Rockwell Hanford Operations	QUALITY ASSURANCE PROCEDURE	No. 9-301 REV 2
Title: READINESS REVIEW	Approved By: J. W. Pattieson, Director, Safety and Quality Assurance	Issue Date: 04-26-85

(For Concurring Approvals, See Page 10)

SCOPE

A readiness review shall be conducted prior to startup on significant processes and facilities which qualify under the criteria defined in RHO-MA-100, Rockwell Hanford Operations Policies Manual, 6-10. This requirement applies to new processes/facilities, significantly modified processes/facilities, reactivation of shutdown or standby processes/facilities, and processes/facilities that are shutdown for cause. This applies to processes and facilities, including, but not limited to, production, waste management, operations, research and test operations, and Decontamination and Decommissioning (D&D). The extent of disruption, alteration or modification necessary to require a readiness review will be determined by the process/facility functional Director. For processes/facilities where it is determined that a readiness review is not required, refer to RHO-MA-100, Policy 6-10.

The readiness review process will provide verification and documentation to assure that:

- Applicable criteria for design, construction, modifications and operations have been satisfied.
- All safety and environmental protection requirements have been met.
- Required managerial controls have been implemented.
- The facility can be operated in accordance with established policy and procedures.

REFERENCE DOCUMENTS

RHO-MA-100, Rockwell Hanford Operations Policies Manual, 6-10, Readiness Review, 8-11, Independent Safety Review Program, 3-18, Open Action Tracking System, 9-11, Control of Standby Facilities.

ERDA-76-45-1, Energy Research and Development Administration Manual, SSDC-1, Occupancy-Use Readiness Manual.

SAN 821-2, Energy Research and Development Administration, Division of Safety, Standards and Compliance, "Management Oversight and Risk Tree" (MORT).

RHO-MA-150, Rockwell Hanford Operations Quality Assurance Manual, 9-201 Centralized Document Control System for Productive Records.

RHO-CD-828, Readiness Review Documentation Outline.

RHO-QA-MA-2, Decontamination and Decommissioning Readiness Review Documentation Outline.

DOE-RL 5481.1, Safety Analysis and Review System.

DEFINITIONS

- Facility is a structure, group of structures or a portion thereof and the contained equipment (e.g. dissolver, concentrator, storage system) that performs a major phase of the process or operation.
- A modified facility is one that has been changed by addition or deletion of equipment, by new construction, or by alteration of process to the degree that the product or function is changed significantly.
- Shutdown is the suspension of operations, either temporarily or for placing in standby status.
- Shutdown for cause is the cessation of activity or operations due to an incident/accident or malfunction of major equipment.
- Readiness review is a formal examination of a facility or plant and pertinent documentation to determine its readiness to operate.
- Mini review is a structured scaled-down version of a full readiness review that is conducted when the full scope of the Readiness Review Documentation Outline is deemed unnecessarily extensive.
- Readiness Review Board is a group of functional representatives established to independently assess startup team action/recommendations and concur that the facility or process is ready for use.
- Startup Team is a working group of representatives involved in preparing the facility for operation or who will be operating the facility. The startup team consists of representatives from Research and Engineering, Safety and Quality Assurance, Construction Coordination and Plant Operations. Other support groups will be represented as appropriate.

- Process is the collectively defined functions performed in and by the equipment contained within a facility or between facilities in which a variable is to be controlled, monitored or verified.

REQUIREMENTS

1.0 GENERAL REQUIREMENTS

1.1 With concurrence from the Plant Manager of the facility involved, the Department Manager responsible for operations of the facility/process shall establish the Startup Team, appointing one member to serve as chairperson. Appointment of Startup Team members shall be concurred by each respective member's manager. Notification of selection to a Startup Team shall be by internal letter (I.L), with distribution to include the Program Manager, Startup Team members and their managers.

1.1.1 In situations where, due to the simplicity of facility/-process or other reasons, it is determined an entire team is unnecessary, the Department Manager, with written concurrence of the Program Manager of the applicable program and the department Manager's Director, shall appoint an individual who will be responsible for the requirements normally assigned to the Startup Team, except for the QA and QIC representatives' action assignments.

1.2 In addition the responsible Department Manager, with the concurrence of the Program Manager shall:

- Provide the scope or review parameters when review is necessary due to extended shutdown, shutdown for cause, i.e., incident or accident, or when modifications or alterations made to an existing process/facility are not identified by project scope.

NOTE: The Readiness Review Board should be established at the same time as the Startup Team in order to independently review the scope of the readiness review established by the responsible Department and Program Managers and address any possible need for additional coverage of supporting facilities or services. The Readiness Review Board may be inactive for a period of time after initial approval of the scope of the review.

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1.3 The Program Manager, with the concurrence of the functional Director for the facility involved shall:

- Establish an independent Readiness Review Board and request by IL, concurrence of each member's director.
- Establish the schedule of milestones.
- Appoint the Readiness Review Board Chairperson and request by IL, concurrence of that member's director.
- Keep the DOE-RL counterpart constructively informed when DOE startup approval is required.

1.3.1 The Readiness Review Board for Decontamination and Decommissioning (D&D) activities will be comprised of a minimum of four members, two representing Safety and Quality Assurance and one each from Plant Operations and Research and Engineering.

