, 1990a). These standards will be applied to the remediation and decommissioning of existing wells.

The term *decommissioning* is used in this plan as equivalent to the properly completed and documented abandonment of a groundwater or resource protection well.

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WAC 173-160 may be used to evaluate the fitness for intended use and impact upon groundwater resources of existing boreholes. Provisions exist within the standard for variances allowing alternative construction specifications upon prior application on a case-by-case basis to Ecology.

4.3 HANFORD FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

The Hanford Federal Facility Agreement and Consent Order (Ecology, EPA, and DOE, 1990), commonly known as the Tri-Party Agreement, establishes requirements for the conduct of environmental investigations on the Hanford Site. Functional design requirements for use of existing wells are developed based upon approved decisions reached under this agreement.

4.4 HANFORD FACILITY RCRA PERMIT

The Hanford Facility RCRA Permit became effective and enforceable on September 28, 1994. The Permit is written in two parts. The first part is the *Dangerous Waste Portion of the Resource Conservation and Recovery Act Permit for the Treatment, Storage, and Disposal of Dangerous Waste* and is issued by the Washington State Department of Ecology (Ecology). The second part is the *Hazardous and Solid Waste Amendments Portion of the Resource Conservation and Recovery Act Permit for the Treatment, Storage, and Disposal of Hazardous Waste*, and is issued by the Environmental Protection Agency (EPA). Part one specifies requirements for the inspection, maintenance, remediation, and decommissioning of wells subject to the Permit in Part II F. The Permit requires that for wells subject to the permit, permittee shall achieve full compliance with Chapter 173-160 WAC and Chapter 18.104 RCW by the year 2012 (Ecology, EPA, and DOE, 1990) Part two of the Permit specifies well construction, maintenance and decommissioning requirements in Attachment A part B.c.

4.5 OTHER STATE OR RCRA PERMITS

Permits for other RCRA or WAC 173-216 facilities may apply to this plan or the use of existing wells. Applicable requirements will be incorporated into this plan when identified.

4.6 USE OF EXISTING WELLS

The Ecology and the EPA developed a policy in response to the issue of many existing wells for RCRA and CERCLA work. This policy, "Data Quality Objectives and Remediation Criteria For RCRA and CERCLA wells at the Hanford Site June 1990," was transmitted to DOE/RL on July 16, 1990. The policy specifies the minimum remediation requirements for existing wells proposed for use in RCRA or CERCLA monitoring programs.

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4.7 ENVIRONMENTAL COMPLIANCE

The Environmental Compliance Manual (WHC, 1988b) establishes overall environmental compliance requirements for WHC. Applicable requirements are incorporated into operating procedures and specifications.

5.0 REMEDIATION AND DECOMMISSIONING ACTIVITY MANAGEMENT AND CONTROL**5.1 IDENTIFICATION OF WELL REQUIREMENTS**

Wells identified to have a potential problem, e.g., do not meet WAC 173-160 construction requirements, have no use, etc., will be evaluated to determine extent of problem and mitigation required. Additionally, federal or state regulators may identify wells for evaluation. Subsequently, request(s) for remediation or decommissioning activities may be performed on boreholes or groups of boreholes.

Each well proposed for use or decommissioning is evaluated and placed into action categories based upon present and future use, degree of environmental impact, location and construction characteristics. The criteria used includes:

Potential or Present Use:

- Groundwater quality analysis;
- Water level measurements;
- Geophysical logging or monitoring;
- Water supply;
- Groundwater or soil remediation;
- Soil characteristics; and
- No known use.

Environmental Effect:

- Potential affect on groundwater resources, particularly the Columbia River, confined aquifers and groundwater not presently contaminated;
- Demonstrated contamination migration or aquifer interconnection; and
- Category list.

Location and Construction:

- Spatial location with respect to permitted facilities or RCRA site requirements;
- Well configuration;
- Well construction materials; and
- Available construction maintenance records.

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Action Categories include:

- No action required, well is acceptable for defined data quality objective(s);
- Rehabilitation to original condition required to attain data quality objective(s) and fulfill criteria for Intended Use;
- Remediation required to protect groundwater resources or to attain required data quality objective(s); and
- Decommissioning required, the well cannot be remediated or has no documented present or future use.

Wells within each Action Category are evaluated and assigned a priority status. The wells are scheduled for Use, Remediation or Abandonment.

