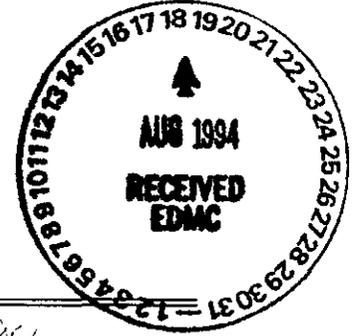


Meeting Minutes Transmittal/Approval  
 Hanford Project Managers' Meeting  
 Richland, Washington  
 July 6, 1994



From/ Appvl.: *Patrick W. Willison* Date: 8-9-94  
 Patrick W. Willison, RL  
 Hanford Project Manager

Appvl.: *Douglas R. Sherwood* Date: 8/2/94  
 Douglas R. Sherwood, EPA  
 Hanford Project Manager

Appvl.: *Roger F. Stanley* Date: 8/9/94  
 Roger F. Stanley, Ecology  
 Director, Tri-Party Agreement Implementation

Prepared by Appvl.: *Frank T. Calapristi* Date: 8/9/94  
 Frank T. Calapristi  
 Westinghouse Hanford Company

DISTRIBUTION

L. D. Arnold	WHC	B2-35	O. S. Kramer	WHC	B2-35
F. T. Calapristi	WHC	B2-35	D. Lundstrom	Ecology	Kennewick
A. S. Carlson	WHC	B3-35	R. D. Morrison	WHC	B2-35
J. M. Clark	DOE	R3-72	K. R. Nuttall	WHC	G6-64
C. DeFigh-Price	WHC	R2-31	D. Nylander	Ecology	N1-05
T. Demmitt	BHI	US Mail	B. Scheck	Dames & Moore	G1-01
G. Eidam	BHI	US Mail	D. R. Sherwood	EPA	B5-01
D. R. Einan	EPA	B5-01	R. F. Stanley	Ecology	Olympia
D. A. Faulk	EPA	B5-01	C. R. Stroup	WHC	H4-23
R. E. Gerton	DOE	R3-72	J. L. Waite	WHC	B2-35
E. D. Goller	DOE	A5-19	P. W. Willison	DOE	A4-52
R. Harper	Ecology	Kennewick	S. H. Wisness	DOE	A5-15
B. Henckel	BHI	H6-02	EDMC	WHC	H6-08

## Hanford Project Managers' Meeting

July 6, 1994

Project Managers (PMs): Doug Sherwood, Roger Stanley, Patrick Willison  
 WHC Tri-Party Agreement Integration: Larry D. Arnold  
 Recorder: Frank T. Calapristi

## 1. Review of Past Action Items (+ Ron Morrison)

Past Action Items were reviewed and updated by the Project Managers. (See revised Attachment 1 including Attachments 1A and 1B)

## 2. Public Involvement (+ A. Carlson)

Annette Carlson (WHC) led the discussion and provided a draft Public Involvement Schedule (Attachment 2A) for the ER Refocus negotiations. A draft list of articles (Attachment 2B) was also discussed including a possible new format for a bi-monthly issue. The bi-monthly issue proposal was acceptable to the group. Roger Stanley suggested TWRS and the Critical Path Implementation be added to the list for the next update; which will be published by early September.

The August schedule for the Quarterly Public meetings was reviewed; however, this conflicts with the planned ER negotiation meetings. The subject was deferred until the Public Involvement working group is consulted.

A proposal for establishing a Public Information Repository (PIR) at Hood River, Oregon was discussed. There were numerous comments/questions on the projected usage and expected costs, which resulted in the following action item.

Action: Determine current usage of current PIR's and set up interim PIR at Hood River to establish usage and costs.

Resp: A. Carlson                      Due: September 30, 1994

It was reported the Hanford Advisory Board (HAB) requested the development of an ER Refocus primer. The first draft of the primer was not favorably accepted and will need to be revised. However, the normal Focus Sheets will be prepared for the public meetings, should the primer be delayed. Other forms of ER primers were discussed; however, there was no final decision at this time.

## 3. Change Requests (+ R. Morrison)

The following Change Request was approved by the Project Managers:

- M-15-94-08 Establish 100-BC-2 Interim Milestones. (Attachment 3)

Change Request C-93-08 (Incorporate HGP into the 100-NR-1) was discussed but action was deferred to the August 2nd Project Managers Meeting.

4. **ROD and Permit Modification Strategy/100 Area Cleanup Decision (+ E. Goller)**

Eric Goller (DOE-RL) opened the discussion and provided background information on the subject. Eric stated that due to "Force Majeur," they must extend the milestone completion date for the 100-DR-1 Soil Washing treatability test. However, EPA felt this would constitute a delay in the 100 Area remediation. Eric then discussed the use of a "flexible" ROD process in which remediation actions would be based upon what is expected and then confirmed by observation during test. DOE also made a proposal for a working group to develop a "flexible" ROD.

Other subjects discussed included the coordination of the ROD with ERDF waste acceptance criteria and the need to build any ERDF constraints into the ROD. Eric Goller also stated three months would be needed to explore a "flexible" ROD. Patrick Willison (DOE-RL) added that RCRA permitting aspects must also be considered by the working group.

Discussion then focused on the level of clean up which would ultimately be required in the 100 areas. Roger Stanley stated the likelihood of having to clean to "unrestricted use" is very high.

Action: DOE to transmit a letter to the regulators expressing the need to establish a working group and noting Project Manager support for this effort. The working group will convene within 2 weeks and attempt to resolve the issues during July and August.

Resp.: E. Goller Due: August 2, 1994

Doug Sherwood (EPA) stated this topic must be on next months Project Managers agenda to assure we understand the soil washing alternatives and the ongoing work. Doug also requested that a list of alternatives be provided to the Project Managers prior to next month's meeting.

5. **Update of Cost Efficiency Initiatives**

This topic was deferred because of time limitations.

6. **Implementation of the TPA Training Course (+ K. Nuttal)**

Kent Nuttal (WHC) made the presentation (Attachments 4A and 4B) and provided a list of suggested attendees. Doug Sherwood said some additional organizations within DOE should be added to the attendance list and the PNL representation should also be expanded.

The peer training course review planned for August 2, 1994 was discussed and it was generally agreed this date is not possible because of current priorities. It would probably be necessary to move the date to October.

7. Tank Characterization Sample Schedule (+ C. Defigh-Price)

Cherri Defigh-Price discussed the tank sampling program and during the discussion stated there were no impacts to TPA commitments. This was followed by a review of technical achievements and recent difficulties. Doug Sherwood asked if losing the layering characteristics of the samples by the use of augers, was a concern. Cherri responded that in these tanks it is not an issue, since there is so little waste (ie.  $\leq 10$ " ) to be sampled. This process will be used in any tank with less than 25" of waste.