1.4 The Startup Team shall utilize the Readiness Review Documentation Outline, RHO-CD-828 or RHO-QA-MA-2 to:

- Develop an action list and respond to assigned action items with individual functional expertise.
- Assure that all items assigned are completed and verified.
- Provide all necessary backup documentation to assure that documented proof is available.
- Conclude that the facility/process is ready for use and recommend startup to the readiness review board.
- Upon conclusion of all actions required, provide to the Startup Team Chairperson any "lessons learned" from the review, such as problems encountered, deficiencies noted or suggestions for improvements to the readiness review process. The chairperson will forward any comments to the Quality Information Center (QIC) and the Startup Team representatives of Research and Engineering and Operations for coordination and resolution.

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1.4.1 Startup Team members shall have the delegated authority to:

- Coordinate and obtain support, as required, from their function for items beyond their personal expertise but within their functional responsibilities.

- Elevate action to higher management for problem resolution.

1.4.2 When a full readiness review per the criteria established in RHO-MA-100, Policy 6-10 is judged by the Startup Team, to be unnecessarily extensive, a "mini review" will be conducted on the facility/process/system utilizing the RHO-CD-828 or RHO-QA-MA-2 mini review concept. The Startup Team Chairperson will issue an internal letter, defining the scope of the startup under consideration and justifying the use of the mini review, to the Readiness Review Board, requesting their concurrence.

- Distribution shall include, but not be limited to, the Plant Manager, Program Manager, Functional Director and QIC.

1.5 The Readiness Review Board shall:

- Review the Readiness Review Documentation Outline, RHO-CD-828 or RHO-QA-MA-2, as modified by the Startup Team, adding additional areas to be assessed as necessary.

- Review documentation submitted by the Startup Team. This review can be accomplished incrementally on an established schedule (i.e. weekly, monthly, or any other prearranged time interval).

- Evaluate documentation for clarity, completeness, applicability and validity.

- Approve Anomaly Dispositions (ADs) (form no. A-6700-192) identifying those items which will not be completed prior to startup and the corrective action identified.

NOTE: The Readiness Review Board will define on the AD what actions will require technical review and identify the approval authority for documenation submitted to complete the action.

- Make the determination of whether or not the facility/process is ready for use, based on the documentation accumulated and a review of the facility/process.

- Recommend startup approval to the functional director of the facility.

- Be responsible to the facility/process functional Director unless there is a disagreement, at which time accountability would shift to the General Manager.

1.5.1 The Readiness Review Board Chairperson shall have the delegated authority to represent Rockwell during DOE-RL interfaces on readiness review matters.

1.6 The Quality Information Center (QIC) shall:

- Provide the Master Readiness Review Documentation Outline, RHO-CD-828 or RHO-QA-MA-2.

- Assist and provide guidance in the completion/use of the RHO-CD-828 or RHO-QA-MA-2, by the Startup Team and Readiness Review Board for documentation purposes.

- Organize accumulated readiness review documentation, including those initiated by the Startup Team, Readiness Review Board and DOE.

- Prepare ADs used to document post-startup action list items. Action assignees for post-startup items shall be negotiated to ensure that the assignee is correct and agrees that the action is appropriate, resources are available to meet the commitment, and that the due date for completion is reasonable.

- Be the initiator of all post-startup ADs entered into the Automated Action Tracking System (AATS).

  NOTE: Due date extensions or context changes to post-startup ADs will require the concurrence of the Readiness Review Board, or in cases where the Board has been disbanded, the involved functional Director shall approve.

- Assure sign-off of all completed readiness review items by the individual Startup Team members.

- Be the records retention center for documentation supporting the readiness review.

2.0 PROCESS FLOW

2.1 The Generic Readiness Review Application Guide (Appendix "A" of the Readiness Review Documentation Outline), will be utilized by the Startup Team as an established checklist of criteria for assessing facility/process readiness. All questions, in Appendix "A", will be considered and dispositioned in accordance with the instructions in the Readiness Review Documentation Outline. Additional items/ questions requiring consideration may be added by the startup team in accordance with the outline instruction. Startup Team/Readiness Review Board members will give top priority to completion of action assignments.

2.2 Results of the Safety Committee review will be made available to the startup team to provide visibility of Safety Committtee findings to avoid redundant review activities by the Startup Team and the Readiness Review Board, in accordance with RHO-MA-100, 8-11.

2.3 Startup Team Review Process Flow, Attachment 1.

Readiness Review Board Action Process Flow, Attachment 2.

3.0 APPROVALS

The Readiness Review Board shall unanimously concur that the process/facility is ready for occupancy/use/startup and document it by Internal Letter, to the responsible functional Director. All members of the Readiness Review Board shall sign the IL. The process/facility shall not be activated prior to this recommendation, satisfactory resolution of open items, and written approval or concurrence on the IL by the Director responsible for the process/facility under review. Distribution of the IL shall include the General Manager, Readiness Review Board members, Startup Team Chairperson and Quality Information Center for documentation purposes.

When DOE-RL approval is required, per Policy 6-10 and DOE-RL 5481.1, a letter shall be submitted to DOE-RL, signed by the Rockwell General Manager, recommending startup and:

- Providing a description of the facility/process and the scope covered by the review.
- Stating what actions have been taken to determine that the process/facility is ready for startup.

- Stating the criteria against which readiness for startup has been measured.

- Clearly identifying any open action items including post-startup.