5.2 DESIGN REVIEW AND APPROVAL

The mechanism for approval under the Tri-Party Agreement (Ecology, EPA, and DOE, 1990) of proposed use or decommissioning of groundwater wells requires identification of data quality objectives by user groups, selection of existing well data points, compilation of well construction and sampling data, and preparation of a schematic proposal for remediation or abandonment of specific wells.

This schematic proposal addresses present conditional, recommended actions and suggested well completion geometry on a case-by-case basis. It is then transmitted to representatives of all other concerned Hanford Site users for review and approval.

When strict compliance with the requirements of WAC 173-160 is not possible for the proposal, application may be made to Ecology for approval of a variance prior to the work being done.

The proposal can be presented to DOE, EPA and/or Ecology during regularly scheduled overview meetings for comment and concurrence. This review and concurrence is considered equivalent to the well construction variance process allowed in WAC 173-160-020. Approved meeting minutes can act as the implementing approval document.

In some cases concurrence cannot be provided during meetings. Approval and additional guidance, if required, is provided by specific correspondence between Ecology, EPA, and DOE. This correspondence may be identified as an action item during overview meetings.

Past correspondence and historical data relating to design requirements are a part of existing functional design requirements. This information is used to generate schematic drawings and fitness-for-intended-use evaluations for wells under consideration for use, remediation, or abandonment.

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5.3 CONTRACTOR INTERFACE/RESPONSIBILITIES

Integration and coordination of Hanford Site well remediation and decommissioning activities is necessary to fulfill the requirements of the Hanford Site Groundwater Management Program (DOE, 1989).

WHC is functionally responsible for management, field direction and documentation of groundwater well remediation and decommissioning activities on the Hanford Site. The responsible function also coordinates required design review and approval for use of existing groundwater wells.

Figure 1 provides a process chart for completion of identified requirements for groundwater well remediation or decommissioning.

5.4 CONDUCT OF OPERATIONS

All fitness-for-use assessments and field operations are planned and conducted according to approved procedures and specifications. Governing procedures are Environmental Investigations Instructions (EIIs) contained in WHC-CM-7-7 (WHC, 1988c). Specific EIIs are cited within this plan as applicable.

5.4.1 Fitness-For-Use

Assessment of fitness-for-intended use of identified wells is done according to EII 6.6. This EII also provides the mechanism for obtaining review and approval of proposed schematic remediation or decommissioning methods. This review and approval process involves all potential users and involved groups. A Supporting Document (SD), "Fitness-for-Intended-Use Evaluation Recommendations for Hanford Site 600 Area Wells," WHC-SD-EN-AP-161, Rev 0., (WHC, 1994) has been prepared that formalizes the Fitness-For-Use documentation and incorporates the approval process.

5.4.2 Remediation Specifications

A generic remediation specification, "Specification for Remediation of Existing Resource Protection Wells," has been prepared for groundwater wells requiring remediation (WHC, 1992). Remediation field activities are controlled by EII 8.3.

5.4.3 Decommissioning Requirements

Decommissioning requirements are contained in WAC 173-160, EII 6:10 and borehole specific instructions implemented by the field operations crews.