~~Roger Stanley~~ asked how much waste is not being sampled at the bottom of the tanks. Cherri said that due to the configuration of some tanks, 8 to 10 meters of bottom waste cannot be obtained. Several possible methods are being investigated to deal with this situation.

## AGENDA (REVISED 7/01/94)\*

## TRI-PARTY AGREEMENT PROJECT MANAGERS MEETING

WEDNESDAY, JULY 6, 1994

EPA CONFERENCE ROOM  
MEDICAL DENTAL CENTER

- 1:00 pm REVIEW OF PAST ACTION ITEMS-- ATTACHMENT 1 (F. CALAPRISTI)
- 1:15 pm PUBLIC INVOLVEMENT  
(J.YERXA, J.BRECKEL, L.DAVIES, D.A.FAULK, A.CARLSON)
- o TPA Negotiations Public Involvement Strategy
  - o Hanford Update / Monthly Calendar
  - o Hood River Public Information Repository
  - o Hanford Advisory Board Primer
- 2:00 pm IMPLEMENTATION OF TPA TRAINING COURSE  
(P. WILLISON, D. SHERWOOD, R. STANLEY, F. CALAPRISTI)
- 2:30 pm BREAK
- 2:45 pm UPDATE OF COST EFFICIENCY INITIATIVES  
(P. WILLISON, D. SHERWOOD, R. STANLEY, S. TURNER, L. ARNOLD)
- 3:30 pm CHANGE REQUESTS (P.WILLISON, D.SHERWOOD, R.STANLEY, R.MORRISON)
- o Approval:
    - o M-15-94-08: Establish 100-BC-2 Interim Milestones
    - \* o C-93-08: Incorporate HGP into the 100-NR-1
- 4:00 pm ROD AND PERMIT MODIFICATION STRATEGY/100 AREA CLEANUP DECISION  
(P.WILLISON, D. SHERWOOD, R. STANLEY, MIKE THOMPSON, M. WOLLIN)
- \*4:30 pm TANK CHARACTERIZATION SAMPLE SCHEDULE  
(D. SHERWOOD, P. WILLISON, R. STANLEY, C. DEFIGH-PRICE,  
J. M. CLARK, F. CALAPRISTI)
- 5:00 pm ADJOURN

## AGENDA (REVISED 7/01/94)\*

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J. M. CLARK, F. CALAPRISTI)
- 5:00 pm ADJOURN

ATTENDEES

## TPA PROJECT MANAGERS MEETING

JULY 6, 1994

EPA CONFERENCE ROOM  
MEDICAL DENTAL CENTER

<u>NAME</u>	<u>ORGANIZATION</u>	<u>MAILSTOP</u>
<u>Roger Stanley</u>	<u>Ecology</u>	
<u>Robert Harper</u>	<u>Ecology</u>	<u>Kennewick</u>
<u>Dave Lundstrom</u>	<u>Ecology</u>	<u>Kennewick</u>
<u>Dave Finan</u>	<u>EPA</u>	<u>B5-01</u>
<u>Dennis Faulk</u>	<u>EPA</u>	<u>B5-01</u>
<u>unintelligible</u>	<u>DOE/WHC</u>	<u>A5-13</u>
<u>Kent Nuttall</u>	<u>WHC \ QTRC</u>	<u>66 64</u>
<u>Patrick Willis</u>	<u>DOE-RL</u>	<u>A4-52</u>
<u>JACK WATTE</u>	<u>WHC / TPAI</u>	<u>B2-35</u>
<u>OWEN KRAMER</u>	<u>WHC / TPAI</u>	<u>B2-35</u>
<u>Randy Coonick</u>	<u>WHC / TPAI</u>	<u>B2-35</u>
<u>Eric Goller</u>	<u>DOE-RL</u>	<u>A5-19</u>



(ATTACHMENT 1)

**Open Action Items  
Project Managers Meetings**

1. Provide a list of facilities that will be impacted by potential integration of transition D & D facilities into the Tri-Party Agreement (January 21, 1993).

Resp.: Bob Holt Due: TBD

Status: A partial list of major facilities in or planned to be in transition (next 10 years) was presented at the September Project Managers Meeting. The list did not contain all major facilities such as: UO3, Purex and PFP. The list is currently being reviewed by DOE management and will be included in ongoing ER negotiations.

2. Provide a draft correspondence distribution list by organization and title (August 19, 1993).

Resp.: Roger Stanley Due: TBD

Status: List will be developed and issued after the Ecology reorganization is complete. The expected protocol will state all correspondence for day-to-day activities should be directed to the appropriate unit manager or to one of the three Section Heads in the Kennewick office. Correspondence having significant impact or containing issues affecting Tri-Party Agreement milestones should also be sent to Roger Stanley. A preliminary organization chart for the Kennewick office was provided; and after finalization of the chart a distribution list will be developed.

3. Project Managers are to review proposed TPA Appendix F definition with their respective legal counsel and provide feedback to F. Calapristi (WHC) by the next Project Managers meeting. (April 14, 1994)

Status: The Project Managers discussed the proposed definition but require additional input from their respective legal staff.

Resp: P. Willison Due: June 30, 1994  
R. Stanley  
D. Sherwood

Status: Action deferred

4. After the Ecology reorganization is communicated to DOE, issue guidance to Hanford management for the distribution of correspondence to Ecology and EPA (February 24, 1994).

Resp: Larry Arnold Due: TBD

Status: The Ecology reorganization is still in process as noted in item 2 above.

5. Issue guidance letter to Hanford contractors stating what budget information is appropriate to share with Ecology and EPA (February 24, 1994).

Resp: J. M. Peterson Due: March 25, 1994

Status: A DOE guidance letter from Anthony Lorenz, was distributed to the DOE offices on June 2 and a copy sent to Ecology and EPA on June 7. This action item is complete.

6. In discussing the TPA Five Review requirement, EPA suggested the three parties develop a better way for measuring milestone completions. DOE was requested to evaluate approximately 140 past change packages and categorize the changes by the following groups and other categories as appropriate (May 26, 1994).

- o Title and scope are unchanged but date was extended
- o Major changes in program direction
- o Force Majeure

Resp: L. D. Arnold Due: June 30, 1994

Status: The evaluation of the 140 past change requests was provided to the Project Managers and received favorably. No action was taken at this time regarding the method of measuring milestone completions. This action item is complete.

7. The Five Year Review of the TPA is due and was discussed by the Project Managers. A response is required from the Project Managers to close out this action item. (May 26, 1994)

Resp: P. Willison Due: June 30, 1994  
R. Stanley  
D. Sherwood

Status: Action deferred





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(ATTACHMENT 1B)

[22] From: James M Peterson at -DOE8 6/7/94 7:29AM (768 bytes: 8 ln)  
To: Dan Josue at Ecology Lacey, James M Peterson, Robert R Tibbatts at -DOE7,  
Doug R Sherwood at -TPA1  
cc: Patrick W Willison at -DOE0, Francis T Calapristi at -WHC271  
Subject: RESTRICTED BUDGET INFORMATION

----- Message Contents -----

DAN, DOUG:

NADINE HIGHLAND SIGNED OUT, ON JUNE 2, 1994, A MEMO TO RL  
FOLKS EXPLAINING HOW THEY ARE TO HANDLE 'RESTRICTED BUDGET  
INFORMATION' RELATIVE TO SHARING SAME WITH WDOE & EPA. I AM  
PUTTING A COPY OF SAID MEMO IN THE MAIL TO BOTH OF YOU THIS  
MORNING.