NOTE: These same guidelines will be utilized for presentations by the Startup Team/Readiness Review Board Chairpersons to DOE-RL, unless DOE-RL has requested only a specific area be addressed.

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CONCURRING APPROVALS:

E B ash
E. B. Ash
Director, Basalt Waste Isolation Project
4/24/85
Date

R R Gadd for
C. V. Di Pol
Director, Chemical Processing
4-22-85
Date

M P Larson
M. P. Larson
Director, Program Business Management
3-25-85
Date

R J McDermott
R. J. McDermott
Director, Site Services
3/18/85
Date

R. D. Prosser
Director, Waste Management
4-22-85
Date

A. L. Reeser
Director, Plant Operations
4/24/85
Date

D D Wodrich
J. H. Roecker
Director, Research and Engineering
3/22/85
Date

L. L. Zahn
L. L. Zahn
Director, Special Isotope Separations
4-22-85
Date

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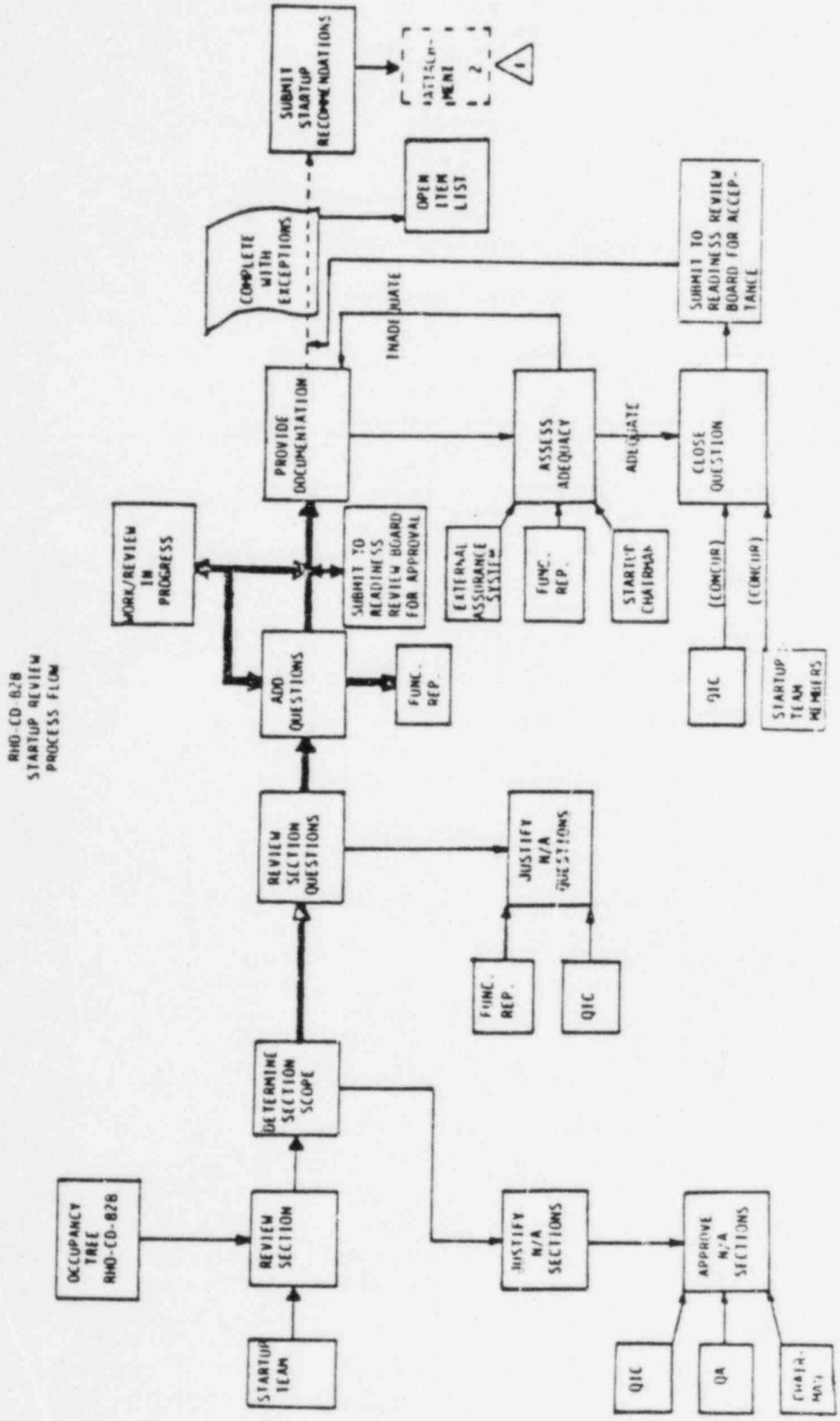
RHO-CD-828
STARTUP REVIEW
PROCESS FLOW



