



U.S. Department of Energy  
**Office of River Protection**

P.O. Box 450  
Richland, Washington 99352

'0055378

01-ORP-074

MAY 21 2001

Mr. Michael A. Wilson, Program Manager  
Nuclear Waste Program  
State of Washington  
Department of Ecology  
P.O. Box 47600  
Olympia, Washington 98504

**RECEIVED**  
AUG 24 2001  
**EDMC**

Dear Mr. Wilson:

U.S. DEPARTMENT OF ENERGY (DOE) DRAFT HANFORD FEDERAL FACILITY AGREEMENT AND CONSENT ORDER (TRI-PARTY AGREEMENT) CHANGE REQUEST (CR) M-62-01-02: RESPONSE/CLARIFICATION TO STATE OF WASHINGTON DEPARTMENT OF ECOLOGY'S (ECOLOGY) CONCERNS REGARDING THE "DRAFT" CHANGE REQUEST

- References:
1. Ecology letter from M. Wilson to J. Rasmussen, ORP, "Disapproval of U.S. Department of Energy (DOE) Draft Hanford Federal Facility Agreement and Consent Order (HFFACO) CR M-45-01-01, M-62-01-02, M-90-01-01," dated May 16, 2001.
  2. Ecology letter from R. Stanley to M. E. Burandt, ORP, "U.S. Department of Energy (DOE) Draft Hanford Federal Facility Agreement and Consent Order (HFFACO) Change Request (CR) M-62-01-02, dated March 1, 2001.

This letter hereby respectfully requests Ecology to reconsider its decision dated May 16, 2001, (Reference 1) and to consider the attached amended change request (Attachment 1) documenting DOE's bases for requesting extension of the affected milestones under Section 12.3.2 of the Tri-Party Agreement Action Plan. Albeit belatedly, the Department was in the process of responding to Mr. Stanley's letter (Reference 2) at the time we received your May 16, 2001, decision. We sincerely apologize for the untoward delay in responding and respectfully request that you consider our response (Attachment 2), grant our request for reconsideration, and consider these amended change requests and supplemental information.

We further request that you toll or extend the seven day limitation period for initiating Dispute Resolution provided Article XL, Paragraph 124 of the Tri-Party Agreement. Absent your agreement, the Department will protectively file a Notice of Dispute within the seven day period; however, we feel delaying formal dispute and/or appeal of this matter until the Parties are in possession of additional information to be developed later on, e.g., more definitive Fiscal Year (FY) 02 and FY 03 Budget data, is in the best interest of both agencies.

From the start of our termination of the vitrification plant contractor (BNFL Inc.), we have attempted to explain our need to have a baseline in place for the River Protection Project (RPP)

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which is technically achievable. In doing so we have had to sign contracts which do not reflect the Tri-Party Agreement as it stands today. While we did not get your approval prior to signing the contracts we have been upfront and straightforward with you on the reasons for those decisions. On several occasions, including the April 5, 2001, Hanford Advisory Board mid-year review, DOE Office of River Protection (ORP) has illustrated the discrepancies between ORP's commitment dates under the Tri-Party Agreement and the RPP integrated baseline. We have asked for Ecology and U.S. Environmental Protection Agency's assistance in having a baseline which reflects critical commitments that are technically achievable and defensible, consistent with mission requirements. Our proposed Tri-Party Agreement change requests do not impact the start of hot operations in 2007 and completion of Phase 1 by 2018 as provided in the Directors Final Determination.

We have briefed you several times starting on February 27, 2001, on our RPP Integrated Baseline and have given you copies of the critical path analysis as required under Tri-Party Agreement Action Plan section 11.8. We have also tried to meet with you several times to discuss critical path milestone management under section 4.1. Since we have not been able to meet, Attachment 3 contains Baseline Change Request RPP-081 which starts the process to align and integrate the CH2M HILL Hanford Group, Inc. schedule with the Waste Treatment Plant schedule. This realignment of the Integrated River Protection Baseline is an important step in furthering the discussions and to support renegotiation of the effected milestones by December 15, 2001. Ideally we would have liked to have the RPP baseline fully integrated prior to submitting these change requests so we could have firm dates for enforceable commitments where we currently only have TBDs. We recognize that our inability to give the State firm dates causes you concern. We have tried to alleviate this situation by continuing the dialog through the summer on the integration efforts and committing to complete negotiation by December 15, 2001. Through these changes we have tried to align the contracts and the proposed Tri-Party Agreement changes.

Please let us know if you agree with the path forward outlined in this letter prior to May 23, 2001, which represents the due date for DOE to initiate the Dispute Resolution process as described in the Tri-Party Agreement. If you have questions, please contact me (509) 376-6677 or Jim Rasmussen (509) 376-2247.