JIM PETERSON

United States Government

Department of Energy

---

**memorandum**

Richland Operations Office

DATE: JUN - 2 1994  
REPLY TO  
ATTN OF: BUD:JMPSUBJECT: IMPLEMENTATION OF THE HANFORD FEDERAL FACILITY AGREEMENT AND CONSENT ORDER  
(TRI-PARTY AGREEMENT) PARAGRAPHS 148 & 149 - RELEASE OF BUDGET INFORMATION

to: Addressees: (see Distribution List)

The revisions to these two paragraphs in the Tri-Party Agreement (TPA) Enclosure 1, require RL and its contractors to release to EPA and Ecology planning year (e.g. currently FY 1996) guidance and documents (Activity Data Sheets, planning numbers and backup in particular) that contain "Embargoed Budget Information." In turn, paragraph 149 B requires that EPA and Ecology agree not to release such confidential budget information to the public. These requirements for release of budget information extend only to those areas that are included in the TPA and all EM related areas. For example, embargoed budget information relating to Energy Research activities, Work for Others, etc., are not to be shared.

The release of this information is a significant departure from the restrictions of OMB Circular A-11. OMB Circular A-11, as it relates to the matter at hand, essentially forbids the release of budget data in advance of release of the President's Budget. As such, great care must be taken in providing this data to Ecology and EPA. We have attached a copy of these two paragraphs from the TPA for your use.

In addition we have attached a copy of the draft RL/WHC Memorandum of Agreement, Enclosure 2. Relative to provision of the regulators with budget and planning information, this Memorandum of Agreement stipulates that RL is to be the sole provider to Ecology and EPA of budget and planning information. (See Page 2, Item K.)

During discussions with EPA and Ecology personnel they requested that RL "flag" information that is not to be released outside of their agencies, in order that they will be alerted to the need to keep the data confidential.

In response to this request we are asking that when providing this required information to EPA and Ecology personnel the documents or portions of document that contain funding data that has yet to be released in the President's budget be prominently marked with the words:

RESTRICTED BUDGET INFORMATION

Addressees

-2-

JUN -2 1994

The information which these revised TPA paragraphs require be released to EPA and Ecology include:

- o DOE-HQ ADS development guidance (including funding tables)
- o ADSs prior to their formal submission to DOE-HQ (the present set of ADSs being developed were submitted to DOE-HQ on April 27, 1994.)
- o Backup data to these ADSs. (This includes documents such as Task Description Documents (TDDs) and Budget Description Documents (BDDs))

We are not required to share information concerning:

- o Budget drills
- o Revisions to ADSs that reflect DOE-HQ's submission to OMB. (DOE-HQ will send EPA and Ecology copies of the final ADSs that reflect the President's actual budget submission.)

~~There is no restriction on the release of information (to the regulators and/or public) included in either the President's budget or the current appropriation.~~

~~Ecology is developing processes and procedures for their staff as to how they will assure compliance with paragraph 149 B. When their effort in this area is complete we will share this information with you.~~

If you have any questions, please contact Jim Peterson of my staff on 376-6731.

*Patricia Alford / for*  
Anthony E. Lorenz, Director  
Budget Division

#### Enclosures

cc w/encls:  
C. Edwards, WHC  
H. Massey, PNL  
D. Josue, WDOE  
D. Sherwood, EPA

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**ENCLOSURE 1**

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# Hanford Federal Facility Agreement and Consent Order

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Fourth Amendment, January 1994

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by

Washington State  
Department of Ecology

United States  
Environmental Protection Agency

United States  
Department of Energy

147. DOE and Ecology agree that Subparagraph B (entirely), Subparagraph C ("delay in transportation"), Subparagraph D ("order of public authority"), Subparagraph E ("at reasonable cost"), and Subparagraph G (entirely), of Paragraph 145 do not create any presumptions that such events arise from causes beyond the control of a Party. Ecology specifically reserves the right to withhold its concurrence to any extensions which are based on such events pursuant to the terms of Article XL (Extensions), or to contend that such events do not constitute Force Majeure in any action to enforce this Agreement.

ARTICLE XLVIII. COST, SCHEDULE, AND SCOPE PLANNING AND REPORTING

148. DOE shall take all necessary steps to obtain timely funding in order to fully meet its obligations under this Agreement. This shall be accomplished in the following manner:

A. In its annual budget request, DOE shall include estimated funding levels required to achieve full compliance with this Agreement.

B. In the process of formulating its annual budget request, DOE may be subject to target funding guidance directed by the Office of Management and Budget (OMB). When DOE's target budget case differs from its full compliance funding case, the Parties agree to attempt to reach agreement regarding workscope, priorities, schedules/milestones, and Activity Data Sheet (ADS) funding levels required to accomplish the purpose of the Agreement, provided satisfactory progress has been made in controlling costs in accordance with the cost efficiency initiatives. These discussions shall be conducted before DOE-RL submits its annual budget request and supporting ADSs to DOE Headquarters (DOE-HQ) under signature of the DOE-RL manager.

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C. DOE-RL will submit its budget request with detailed ADSs, identifying both target and compliance funding levels, to DOE-HQ and identify any unresolved issues raised by Ecology and EPA. If these issues are not subsequently resolved prior to DOE's submission of its budget request to OMB, DOE-HQ will also identify these issues and the funding required for compliance to OMB.

D. In determining the workscope, priorities, and schedules, the Parties shall consider the values expressed by the Hanford stakeholders.

E. The Parties recognize that successful implementation of this Agreement is dependent upon the prudent use of resources, and that resource requirements and constraints should be considered during the work planning, budget formulation, and budget execution process. To ensure the development of responsible budget requests, consistent with the requirements of this Agreement and applicable federal/state statutes, the Parties will work cooperatively and in good faith.

149. The purpose of this paragraph is to establish a mechanism that will help assure adequate progress toward meeting the requirements of this Agreement. It provides for communication and consultation on work scope, priorities, schedules/milestones, and cost/funding matters. It further provides a means for performance measurement and for early identification of problems which could jeopardize compliance with the schedules and milestones of the Agreement.

A. Within two weeks after DOE Headquarters (DOE-HQ) issuance of Environmental Management planning and/or budget guidance, including target level funding guidance, to the Richland Operations Office (DOE-RL), DOE-RL shall provide a copy of it to Ecology and EPA along with a preliminary

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the actual workscope and funding levels included in the President's budget request to Congress. DOE-RL shall also provide Ecology and EPA its assessment of the impacts such differences may have on DOE's ability to meet milestones or satisfy other requirements of this Agreement.