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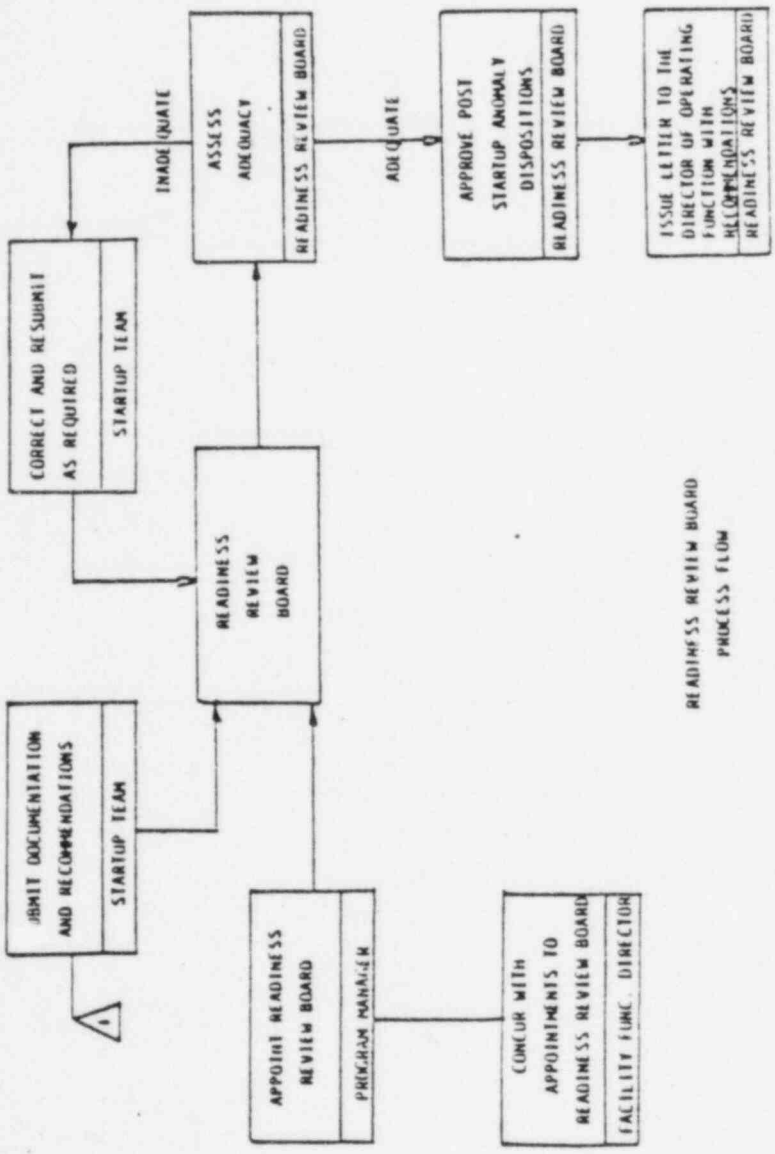

READINESS REVIEW BOARD
PROCESS FLOW

CACG MEETING
MINUTES
2/30-4/1/85
ATTACHMENT #7

GRADED QUALITY ASSURANCE

Methodology Proposes Three Quality Classes:

- Class 1 - Q-List Items
- Class 2 - Programmatically Important (Non Q-List)
- Class 3 - Others

And

Three Quality Grades:

- Grade A - Quality Assurance Program
- Grade B - Quality Verification Program
- Grade C - Inspection

Grades will be determined by an evaluation of the relative importance of the item or activity and its potential impact on the overall program.

Different evaluation methods may be applied to:

- Hardware Items
- Field Tests/Investigations
- Computer Programs/Results
- Technical Studies/Reports

Some examples of numerical merit factors are:

Hardware -

- Complexity
- Design Status
- Manufacturing status
- Product Experience
- Safety
- Reliability

Field Tests/Investigations -

- o Conditions under which performed
- o Complexity of the activity
- o State of the Art
- o Personnel safety/other hazards
- o Expected replicability of results

Application of graded QA to Q-List items (see 3.2, page 5).

APPLICATION OF GRADED QUALITY ASSURANCE TO THE GEOLOGIC REPOSITORY PROGRAM

1.0 INTRODUCTION

1.1 The U.S. Nuclear Regulatory Commission (NRC) requires that all items and activities in the geologic repository that are important to safety and/or waste isolation be identified and covered by U.S. Department of Energy's (DOE) QA program and that the rationale for determining how items and activities are important to safety and waste isolation be provided (NRC Review Plan, Appendix A, 2.1).

The NRC further requires the DOE to determine and identify the extent of Quality Assurance (QA) application to specific items and activities. This effort involves applying a defined graded QA approach in accordance with their importance to safety or to waste isolation. (NRC Review Plan, Appendix A 2.5.)

1.2 The DOE requires the establishment and implementation of plans and actions in all DOE programs to assure quality achievement with primary emphasis on operational success and other programmatic considerations and with due consideration to health and safety, environmental protection, performance, reliability, and other concerns (5700.6A, Section 6.a).

1.3 DOE has developed a methodology for determining how engineered structures, systems and components are important to safety and to waste isolation. This is contained in the paper titled "Methodology for Generating a Q-List for Geologic Repositories" dated June 4, 1985. The Q-lists will be developed by the OGR projects consistent with the established program-wide methodology.

1.4 OCRWM Document "Quality Management Policies and Requirements" (QMPR) requires organizational components of the Civilian Radioactive Waste Management Program (CRWMP) to develop the rationale and the method for determining how CRWMP items and activities are important to the protection of public health and radiological safety; to waste isolation; and to the achievement of mission performance objectives.

1.5 This methodology for application of graded QA management controls in the geologic repository program is developed to address and satisfy the NRC and DOE requirements.