Sincerely,



Harry L. Boston  
Manager

ORP:JER

Attachments (3)

cc: See page 3

Mr. Michael A. Wilson  
01-ORP-074

-3-

MAY 21 2001

cc w/attachs:

R. Gay, CTUIR

P. Sobotta, NPT

R. Jim, YN

E. Savage, BNI

M. J. Riess, CHG

R. F. Stanley, Ecology

D. R. Sherwood, EPA

J. S. Hertzal, FHI

O. S. Kramer, FHI

T. Martin, HAB

M. L. Blazek, Oregon Energy

C. E. Clark, RL

J. B. Hebdon, RL

Administrative Record

**Attachment 1**

**Revised Change Request Packages**

**For**

**M-45-01-02,**

**M-62-01-03,**

**And**

**M-90-01-02**



Length of Extension Sought: DOE is unable to state the length of the extension needed because (1) this date was predicated on the BNFL privatization contract proceeding as planned; (2) since that contract was terminated, the Federal procurement process required to award a new contract consumed eight months that would otherwise have been used in preparing for start of construction; (3) after award of the new contract, the new contractor needs adequate time to develop its proposed performance schedule for DOE review and possible negotiation. BNI submitted its proposed schedule on April 15, 2001 and it is now under review. With respect to related milestones (described below) affected by the Start of Construction date, in order to coordinate the efforts of the WTP and Tank Farm Operations contractors, both of their schedules must be integrated; as mentioned in Reference 1, CHG is required to submit its first integration of both schedules on May 15 and a final integration by September 30, 2001. Consequently, any estimated length of extension would be purely speculative at this point and would not be based on sound understanding, planning, and technical analysis of the baseline. This assumes that funding is available to support the existing contracts in FY 2002 and 2003.

Good Cause for the Extension Sought: These events constitute good cause for extension under: Article XLVII, paragraph 145.G, insufficiency of appropriated funds - because of the unacceptably high and unfunded cost of the privatization proposal that caused DOE to terminate that contract; Article XLVII, Force Majeure, paragraph 145F, delays caused by compliance with applicable statutes or regulations governing contracting, procurement or acquisition procedures, despite the exercise of reasonable diligence - this resulted from the need to issue and award a new contract to design, build, and commission the WTP, consuming time that would otherwise have been used to prepare for start of construction; and, in the alternative, Article XL, paragraph E, any other series of events mutually agreed to by the Parties as constituting good cause.

Related Milestones that may be affected if the change is granted:

Milestones M-62-06, 62-07, 62-10, 62-11, M-20-56, 20-57, M-90-08, 10, and 11, are all impacted by the Start of Construction. The changes to the M-20 and M-90 milestones are related to when facilities for storage and disposal of vitrified waste will be needed.

The following changes will be adopted as part of this change request:

MS Number	Milestone Description	Due Date
M-45-00C	COMPLETE RENEGOTIATION OF SECOND PHASE (I.E., 9/30/2006 THROUGH 9/30/2015) SST WASTE RETRIEVAL ACTIVITIES	2/28/2004*

THESE NEGOTIATIONS SHALL TAKE INTO ACCOUNT VARIABLES SUCH AS WORK IN PROGRESS, E.G. DOE'S TANK WASTE TREATMENT COMPLEX ACQUISITION INITIATIVE AND ENVIRONMENTAL AND HUMAN HEALTH RISKS ASSOCIATED WITH RELEASES FROM DOE'S SSTs. NEGOTIATIONS SHALL BE DESIGNED TO ESTABLISH A SUFFICIENT NUMBER OF AGREEMENT MILESTONES AND TARGET DATES TO EFFECTIVELY DRIVE EACH PHASE OF WORK INCLUDING BUT NOT LIMITED TO: 1) WASTE RETRIEVAL TECHNOLOGY DEVELOPMENT, 2) RETRIEVAL PERFORMANCE EVALUATIONS, 3) LEAK DETECTION MONITORING, AND MITIGATION, 4) SELECTION OF SST RETRIEVAL SEQUENCE, 5) DESIGN, CONSTRUCTION AND OPERATION OF SST WASTE RETRIEVAL SYSTEMS, AND 6) CLOSURE PLANNING AND CLOSURE PLAN DEVELOPMENT.

DOE AND DOE'S CONTRACTOR(S) WILL RETRIEVE AND TRANSFER SST WASTES INTO THE DST SYSTEM AS SOON AS SPACE IS MADE AVAILABLE, ALLOWING DST SPACE FOR TREATMENT PLANT FEED STAGING AND SAFETY ISSUE RESOLUTION. TRANSFER OF SST WASTE WILL BE MADE ONCE SUFFICIENT DST SYSTEM SPACE IS AVAILABLE TO ALLOW A TRANSFER OF AN OPERATIONALLY PRACTICABLE VOLUME OF WASTE. SST WASTE WILL BE RETRIEVED ON A PRIORITY BASIS WITH THE GOALS OF REDUCING ENVIRONMENTAL RISK AND TREATMENT PROCESS OPTIMIZATION. DOE AND ECOLOGY WILL AGREE ON THE CRITERIA TO DETERMINE ENVIRONMENTAL RISK REDUCTION.