E. DOE shall notify and discuss with Ecology and EPA, prior to transmittal to OMB, any budget amendment, supplemental appropriation request or reprogramming request and any corresponding impacts upon the workscope and schedules, and DOE's ability to meet milestones or other requirements of this Agreement with and without the amendment, supplemental appropriation or reprogramming request.

F. Within 30 days after congressional budget appropriation, DOE-RL shall brief Ecology and EPA on the budget appropriation and subsequent funding allocations for the new fiscal year at ADS level detail. If there is a delay in congressional appropriation after the start of the fiscal year, DOE-RL shall inform Ecology and EPA of any congressional continuing resolution action, and the potential impacts, if any, on progress to achieve milestones and other requirements of the Agreement. Ecology and EPA will be given timely opportunity to review and comment on these budget appropriation and funding allocation actions, and to make recommendations for reallocation of available funds.

G. If the Congressional budget appropriation differs from the funding levels required to comply with any milestones or other requirements of the Agreement, DOE-RL shall take whatever action is appropriate under the Agreement. Such action may include submitting a change request in accordance with the Action Plan, Section 12.0 entitled Changes to Action Plan/Supporting Schedules. The Parties shall attempt to reach agreement on adjustments in workscope or milestones consistent with the Congressional appropriation which

will minimize impacts on the requirements of this Agreement. If agreement cannot be reached, Ecology and EPA reserve the right to take appropriate action as provided for in this Agreement.

H. Ecology, DOE, and EPA project managers shall meet periodically throughout the budget execution year to discuss the status of projects to be funded for the current fiscal year, and events that have affected, or may affect milestones or activity within such milestones.

I. In order to ensure continuing, effective and timely interface between DOE, Ecology and EPA regarding work scope planning/scheduling, budget/funding, current year performance status, milestone tracking, and notification of problem areas, DOE shall, unless otherwise agreed to, provide the following, or their equivalent, to EPA and Ecology:

1. Annual Multi-Year Program Plans, including ADS level funding projections, as soon as possible after their development;
2. Annual Fiscal Year Work Plans, including ADS level funding profiles, as soon as possible after start of each fiscal year;
3. The monthly Approved Funding Plan (AFP), at ADS level detail, within two weeks following the start of each month;
4. Monthly Site Management System reports shall be provided to EPA and Ecology to identify: any anticipated delays in meeting time schedules, the reason(s) for such delay and actions taken to prevent or mitigate the delay, and any potential problems that may result in a departure from the requirements and time schedules. In accomplishing this, the SMS reports shall, as a minimum, include for each program: monthly and cumulative budget, actual monthly and cumulative costs, performance measurement information including explanations of cost/schedule variances, progress in achievement of milestones, and notification of problems and program/project

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delays. The appropriate contractor program managers shall sign the monthly Site Management System report. The signature block shall contain the statement: "The information contained within this report is complete and accurate to the best of my knowledge." At the monthly milestone review meetings, the appropriate DOE program manager will provide DOE's assessment of milestone progress and the extent to which DOE agrees or disagrees with the preceeding month's SMS report. The assessment will be documented in meeting minutes signed by the three parties. With regard to these assessments, signature of the minutes by Ecology and EPA shall indicate only that the assessment information was provided by DOE. The monthly Site Management System report shall also be placed in the Public Information Repositories as identified in Section 10.2 of the Action Plan.

5. Upon request, EPA and Ecology shall be provided access to available information below the ADS level of detail.

J. During the budget execution year, DOE-RL shall notify Ecology and EPA of any proposed action to internally reallocate funding at ADS levels, if such an action significantly affects workscope and schedules.

K. Within 30 days following the completion of DOE's annual midyear management review (approximately April-May of each year), DOE-RL shall brief Ecology and EPA on any decisions that significantly affect milestones under this Agreement.

L. As soon as possible following the end of each federal fiscal year, DOE-RL shall provide to EPA and Ecology the fiscal year-end SMS report, and a summary briefing on the amount of funds that have been obligated and spent during the fiscal year ended and the work that has been performed. This summary shall include, at ADS level detail, actual versus planned expenditures for the fiscal year end; a summary of carryover amounts including those

available for expenditures in the following budget execution year; and summaries/information explaining the extent of work planned versus work completed or performed during the year.

M. The three parties agree to inform and involve the public and stakeholders at key stages of budget formulation and execution consistent with the Interim Report of the Federal Facilities Environmental Restoration Dialogue Committee. The process for informing and involving the public and stakeholders will be developed and included in the TPA Community Relations Plan.

N. The participation by Ecology and EPA in DOE's planning and budget formulation and execution process shall not affect DOE's authority over its budgets and funding level submission.

150. In accordance with Section 120(e)(5)(B) of CERCLA, 42 U.S.C. Sec. 9620(e)(5)(B), DOE shall include in its annual report to Congress the specific cost estimates and budgetary proposals associated with the implementation of this Agreement.

151. If appropriated funds are not available to fulfill DOE's obligations under this Agreement, EPA and Ecology reserve the right to initiate any other action which would be appropriate absent this Agreement.

152. EPA and DOE agree that any requirement for the payment or obligation of funds, including stipulated penalties under Article XX (Stipulated Penalties) of this Agreement, by DOE established by the terms of this Agreement shall be subject to the availability of appropriated funds, and no provision herein shall be interpreted to require obligation or payment of funds in violation of the Anti-Deficiency Act, 31 U.S.C. Sec. 1341. In cases

where payment or obligation of funds would constitute a violation of the Anti-Deficiency Act, the dates established requiring the payment or obligation of such funds shall be appropriately adjusted.

153. If appropriated funds are not available to fulfill DOE's obligations under this Agreement, the Parties shall attempt to agree upon appropriate adjustments to the workscope or milestones which require the payment or obligation of such funds. If no agreement can be reached then Ecology and DOE agree that in any action by Ecology to enforce any provision of this Agreement, DOE may raise as a defense that its failure or delay was caused by the unavailability of appropriated funds. Ecology disagrees that lack of appropriations or funding is a valid defense. However, DOE and Ecology agree and stipulate that it is premature at this time to raise and adjudicate the existence of such a defense. Acceptance of this Paragraph 153 does not constitute a waiver by DOE that its obligations under this Agreement are subject to the provisions of the Anti-Deficiency Act, 31 U.S.C. Sec. 1341.

**ARTICLE XLIX. COMPLIANCE WITH APPLICABLE LAWS**

154. All actions required to be taken pursuant to this agreement shall be taken in accordance with the requirements of all applicable federal and state laws and regulations. All Parties acknowledge that such compliance may impact schedules to be performed under this Agreement. Extensions of schedules shall be provided in accordance with Article XL (Extensions).