2.0 GRADED QA PHILOSOPHY

The purpose of the graded QA approach is to establish or optimize levels of quality management controls on an item or activity being performed according to the desired degree of assurance of quality and integrity of the item or activity commensurate with the intended function, service and duty. Accordingly, items and activities that are important to the protection of the health and radiological safety of the public should merit the most comprehensive and stringent quality management controls.

On the other hand, an item whose failure or malfunction would not present a hazard to the health and safety of operating personnel, but could result only in operational inconvenience or some economic loss may deserve only a quality inspection of the item at the end of the assembly line. Between these two extremes there are varying degrees of quality controls and quality verification that can be instituted to establish the desired confidence on the quality of the completed item.

3.0 METHODOLOGY FOR GRADED QUALITY ASSURANCE

3.1 Quality Classification

For the purpose of developing the graded QA approach, the following quality classification of items and activities subject to quality management controls are defined below:

Quality Class 1 includes items and activities that are important to the protection of the health and radiological safety of the public and isolation of the wastes. Project Q-List items belong to Quality Class 1.

Quality Class 2 items and activities are those that are (i) essential to the achievement and assurance of major mission performance objectives, exclusive of radiological health and safety and waste isolation, (ii) important to the occupational health and safety of operating personnel, (iii) essential for reliable repository operation, and (iv) to be procured at high cost or require long lead time periods for manufacture and delivery, and the failure or inoperability of

which could have significant adverse impact on mission performance objectives and program costs. Quality Class 2 items also include technical data and computer codes not in Quality Class 1 which, if unsatisfactory or of indeterminate quality, could have a significant adverse impact on base technology development, schedule or cost.

Quality Class 3 includes all other items and activities not categorized as Quality Class 1 or Class 2. Quality Class 3 items and activities should have no appreciable impact on public health and safety, occupational safety or on the accomplishment of mission performance objectives.

Project Offices are to classify items and activities according to the described quality classes. Project lists of items and activities assigned to each quality class will be transmitted to OGR Headquarters as early as possible but not later than the commencement of site characterization. These lists are to be updated periodically as the repository design and site characterization progresses.

Quality Class 2 and Class 3 items and activities are to be further categorized according to their relative importance to the achievement of mission performance objectives, worker health and safety, base technology development, facility schedule, cost and operation. Project Offices are to submit to OGR Headquarters their additional categorization of Class 2 and Class 3 items and activities for determination of the quality program levels to be applied.

3.2 Quality Program Management Controls

It is theoretically possible to apply graded QA program levels within each of the three quality classes. At present, however, there are no immediate plans to have Quality Class 1 items and activities placed under a graded QA program. Considering that the planning, engineering, and design for the repository is still in the very early stages, it is not feasible to identify and distinguish those items and activities that are intended to preclude or mitigate the consequences of an accident or to inhibit the release of radioactivity and transport of radionuclides from those that perform nominal safety functions only. In order not to compromise public health and safety, it is deemed prudent not to make the distinction between such items and activities at this time but to place them all under the same Quality Grade level. As the site characterization progresses and the repository design matures, with system components and their functions better defined, the conservatism in the graded QA approach will be gradually relaxed.

3.2.1 QA Program for Quality Class I Items

Quality Class 1 items are to be covered by the most comprehensive and stringent quality management controls. The QA Program that meets this condition is that program which satisfies the quality assurance requirements described in the following documents:

- o DOE Order 5700.6A
- o ANSI/ASME NQA-1 Standard, with basic and supplementary requirements
- o Appendix B to 10 CFR Part 50
- o NRC QA Review Plan

3.2.2 QA Programs for Quality Class 2 Items

Quality Class 2 items and activities will be subjected to a graded QA Program. The levels of the QA Program to be established for these items and activities will be dictated by their importance, desired quality and integrity, and potential impact on the repository program. The levels could range from one equivalent to that applied for the Quality Class 1 items to a much simplified quality inspection program.

3.2.3 QA Program for Quality Class 3 Items

Quality Class 3 items and activities will be subject to reasonable quality control measures based on an inspection program to be developed, and on good engineering, manufacturing and construction practices. Graded QA Program will be applied to Quality Class 3 items and activities.

3.3 Quality Program Grades

Three levels of Quality Program management controls are considered adequate for the application of graded Quality Assurance to the

repository program. These levels, in the decreasing order of scope, complexity and importance, are the following:

- Grade A - Quality Assurance Program
- Grade B - Quality Verification Program
- Grade C - Quality Inspection Program

3.3.1 Quality Program Grade A (Quality Assurance)

A Quality Assurance Program will be assigned to the following:

- Quality Class 1 structures, complete functional systems, integral units, and components (Q-List items)
- Quality Class 1 activities which would help prevent or mitigate events that could cause an undue risk to the health and safety of the public
- Quality Class 1 tests and analyses essential to achieving adequate confidence that emplaced wastes will remain isolated from the accessible environment
- Quality Class 2 items and activities that:

i) have significant impact on the achievement of OGR repository program performance objectives;

ii) are essential to the OGR repository program but the technology applied is still to be proven, is pioneering or in its state-of-the-art; and

iii) are to be procured at very high costs or which require long periods for manufacturing and delivery, and the failure or inoperability of which could have significant adverse impacts on program costs, schedule and repository operation.