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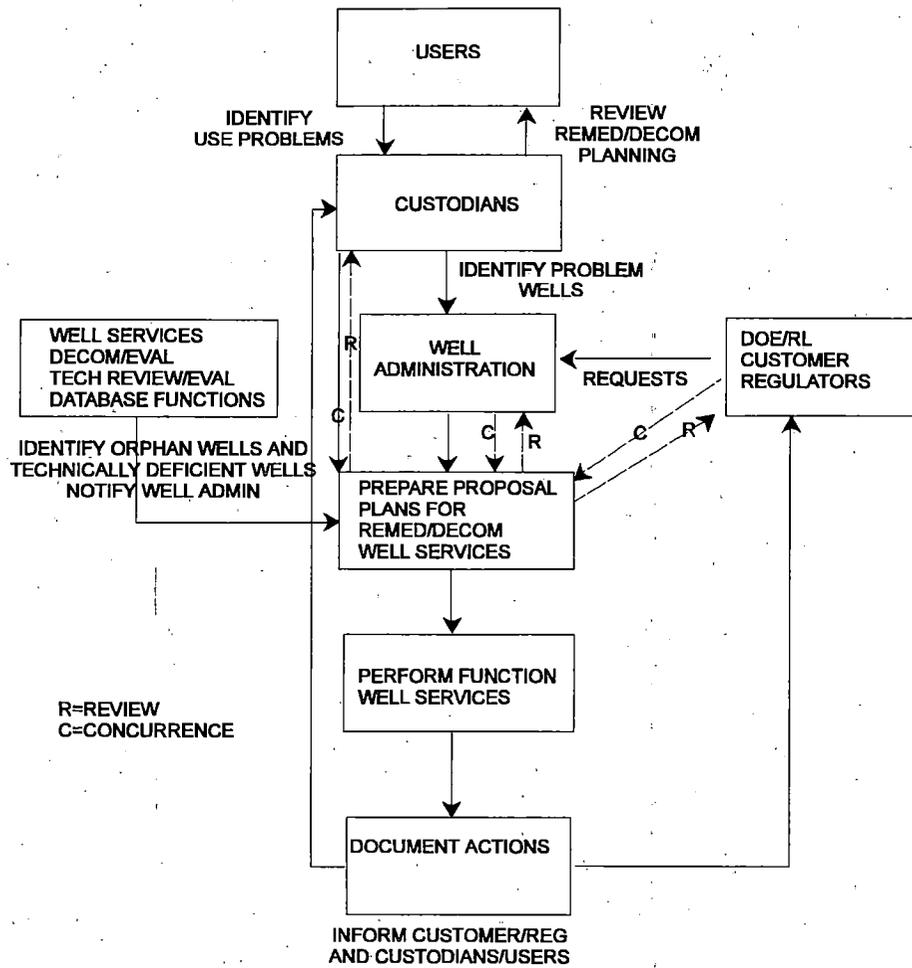


Figure 1. Process Chart for Remediation/Decommissioning of Hanford Site Wells

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5.5 EFFLUENT MONITORING AND WASTE MANAGEMENT

Specifications and applicable EIIs, in section 4.0 and 5.0 of WHC 1988c, address the effluent monitoring and waste management requirements of WHC-CM-7-5 (WHC, 1988b) and provide for control and disposition of fluids and waste produced during maintenance, remediation or decommissioning of wells.

5.6 HEALTH AND SAFETY

Health and safety requirements are addressed in specifications and instructions for all maintenance, remediation and decommissioning activities. These requirements may include special training, field safety, radiological safety and hazardous waste safety. Excavation permits and/or a Job Hazard Analysis are obtained for work as needed.

5.7 PLANNING AND BUDGETING

Work within this activity is controlled under the WHC Management Control System as defined in WHC-CM-2-5 (WHC, 1988a).

5.7.1 Work Breakdown Structure

Work within this activity is a part of the WHC product oriented Work Breakdown Structure. An element of the applicable work breakdown structure is a specific Cost Account Authorization annually developed for well rehabilitation, remediation and decommissioning. The cost account authorization contains scope of work, budget, identified milestones and a Level III schedule for attainment of the milestones.

5.7.2 Cost Account Management

The Cost Account Manager prepares a Cost Account Plan containing the detailed time-phased planning, monitoring, and controlling of the cost account work. The cost account plan is then input into the Financial Data System for tracking to assure that planned work is completed on schedule and within budget.

5.7.3 Change Control

Changes to schedule, budget or baseline are as specified in WHC-CM-2-5.

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5.8 REPORTING

5.8.1 WAC 173-160 Reporting

WAC 173-160-050 requires that every well contractor, within thirty days after completion (or alteration) of a well, submit a complete record on the construction or alteration of the well to Ecology.

Well contractors must notify Ecology of their intent to construct, re-construct, or abandon a well at least seventy-two hours before starting work by completion of a well construction notification card (Start card).

Abandonment procedures for resource protection wells must be recorded on a form provided by Ecology. Well abandonment must be recorded and reported to Ecology within thirty days of abandonment.

5.8.2 Activity Documentation and Hanford Site Well Database

Well remediation and decommissioning field activities are documented as required by EII 1.6 and other applicable EIIs. Summaries of reviewed field activity reports are entered into a Hanford Site Well Database system maintained by WHC's Well Services.

5.8.3 Summary Reports

Summary activity reports will be provided to representatives of well use organizations. Site contractors and DOE/RL generally meet on a monthly basis to discuss well issues.

5.8.4 Annual Report

An annual report summarizing remediation and decommissioning activities will be prepared and issued for public clearance within 90 days after the end of each fiscal year.

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