155. In any judicial challenge arising under this Agreement the court shall apply the law in effect at the time of the challenge, including any amendments to RCRA or CERCLA enacted after entry of this agreement. Where the law governing this agreement has been amended or clarified, any provision

9513538.1351

**ENCLOSURE 2**

## MEMORANDUM OF AGREEMENT

This Agreement is executed on the \_\_\_\_\_ day of \_\_\_\_\_, 1994, by the United States Government, acting through the U.S. Department of Energy, Richland Operations Office (RL), and the Westinghouse Hanford Company (WHC), a Delaware corporation, to further the implementation of Contract No. DE-AC06-87RL10930, hereinafter described as the "10930 Contract", regarding responsibilities of the parties for certain environmental matters at Hanford Site facilities under the cognizance of WHC. This agreement supersedes the parties' previous Agreement on this subject dated November 16, 1987.

It is the goal of both RL as the owner and operator and WHC as the Operations and Engineering Contractor to manage the Hanford Site in an environmentally sound manner and in full compliance with applicable environmental requirements. Accordingly, both parties agree to the following:

## A. Environmental Compliance Management

Subject to the 10930 Contract WHC will manage activities in compliance with applicable local, state, and federal environmental regulations. WHC shall perform regular self-assessments to evaluate compliance with those regulations and shall take prompt actions to correct noncompliant situations. If WHC should identify a noncompliant situation which cannot be corrected within WHC's existing funding, authorized work scope, or program direction, WHC will notify RL of the situation and proposed corrective action(s). RL and WHC will jointly determine if regulatory agency notification is necessary.

Where a formal compliance agreement (or modification to an existing agreement) is determined to be necessary, WHC will draft the proposed terms and conditions of that agreement for RL review and concurrence. Subject to approval of RL, WHC will schedule meetings with the appropriate regulatory agencies to support RL personnel in negotiation of the terms of the compliance agreement. RL will provide the appropriate personnel to conduct the negotiations. WHC will status RL on a regular basis regarding the status of environmental corrective actions.

## B. Interaction with Regulatory Agencies

~~WHC may communicate directly with regulatory agencies on routine matters associated with fulfillment of the 10930 Contract environmental responsibilities unless RL requests that WHC not undertake a specific interaction. Communications may include written correspondence, telephone calls, and meetings. Routine matters include:~~

- 1 Comments on proposed and final regulations;
- 2 Requests for regulatory interpretation or clarification resulting from correspondence, inspections, etc.;
- 3 Response to regulatory agency requests for information;
- 4 Submittal of routine documents and notifications in response to regulator requests;
- 5 Verbal occurrence notifications;
- 6 Inspection coordination and follow-up;

- 7 Public notices for interim status expansion; and
- 8 Compliance activity status.

WHC will advise RL of all written communications it intends to make and, if requested by RL, shall coordinate such communications with RL. RL reserves the right to determine that a particular routine communication should be made by RL rather than WHC. WHC shall immediately provide RL with copies of all written communications with regulatory agencies on routine matters as soon as practical.

WHC may communicate directly with the regulatory agencies on nonroutine matters after obtaining RL concurrence. (As used herein, concurrence means that both parties are aware of and understand the position but it does not require agreement on the position.) The RL concurrence must be appropriately documented. Nonroutine matters are those which involve establishment of Hanford Site environmental policy, involve sensitive environmental compliance matters (especially those involving notification and resolution of environmentally noncompliant situations), or require RL signature or certification as Hanford Site owner and operator. Nonroutine matters include:

- A Notification to regulatory agencies of a noncompliant situation;
- B Response to regulatory agency enforcement actions;
- C Permit application submittals;
- D Compliance agreement negotiations;
- E Requests for variance from regulatory requirements;
- F Response to FOIA requests;
- G Development of regulatory compliance strategies;
- H Submittal of compliance plans required by permits and agreements;
- I Tri-Party Agreement unit managers meetings;
- J Appeal of permit conditions; and
- K Submittal of budget and planning information pursuant to the Federal Facilities Compliance Agreement (Tri-Party Agreement).

To promote consistent communication with regulatory agencies, WHC communication with regulatory agencies (does not include DOE or State or federal legal offices) will be coordinated through the WHC Regulatory Support Department. All written communication, meetings, and regulatory inspections will be coordinated by Regulatory Support. Telephone calls from regulatory agencies will be documented, and this information will be promptly provided to Regulatory Support. Likewise, within RL, the Office of Environmental Assurance, Permits, and Policy (EAP) will coordinate all RL communication with regulatory agencies.

Whenever reasonable, RL agrees to seek WHC concurrence for environmental regulatory agency communications for which RL assumes the lead role when those activities affect facilities or operations managed by WHC under the 10930 Contract (concurrence means the same as defined above). RL further agrees to inform WHC of regulatory agency communications involving non-WHC Hanford Site activities when those communications may impact Hanford Site environmental policy.

RL may delegate authority to WHC to interact with regulatory agencies on RL's behalf for environmental matters in addition to those described herein.

### C. Permits

WHC will advise RL as to which environmental permits are required for 10930 Contract work and will prepare permit applications for RL signature. WHC will sign Resource Conservation and Recovery Act (RCRA) permit applications in accordance with the requirements of Secretary of Energy Notice 22-90 (SEN 22-90). WHC reserves the right to refuse to sign as co-operator any RCRA permit application, report, or other documentation that is inconsistent with the 10930 Contract or this agreement. WHC further reserves the right to independently appeal any conditions established in a permit in which WHC is designated a permittee. WHC will sign other environmental permits or regulatory documents when required under applicable law.

### D. Certifications or Signatures

Except for the RD & D permit and other environmental documents specifically directed by RL, which Pacific Northwest Laboratory will coordinate, WHC will coordinate preparation of all other site-wide environmental documents such as permit applications, compliance agreements, and emissions reports. Certifications or signatures for environmental documents prepared by WHC for 10930 Contract activities will be managed as shown in the examples listed in the table. The table shows where specific certification documentation or signatures will be provided. RCRA documents will be executed in accordance with SEN 22-90. For other environmental documents, WHC will provide appropriate statements from preparers and responsible managers regarding the accuracy of the material in the records files, but RL will not forward these statements with the documents to the regulators. The appropriate statements for other documents shall include certification language similar to that which must be included in the certification made by RL to the regulatory Agency (s).

(TABLE GOES IN HERE, BUT CANNOT SEND VIA CC:MAIL - IF YOU NEED TO SEE, LET ME KNOW)

RL agrees that WHC will not incur any liability beyond that which is defined and set forth in the 10930 Contract, by reason of WHC's execution as "co-operator" of environmental permit applications or other documents or by reason of any past practice on the Hanford Facility. The liability of WHC for environmental compliance matters shall be determined in accordance with the provisions of the 10930 Contract and other applicable law (eg the Major Frauds Act) and shall not be affected by this agreement. In no event shall any costs incurred by WHC, which would be allowable under the terms of the 10930 Contract, be determined unallowable by RL as a result of RL's failure to authorize WHC actions to achieve and/or maintain environmental compliance or to provide necessary funding or approval therefor.