Quality program Grade A will require a Quality Assurance Program that addresses all the 18 requirements given in ANSI/ASME NQA-1, Appendix B to 10 CFR 50, and DOE Order 5700.6A.

3.3.2 Quality Program Grade B (Quality Verification)

Quality Program Grade B level will be assigned to the following:

o Quality Class 2 items and activities that

i) are important to the occupational health and safety of operating personnel

ii) provide safety support and mission performance back-up functions to Quality Class 1 and Class 2 items and activities with assigned Quality Program Level A management controls

iii) consist of technical data, computer codes and programs which, if unsatisfactory or of indeterminate quality, could have an adverse impact on base technology development, program schedule and costs

iv) are not in the Q-List but are essential for reliable facility operation and radiological safety

v) are field tests, investigations and experiments including field data and results collected that are essential for engineering design and component specifications

o Quality Class 3 items and activities that

i) provide information needed for system design, repository operation and radiological safety.

The Quality Program Grade B will be primarily a Quality Verification Program and will have minimal preventative aspects. Personnel indoctrination to the quality program will be required. Training and qualification of personnel performing quality inspection and verification will also be required.

Compared to the quality assurance requirements of program level A, the Grade B program will have less requirements in the following areas:

- A Quality Verification Document, in lieu of a Quality Assurance Plan, will be prepared for approval only by the responsible quality control supervisor. The document will cover verification of quality as the principal objective of inspection and document review activities

- Preventative requirements such as contract reviews, design reviews, quality audits and quality program assessments will not be part of the verification program

- Document control, procurement document control, quality reviews of reports and QA records will not be as stringent and exhaustive as that desired for the quality assurance program.

3.3.3 Quality Program Grade C (Quality Inspection)

Quality Program Grade C will be applied to the following:

- Quality Class 2 items and activities essential for normal repository operation only

- Components of Quality class 2 items that are not critical to the functional performance of the Class 2 item

- Quality Class 3 items and activities not requiring Quality Program Level B.

Program Level C will be primarily a Quality Inspection Program which is to assure that work is performed in accordance with good engineering practice, with good workmanship and documented properly, where required. The Quality Inspection Program Planning will not be documented. Documentation will be required only for the following activities:

i) Required incoming inspection reports on purchased items and final inspection reports on completed items

ii) Training and qualification of inspection personnel

iii) Calibration records of measuring and testing equipment used

iv) Control of special processes

v) QA records control

Independent verification will not be required. Any verification or document review to be performed may be done by the immediate supervisor, the performer, or his associate.

OGR Headquarters is to identify and elaborate on the quality control/quality assurance requirements for the quality

verification and quality inspection program levels. The scope and desired depth of quality coverage will be defined.

Project Offices are to describe in their Quality Assurance Plans the measures and procedures to be established and implemented corresponding to the various quality program levels determined for particular items and activities.

3.4 Determination of Applicable QA Program

The critical factor in the application of graded QA approach to the repository program is the assignment of the appropriate QA Program levels to the items or activities.

The importance of an item or activity to the system, the technological development status and the potential impact to the overall program has to be evaluated. The evaluation considerations in the item or activity will have to be determined, with relative merits assigned to each evaluation factor, and empirical methods established for giving weights or importance of the item or activity to the program. For example, different evaluation methods may be applied to each of the following:

- Hardware items, such as manufactured goods and equipment, shop-fabricated components and field-assembled items.

- Field tests and investigations

- Computer programs and results

- Technical studies and reports

Among hardware items, numerical merit factors can be assigned to each of the following attributes:

- Complexity of design or fabrication

- Design status

- Manufacturing status and availability

- Product experience

- Safety

- Reliability

In the field tests and investigations, considerations may be given to the following factors:

- Conditions under which the activity is performed

- Complexity of the activity

- State of the art considerations

- Personnel safety and other hazards

- Expected replicability of results

Similar evaluation factors can be assigned to other activities like computer programs, technical studies, etc.

The overall assessment of the importance of the item will be made by adding the different merit values, including any assigned weight factor adjustments.

Each Quality Program level will also be assigned a range of overall merit assessment ratings. The quality program level to be assigned to an item will be that level wherein its overall merit assessment rating will fall.

4.0 REQUIRED FURTHER ACTIONS

In order to complete the methodology for graded QA application to the repository program by the OGR the following actions need to be undertaken:

1. Preparation of Q-List and Non Q-List

OGR is to request the Project offices to prepare and submit as soon as possible the Q-list and non Q-list for the engineered structures, systems, equipment and components in their respective areas. The first submission could be a Provisional Listing which could be

revised and updated as more information on the design, field investigations and guidance from OGR headquarters is obtained.

2. Assignment of Quality Classification and Quality Program Levels

The Project Offices will be responsible for the quality classification and the assignment of Quality Program levels for each item in each quality class. The classification lists will be submitted to HQ-OGR.

3. Quality Program Levels B & C Requirements

HQ-OGR is to define and elaborate on the quality requirements or criteria for the Quality Program Levels B and C. Each program Level requirements will be documented separately and issued to the Project Offices for their guidance.

otel	ALBUQUERQUE		ST LOUIS		DENVER		CHICAGO	
	CONFERENCE	GOV RATE	CONFERENCE	GOV RATE	CONFERENCE	GOV RATE	CONFERENCE	GOV RATE
mada	35	36	50	32	80	45	85	48
liday	60	41	100	45	55	49	110	40
ication	65-95	52	COMP.	31	125	52	125	50/90
-Jo	—	—	35	31	—	—	100/200	48/53
yall	—	—	—	—	—	—	200	55

ALBUQUERQUE

Ramada Inn - 505-296-5472

1. How much is meeting room for 3 days for 12 - 16 people?

   $35.00 per day.