RL agrees that, if bonds or insurance are required as a condition for any permit-related activity, this Agreement shall serve as direction to WHC to acquire such bonds or insurance. The costs of such bonds or insurance are allowable costs pursuant to Clause I-81 of the 10930 Contract. In the event that such insurance or bonding is not available or if RL determines such insurance or bonding is unreasonable or not authorized by law or regulation, RL will provide the regulatory agencies with an acceptable form of financial responsibility. In no event will WHC or Westinghouse Electric Corporation (WEC) be required to use corporate resources or a corporate guarantee to

**DRAFT**

satisfy any such regulatory requirement.

Nothing contained herein shall be construed to imply that WHC or WEC is obligated in any way to provide funds to meet environmental requirements at the Hanford Site.

F. Contract Termination or Expiration

RL agrees that in the event of termination or expiration of the 10930 Contract, RL will require the successor contractor to accept transfer of all permits, closure plans, post-closure plans, and compliance agreements for which WHC is a permittee or signator. In the alternative, RL will accept such responsibility, and WHC shall be relieved of all liability and responsibility from and resulting from activities occurring after the date of such termination or expiration.

John D. Wagoner, Manager  
U. S. Department of Energy  
Richland Operations Office

Thomas M. Anderson, President  
Westinghouse Hanford Company

Date

Date

9513338.1356

JUN - 2 1994

bcc:  
BUD OFF FILE  
BUD RDG FILE  
TPA RDG FILE  
J. Peterson, BUD  
G. McClure, LMD  
R. Puthoff, AMW

RECORD NOTE: responds to Action item  
from Feb. 24, 1994 TPA project  
manager's meeting.

(EMBARGO.330)

OFFICE >	BUD	BUD <i>AMW</i>	EAP <i>AMW</i>	OCC	LMD	AMW
SURNAME >	<del>PETERSON</del>	TIBBATS	WISNESS / <i>HOLT</i>	PRIDE	MCCLURE	PUTHOFF
DATE >		4/20/94	<i>PRIDE</i>			
OFFICE >	BUD <i>PRIDE</i>					
SURNAME >	LORENZ					
DATE >	<i>JUN 2 1994</i>					

Distribution List for memo dated

JUN - 2 1994

N. M. HIGHLAND, CFO A7-29R.  
R. M. ROSSELLI, AMA A7-70  
J. J. KEATING, AMT A5-54  
J. R. HUNTER, AMW R3-81  
J. D. BAUER, AME A3-42  
T. R. SHERIDAN, TWR R3-73  
E. E. PRIDE, OCC A4-52  
K. K. RANDOLPH, COM A7-75  
S. H. WISNESS, EAP A5-15  
R. W. BROWN, TWP S7-52  
D. L. SOURS, OET, B5-31  
L. C. WILLIAMS, PPO, A5-18

J. M. MECCA, OTD R3-81  
J. M. HENNIG, WMD R3-80  
M. B. HITT, SID A7-27  
E. W. HIGGINS, PSD R3-73  
K. W. BRACKEN, TWR R3-73  
R. D. FREEBERG, EPD A5-19  
D. E. TRADER, TDD/R&D K8-50  
J. K. ERICKSON, END A5-19  
N. D. MOORER, AMW R3-81  
R. G. HOLT, EAP/RPA A5-15  
J. J. SUTEY, PMD K8-50  
J. L. DAILY, NMD R3-81

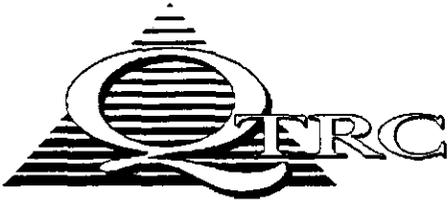
**----- TRI-PARTY AGREEMENT NEGOTIATIONS  
ER REFOCUSING  
PUBLIC INVOLVEMENT SCHEDULE**

	<u>Timeframe</u>
Negotiating Team Reach Tentative Agreement	7-29 through 8-15
Prepare, print and distribute notice on public comment period (meets 30-day requirement for notifying the public)	7-10 through 7-29
Prepare, print and distribute focus sheet, send news release and prepare print advertisements on public comment period	8-1 through 8-12
Prepare, print and distribute draft Agreement	8-5 through 8-19
Start 45-day public comment period	8-10 through 8-29
[Introduce Facility Transition issues--series of public forums]	(Tentative) 8-22 through 8-25
End public comment period	9-21 through 10-13
Hold series of public forums on ER Refocusing	(mid-point through public comment period)
Prepare, print and distribute Response to Comment document	10-11 through 10-31
Present final agreements and Response to Comment summary to the Hanford Advisory Board	October or November meeting
Sign the final Tri-Party Agreement on ER Refocusing	(Tentative) mid-October through early November

HANFORD UPDATE  
DRAFT ARTICLE LIST  
AUGUST/SEPTEMBER ISSUE

<u>ARTICLES</u>	<u>AGENCY</u>
ER Refocusing Negotiations/Public Comment period	USDOE
Columbia River	EPA
Bechtel as new ER Contractor	USDOE
Facility Transition Negotiations	ECOLOGY
Groundwater Remediation Strategy	USDOE
Hanford Advisory Board meeting	ECOLOGY
ERDF	ECOLOGY
Privatization of the Vitrification Plant	USDOE
K Basins	ECOLOGY