2. Overhead projector?

   $39.40 total for 3 days.

3. Photocopies?

   .10 each.

4. Flip chart/Chalk board?

   $8.00 per pad of paper.
   No charge for chalk board.

5. Government rate?

   $36.00.

Holiday Inn - 505-884-2511

1. How much is meeting room for 3 days for 12 - 16 people?

   12 or less people - $60.00.

2. Overhead projector?

   $17.50 per day.

3. Photocopies?

   .05 each - not encouraged.

4. Flip chart/Chalk board?

   No charge.

5. Government rate?

   $41.00.

Sheraton - 505-843-6300

1. How much is meeting room for 3 days for 12 - 16 people?

   $65.00 - $95.00.

2. Overhead projector?

   $22.50 per day.

3. Photocopies?

   .25 each.

4. Flip chart/Chalk board?

   $17.50 for Flip chart
   Chalk board no charge.

5. Government rate?

   $52.00.

ST. LOUIS

Ramada Inn - 314-426-4700

1. How much is meeting room for 3 days for 12 - 16 people?

   $50.00 per day.

2. Overhead projector?

   No Charge.

3. Photocopies?

   .10 per copy.

4. Flip chart/Chalk board?

   $10.00 per pad for flip chart. Chalk board no charge.

5. Government rate?

   $32.00.

Holiday Inn - 314-731-2100

1. How much is meeting room for 3 days for 12 - 16 people?

   $100. per day.

2. Overhead projector?

   20. 00 per day.

3. Photocopies?

   .10 per copy.

4. Flip chart/Chalk board?

   $12.00 per pad of paper for flip chart.

   Chalk board no charge.

5. Government rate?

   Monday, Tuesday and Wednesday no government rate. Thursday and Friday $44.48.

Howard Johnson 314-895-3366

1. How much is meeting room for 3 days for 12 - 16 people?

   $35. per day.

2. Overhead projector?

   No overhead projector.

3. Photocopies?

   No charge.

4. Flip chart/Chalk board?

   None available.

5. Government rate?

   $31.00.

Sheraton - 314-731-3600

1. How much is meeting room for 3 days for 12 - 16 people?

   If 12 or more people meeting room is complementary.

2. Overhead projector?

   $18.50.

3. Photocopies?

   If not a lot free.

4. Flip chart/Chalk board?

   No charge.

5. Government rate?

   $31.00.

Ramada Inn - 303-388-6161

1. How much is meeting room for 3 days for 12 - 16 people?

   $80.00 per day.

2. Overhead projector?

   No charge.

3. Photocopies?

   .10 per copy.

4. Flip chart/Chalk board?

   No Charge.

5. Government rate?

   $42.00 per night if holding meetings there;
   $45.00 is Government rate.

Holiday Inn - 303-321-6666

1. How much is meeting room for 3 days for 12 - 16 people?

   $55.00 per day.

2. Overhead projector?

   17. 50 per day.

3. Photocopies?

   No charge.

4. Flip chart/Chalk board?

   No Charge.

5. Government rate?

   $49.00.

Sheraton - 303-333-7711

1. How much is meeting room for 3 days for 12 - 16 people?

   Approximately $125.00 per day.

2. Overhead projector?

   17. 50 per day.

3. Photocopies?

   .20 per copy.

4. Flip chart/Chalk board?

   No Charge.

5. Government rate?

   $52.00.

CHICAGO

Ramada Inn - 312-827-5131

1. How much is meeting room for 3 days for 12 - 16 people?

   $85.00 per day.

2. Overhead projector?

   $35.00 per day.

3. Photocopies?

   .20 per copy.

4. Flip chart/Chalk board?

   $14.00 per pad for flip chart.

5. Government rate?

   $48.00.

Holiday Inn - 312-671-6350

1. How much is meeting room for 3 days for 12 - 16 people?

   $110. per day if less than 15 people.

   1/2 price if at least 15 people

2. Overhead projector?

   35. 00 per day.

3. Photocopies?

   .25 per copy.

4. Flip chart/Chalk board?

   $15.00 per pad of paper for flip chart.

   Chalk board no charge.

5. Government rate?

   $40.00.

Hyatt - 312-696-1234

1. How much is meeting room for 3 days for 12 - 16 people?

   $200.00 per day.

2. Overhead projector?

   35. 00 per day.

3. Photocopies?

   .25 per copy.

4. Flip chart/Chalk board?

   $12.00 per pad of paper for flip chart.

5. Government rate?

   $55.00

Howard Johnson - 312-693-5800

1. How much is meeting room for 3 days for 12 - 16 people?

   100.00 - $200. per day.

2. Overhead projector?

   25. 00 per day.

3. Photocopies?

   .25 per copy.

4. Flip chart/Chalk board?

   $15.00 per pad of paper for flip chart.

   Chalk board no charge.

5. Government rate?

   $48.00 through August
   September 1 53.00.

Sheraton 312-297-1234

1. How much is meeting room for 3 days for 12 - 16 people?

   $125. per day.

2. Overhead projector?

   30. 00 per day.

3. Photocopies?

   .20 per copy.

4. Flip chart/Chalk board?

   $15.00 per pad of paper for flip chart.

5. Government rate?

   Anywhere from 50.00 to 90.00 depending upon dates.

To Chicago

From	Airline / FH #	Depart	Arrive
Pasco	Western 248 (Boise) / United 944	6:25 AM	1:10 PM
	Western 354/86	1:35 PM	10:05 PM
as Vegas	American 508	7:26 AM	12:46 PM
	United 686	3:35 PM	8:50 PM
olumbus	United 709	9:00 AM	9:08 AM
	American 119	8:45 PM	8:54 PM
ashington DC	United 801 (National)	7:00 AM	7:47 AM
	United 819 (National)	7:15 PM	8:09 PM

From Chicago

To	Airline / Flt #	Depart	Arrive
Pasco	Western 81	8:25 AM	12:45 PM
	Western 85/353 (Salt Lake)	6:15 PM	10:45 PM
as Vegas	United 717	8:35 AM	10:10 AM
	American 637	6:44 PM	8:16 PM
olumbus	American 632	7:00 AM	9:03 AM
	TWA 372	7:10 PM	9:17 PM
ashington DC	United 840 (National)	6:44 AM	10:00 AM
	United 820 (National)	7:30 PM	9:59 PM

To Denver

From	Airline / Flt #	Depart	Arrive
Pasco	Western 248/640	6:25AM	11:30AM
	Western 354/644	1:35 PM	6:35PM
Las Vegas	United 632	7:15AM	9:59 AM
	United 658	6:25PM	9:04PM
Columbus	Delta 455/587	6:20 AM	9:50 AM
	TWA 235/753	5:10 PM	7:34 PM
Chicago	Continental 19	7:00 AM	8:20 AM
	United 433	5:45PM	7:15PM
Washington DC	Continental 381 (Dulles)	6:20 AM	8:15AM
	United 179 (Dulles)	5:30 PM	7:25PM

From Denver

To	Airline / Flt #	Depart	Arrive
Pasco	Western 643/81	9:25AM	12:45PM
	Western 649/353	7:30PM	10:45PM
Las Vegas	United 659	7:30 AM	8:13AM
	United 699	5:44 PM	6:28 PM
Columbus	TWA 374/152	6:10AM	1:18PM
	United 296/746	4:00 PM	10:03PM
Chicago	United 518	7:35AM	10:40 AM
	United 276	5:35PM	8:47 PM
Washington DC	NorthWest 336 (Nat)	8:20 AM	2:47 PM
	United 18 (Dulles)	4:19 PM	9:34 PM

To St. Louis

From	Airline / Flt #	Depart	Arrive
Pasco	Western 248/430	6:25 AM	2:05 PM
	Western 354/438	1:35 PM	10:06 PM
Las Vegas	Western 430	7:15 AM	2:05 PM
	TWA 70	2:02 PM	7:04 PM
Columbus	TWA 71	7:30 AM	7:45 AM
	TWA 873	8:50 PM	9:09 PM
Chicago	United 987	6:15 AM	7:17 AM
	TWA 89	7:44 PM	8:49 PM
Washington DC	TWA 457	7:00 AM (National)	8:06 AM
	TWA 873	7:15 PM (National)	9:09 PM

From St. Louis

To	Airline / Flt #	Depart	Arrive
Pasco	Western 431/81	8:40 AM	12:45 PM
	Western 435/353	6:00 PM	10:45 PM
Las Vegas	Braniff 551	7:45A	10:43 AM
	American 637	6:44 PM	8:16 PM
Columbus	American 632	7:00 AM	9:03 AM
	TWA 372	7:10 PM	9:17 PM
Chicago	TWA 106	7:00 A	8:00 AM
	TWA 398	7:40 PM	8:44 PM
Washington DC	TWA 24 (National)	7:10 AM	10:00 AM
	TWA 240 (National)	7:40 PM	10:28 PM

To Albuquerque

From	Airline / Flt #	Depart	Arrive
Pasco	Western 248/412	6:25 AM	11:50 AM
	Western 354/414	1:35 PM	7:40 PM
Las Vegas	Southwest 801	6:50 AM	9:10 AM
	Southwest 995	6:30 PM	9:40 PM
Columbus	American 459/345	7:25 AM	10:25 AM
	TWA 235/105	5:10 PM	7:45 PM
Chicago	TWA 199/153	7:00 AM	10:31 AM
	United 529	6:40 PM	8:30 PM
Washington DC	American 671 (National)	7:46 AM	11:47 ~~PM~~ AM
	United 817/529 (Nat)	5:15 PM	8:30 PM

From Albuquerque

To	Airline / Flt #	Depart	Arrive
Pasco	Western 417/81	9:05 AM	12:45 PM
	None others shown		
Las Vegas	America West 216/177	6:30 AM	8:05 AM
	America West 154/167	7:30 PM	9:10 PM
Columbus	TWA 380/152	5:55 AM	1:18 PM
	TWA 240/526	3:25 PM	10:06 PM
Chicago	United 760	7:00 AM	10:35 AM
	Continental 238/18	4:55 PM	9:59 PM
Washington DC	Delta 1056	7:00 AM Baltimore	3:10 PM
	TWA 240 (National)	3:25 PM	10:23 PM