Change Number M-15-94-08	Federal Facility Agreement and Consent Order Change Control Form <small>Do not use blue ink. Type or print using black ink.</small>	Date May 5, 1994									
Originator E. D. Goller		Phone 376-7326									
Class of Change <input type="checkbox"/> I - Signatories <input checked="" type="checkbox"/> II - Project Manager <input type="checkbox"/> III - Unit Manager											
Change Title 100-BC-2 RI/FS Interim Milestones											
Description/Justification of Change <p>Three interim milestones are proposed to ensure that 100-BC-2 Operable Unit Work Plan activities are completed on schedule. These three interim milestones are as follows:</p> <ol style="list-style-type: none"> <li>1. (M-15-16D) Submit the 100-BC-2 OU Limited Field Investigation Report to Ecology and EPA. Interim milestone completion date: August 31, 1994.</li> <li>2. (M-15-16E) Submit the 100-BC-2 OU Focused Feasibility Study Report to Ecology and EPA. Interim milestone completion date: June 30, 1995.</li> <li>3. (M-15-16F) Submit the 100-BC-2 OU IRM Proposed Plan to Ecology and EPA. Interim milestone completion date: June 30, 1995.</li> </ol> <p>The 100-BC-2 OU Remedial Investigation/Feasibility Study Work Plan approved by the U. S. Environmental Protection Agency (EPA) on February 17, 1994 requires the U. S. Department of Energy, Richland Operations Office (RL) to submit validated data for the 100-BC-2 OU vadose investigation to EPA and the State of Washington Department of Ecology. This task was identified in the work plan as an interim milestone. RL completed this task on February 4, 1994, therefore it is not included in this change control form as an interim milestone.</p>											
Impact of Change <p>Milestone dates established in the Tri-Party Agreement are at the end of the month. This change will not impact the current scope, schedule, or investigative costs.</p>											
Affected Documents <p>Hanford Federal Facility Agreement and Consent Order Action Plan, Appendix D, Work Schedule / REMEDIAL INVESTIGATION / FEASIBILITY STUDY WORK PLAN FOR THE 100-BC-2 OPERABLE UNIT, HANFORD SITE, RICHLAND WASHINGTON. <i>9/22</i></p>											
Approvals <table border="0"> <tr> <td data-bbox="191 1646 639 1751"> <i>[Signature]</i>                      DOE                 </td> <td data-bbox="656 1646 802 1751">                     7/6/94                      Date                 </td> <td data-bbox="850 1646 1192 1751"> <input checked="" type="checkbox"/> Approved    <input type="checkbox"/> Disapproved                 </td> </tr> <tr> <td data-bbox="191 1751 639 1835"> <i>[Signature]</i>                      EPA                 </td> <td data-bbox="656 1751 802 1835">                     6/24/94                      Date                 </td> <td data-bbox="850 1751 1192 1835"> <input checked="" type="checkbox"/> Approved    <input type="checkbox"/> Disapproved                 </td> </tr> <tr> <td data-bbox="191 1835 639 1919"> <i>[Signature]</i>                      Ecology                 </td> <td data-bbox="656 1835 802 1919">                     7/6/94                      Date                 </td> <td data-bbox="850 1835 1192 1919"> <input checked="" type="checkbox"/> Approved    <input type="checkbox"/> Disapproved                 </td> </tr> </table>			<i>[Signature]</i> DOE	7/6/94 Date	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved	<i>[Signature]</i> EPA	6/24/94 Date	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved	<i>[Signature]</i> Ecology	7/6/94 Date	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved
<i>[Signature]</i> DOE	7/6/94 Date	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved									
<i>[Signature]</i> EPA	6/24/94 Date	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved									
<i>[Signature]</i> Ecology	7/6/94 Date	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved									



## **Tri-Party Agreement Training**

**Prepared by  
Quality Training and Resource Center**



# TABLE OF CONTENTS

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REASON FOR THE COURSE .....	3
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# Tri-Party Agreement Training

## INTRODUCTION

This course, Tri-Party Agreement Training, was developed to ensure all those involved in meeting the milestones in the agreement understand their roles and can perform as required by the Tri-Party Agreement. Meeting agreement milestones provides positive publicity for Hanford.

The course will cover compliance requirements, public involvement, dispute and issue resolution, the Tri-Party Agreement Handbook, sources of Tri-Party Agreement information, and the changes recently negotiated.

## REASON FOR THE COURSE

The Tri-Party Agreement is a high profile document guiding Hanford's cleanup activity by stating milestones the DOE and its Hanford contractors must achieve. Meeting these identified milestones is important to Hanford contractors as political and public interests pay close attention to the successes and failures of the Hanford site. Failure to meet Tri-Party Agreement milestones or methods has and will result in an abundance of negative publicity.

Observations of management actions show some are not aware of the scope and procedures presented in the Tri-Party Agreement. With the scope increased from recent negotiations, the number of personnel involved in meeting Tri-Party Agreement milestones has increased. This creates a larger pool of those who may not know the extent of the agreement, milestones, and their roles in meeting those milestones.

The proposed course will meet the basic informational needs of those involved in meeting milestones and following procedures of the Tri-Party Agreement.



## INTENDED AUDIENCE FOR THE COURSE

The desired audience includes management and oversight personnel from contractors and regulatory agencies, specifically those related to the activities identified in Appendix B of the Tri-Party Agreement Handbook (RL-TPA-90-0001).

## DESCRIPTION OF THE COURSE

### COURSE GOAL

The training goal is to provide those who have an influence or a part in helping Hanford meet agreement provisions, with the tools and information they need to understand the agreement and perform their role.

### TERMINAL OBJECTIVE

Participants will define their roles in helping the Hanford site meet the obligations of the Tri-Party Agreement.

### COURSE DESCRIPTION

The course will consist of seven segments:

- Overview of the Tri-Party Agreement
- Compliance and Enforcement
- Budget Development & Execution
- Public Involvement
- Tribal Involvement
- Dispute Resolution
- The Tri-Party Agreement Handbook
- Sources of Tri-Party Agreement Information
- Negotiated Changes of the Tri-Party Agreement

The information presented will be general. Detailed information will be limited to that which applies to a majority of the intended audience.



## COURSE TOPICS

### SEGMENT 1 - Overview of the Tri-Party Agreement

- I. History of the Tri-Party Agreement
- II. Reason for This Course
- III. How the Tri-Party Agreement Fits with Hanford Goals
- IV. The Roles of the Parties Involved
- V. The Agenda of the Course

### SEGMENT 2 -- Compliance and Enforcement

- I. Introduction--The Aberdeen Story
- II. The Compliance Agreement
- III. Ecology Enforcement
- IV. EPA Enforcement
- V. Conclusion

### SEGMENT 3 -- Budget Development & Execution

- I. Introduction
- II. Budget Planning and Formulation
- III. Communication and Consultation

### SEGMENT 4 -- Public Involvement

- I. Introduction
- II. Tri-Party Agreement Public Involvement Activities



- III. Applying the Tri-Party Agreement Public Involvement Process
- IV. The Community Relations Plan
- V. The Hanford Advisory Board
- VI. Summary

#### SEGMENT 5 -- Tribal Involvement

To be developed by Kevin Clarke

#### SEGMENT 6 -- Dispute Resolution

- I. Introduction
- II. Example of the RCRA Process
- III. Differences in the CERCLA Process
- IV. Conclusion

#### SEGMENT 7 -- Tri-Party Agreement Handbook

- I. Introduction to the Tri-Party Agreement Handbook
- II. Four of the Handbook
- III. Key Sections of the Handbook

#### SEGMENT 8 -- Sources of Tri-Party Agreement Information

- I. Introduction
- II. The Environmental Tracking System
- III. The Tri-Party Agreement Change Control System



## COURSE IMPLEMENTATION

This course is being developed through team effort of subject-matter experts, instructional designers, editors, and desktop publishers.

Subject-matter experts will be the course instructors. The Quality Training and Resource Center will administrate the course.

## COURSE DELIVERY DATES

5/18/94	Dry Run (Completed)
August 2 (Tentative)	Second Dry Run (Peer Review)
TBD	Begin Course Instruction

## TPA Training Audience

WHCWHC

T. V. Anderson	G7-13
W. T. Alumkal	S7-85
L. D. Arnold	B2-35
B. A. Austin	B2-30
S. A. Barker	G3-20
M. L. Belt	T6-16
S. L. Berrar	H6-29
P. R. Beaver	B5-01
R. M. Black	R1-19
D. L. Borders	B3-62
R. C. Bowman	H6-24
S. L. Brey	T6-12
M. K. Britton	B4-54
P. J. Brulotte	B4-54
K. C. Burgard	R4-01
F. T. Calapristi	B2-35
D. J. Cannon	A5-20
A. S. Carlson	B3-35
D. J. Carrell	H6-22
A. P. Church	H6-01
P. J. Crane	T3-28
C. L. Davis	B5-04
C. Defigh-Price	R2-31
A. J. DiLiberto	R3-46
H. D. Downey	H6-27
V. R. Dronen	A5-56
C. W. Dunbar	R1-30
B. G. Erlandson	H6-20
D. L. Flyckt	R3-45
M. A. Felton	A3-01
L. A. Fort	S4-54
M. A. Frank	H6-04
R. L. Fritz	B4-08
L. A. Garner	R2-86
K. A. Gasper	G3-20
C. J. Geier	R2-54
S. D. Godfrey	B2-35
E. M. Greager	H6-30
K. A. Hadley	R3-56
L. R. Hafer	B3-75
P. S. Hale	B3-35
D. L. Halgren	S6-70
M. J. Hall	T6-07
J. A. Highland	A3-80
J. J. Holmes	L0-14
J. L. Homan	H5-09
J. O. Honeyman	S7-81
G. W. Jackson	H6-21
S. M. Joyce	H4-19
J. R. Kirkendall	B2-22
A. J. Knepp	H6-06
O. S. Kramer	B2-35
K. Kytola	H6-27

M. J. La Barge	T3-28
R. J. Landon	H6-21
J. L. Lee	R2-36
G. J. Lebaron	S6-19
D. W. Lindsey	L4-96
D. M. Lucoff	R1-51
D. J. McBride	T5-54
M. M. McCarthy	N3-13
M. A. McLaughlin	B2-35
L. C. Mercado	R2-75
G. A. Meyer	S4-54
J. C. Midgett	N2-51
W. C. Miller	S4-55
A. G. Miskho	H6-30
P. D. Mix	H6-29
R. D. Morrison	B2-35
R. J. Murkowski	R4-01
D. J. Newland	R2-36
D. L. Nielsen	N2-53
D. B. Pabst	B2-35
M. W. Peres	R3-45
L. F. Perkins	S6-15
C. N. Potter	B5-04
R. W. Powell	H4-14
S. M. Price	H6-23
T. E. Rainey	R4-02
R. N. Richardson	H6-08
R. C. Roal	H5-27
R. J. Roberts	B5-26
J. R. Robertson	H6-30
F. A. Ruck	H6-23
L. K. Severud	S7-84
A. R. Sherwood	H6-30
D. L. Sickle	H6-27
J. O. Skolrud	H6-20
C. M. Smith	H6-30
E. H. Smith	H6-22
S. L. Smith	X7-02
P. L. Stokes	A6-06
M. W. Stevenson	B2-35
J. N. Strode	R2-11
C. R. Stroup	H4-19
R. W. Szelmezcza	N1-73
L. E. Thiede	B3-35
R. R. Thompson	H6-32
S. A. Thompson	H6-24
J. D. Thomson	R1-30
J. E. Thrasher	R3-46
J. E. Truax	X3-71
T. B. Veneziano	H6-32
E. C. Vogt	T5-50
G. B. Vondruska	B1-02
J. L. Waite	B2-35

WHC

R. R. Wanecke	R3-56
D. J. Watson	X0-41
C. R. Webb	H6-03
E. T. Weber	G6-08
M. W. Wells	R2-75
J. D. Williams	H6-28
G. F. Williamson	R4-01
R. D. Wojtasek	R2-34
R. F. Wood	R4-01
H. H. Yoshikawa	B2-30

DOE

C. V. Banks	R3-74
J. D. Bauer	A3-42
G. E. Bishop	R3-72
K. W. Bracken	S7-50
R. W. Brown	S7-52
D. C. Bryson	R3-80
S. T. Burnum	R3-74
R. F. Christensen	R3-72
C. E. Clark	A5-15
J. M. Clark	R3-72
A. J. Colburn	R3-81
J. L. Daily	R3-81
J. K. Erickson	A5-19
L. Erickson	R3-74
M. J. Furman	R3-80
C. C. Haass	S7-52
R. A. Gilbert	R3-74
E. D. Goller	A5-19
R. F. Guercia	R3-80
J. M. Hennig	R3-80
L. A. Huffman	R3-74
J. D. Kautzki	A5-04
G. R. Konzek	S7-52
P. J. Krupin	A5-15
L. S. Mamiya	K8-50
W. J. Mazarol	R3-72
R. G. McLeod	A5-19
J. E. Mecca	R3-81
P. M. Pak	A5-19
W. D. Perro	H5-19
J. Peschong	
J. M. Peterson	A7-89
M. L. Ramsay	S7-52
L. D. Romine	R3-81
W. A. Rutherford	A5-04
C. O. Ruud	R3-72
G. H. Sanders	R3-74
A. D. Sidpara	R3-72
K. M. Thompson	A5-19
H. R. Trumble	A5-19
D. M. Wanek	R3-80
P. W. Willison	A4-52

DOE

W. R. Wrzesinski	R3-74
J. K. Yerxa	A5-15

EPA

P. R. Beaver	B5-01
D. R. Duncan	H5-33
D. R. Einan	B5-01
D. A. Faulk	B5-01
L. E. Gadbois	B5-01
P. S. Innis	B5-01
D. R. Sherwood	B5-01

PNL

H. T. Tilden	P7-79
M. H. Schliender	B1-40

Ecology

G. Anderson	Olympia
L. A. Davies	Olympia
J. W. Donnelly	N1-08
D. N. Goswami	N1-08
N. Hepner	N1-08
D. Josue	Lacey
M. N. Jaraysi	N1-08
K. Kowalik	Olympia
B. M. Mauss	N1-08
S. McKinney	Lacey
T. M. Michelena	Lacey
D. C. Nylander	N1-08
R. F. Stanley	Lacey
G. T. Tebb	N1-08
D. Teel	N1-08
E. Wiley	N1-08

BHI

J. S. Bishop	H6-07
J. Diediker	H4-79
L. A. Dietz	H6-07
R. D. Fox	H6-07
G. Jones	H4-79
J. Nemeč	H4-79
J. K. Patterson	H6-27
M. R. Schwab	H6-07
J. Slater	H4-79
S. Weil	H4-79
M. Wollin	H4-79
T. M. Wintczak	H6-27

MACTEC

L. Soler	B1-42
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MACTEC

L. Soler  
P. J. Walker

B1-42  
A4-35