\* These negotiations will also consider the need for additional compliant storage space. Should DOE fail to initiate construction of the Phase 1 Hanford Tank Waste Treatment Complex within five months of the required completion date as listed in M-62-03 by December 31, 2001 as defined in agreement interim milestone M-62-06, the due date for this M-45-00C milestone shall be automatically adjusted to a date that extends nine

months (initial five months plus four additional months to allow for project planning) from the completion date as listed in M-62-06.

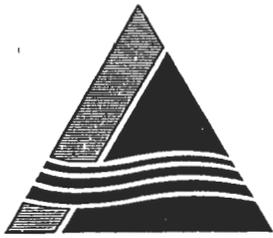
The Parties will revise or confirm construction progress milestone due dates following the guidance found in M-62-13 and the contract authorizing the design, construction and commissioning of a facility for the treatment of single-shell and double-shell tank wastes. Revision if necessary shall be consistent with Hot Commissioning by December 2007 and completion of Phase 1 Treatment by February 2018.

M-62-13

COMPLETE THE RENEGOTIATION OF M-62-06 AND M-62-07 MILESTONES

12/15/2001

THE PARTIES WILL REVISE OR CONFIRM MILESTONE COMPLETION DATES. REVISION IF NECESSARY SHALL BE CONSISTENT WITH HOT COMMISSIONING BY DECEMBER 2007 AND COMPLETION OF PHASE 1 TREATMENT BY FEBRUARY 2018.



## Tri-Party Agreement

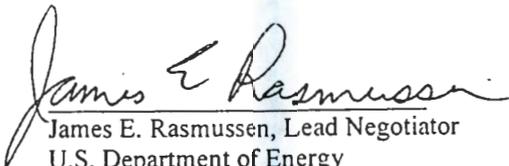
### TENTATIVE AGREEMENT FOR THE AGREEMENT TO CHANGE THE REFERENCED COMPLETION DATES (WITH THE FOOTNOTE) FOR THE M-62-06 MILESTONE AS STATED WITHIN THE M-45-OOC, "COMPLETE RENEGOTIATION OF THE SECOND PHASE (I.E. 9/30/2015) SST WASTE RETRIEVAL ACTIVITIES" MILESTONE

The State of Washington, Department of Ecology, and the U.S. Department of Energy, Office of River Protection (the parties) completed preliminary negotiations on commitments regarding the establishment of a negotiation date for the M-45-00C milestone. A tentative agreement has been reached and a Change Package (# M-45-01-02) has been developed and found mutually acceptable to the parties. These changes (Change No. M-45-01-02) are attached to the Tentative Agreement.

It is the intent of the parties, that provisions of the milestone commitments in this change request be honored as the Change Request (CR) M-45-01-02 is undergoing the process of finalization.

It is the party's intent to submit the Tentative Agreement (including CR M-45-01-02) for a 45-day public comment period to run from approximately June 15 to July 31, 2001. Specific Public Comment period dates will be coordinated to ensure opportunity for review and comment. Following the public comment period, the parties will jointly prepare responses to public comments. The parties further agree to minimize additional delay, and if the parties are not able to resolve all issues with regard to public comment, any unresolved matters shall be referred back for dispute resolution under the Agreement, Article VIII. However, any dispute resulting from these negotiations shall be initiated at the Interagency Management Integration Team level as described in the Agreement.

The parties are expected to approve the changes to the Agreement contained within CR M-45-01-2 by December 15, 2001.

  
James E. Rasmussen, Lead Negotiator

U.S. Department of Energy  
Office of River Protection

\_\_\_\_\_  
Roger F. Stanley, Lead Negotiator  
State of Washington  
Department of Ecology

<b>Change Number</b> M-62-01-03	<b>Federal Facility Agreement and Consent Order Change Control Form</b> <small>Do not use blue ink. Type or print using black ink.</small>	<b>Date</b> 5/02/2001
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<b>Originator</b> DOE, Office of River Protection (ORP)	<b>Phone</b> 376-2247
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**Class of Change**

I - Signatories                       II - Executive Manager                       III - Project Manager

**Change Title**  
Modifications to the M-62-06, M-62-07, M-62-10 & M-62-11 milestones, that are necessary to provide consistency between Tri-Party Agreement milestone language, completion schedules for contract No. DE-AC27-01RV14136 and the ORP baseline schedule.

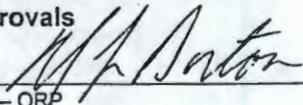
**Description/Justification of Change**  
In the September 19, 2000 approved amendment to Consent Decree No. CT-99-5076-EFS, DOE was required to award a contract to replace the terminated privatization contract for the design, construction and commissioning of a Phase I Treatment Complex by January 15, 2001. The Tri-Party Agreement milestone M-62-06 (Start of Construction Phase 1 Treatment Complex by July 31, 2001) was no longer technically achievable as a result of an unacceptable price estimate from the Privatization Contractor at \$15.2 billion vs \$6.6 billion government cost estimate. This resulted in unavoidable time delays necessary to award a new Waste Treatment Plant contract under competitive federal procurement rules. Contract No. DE-AC27-01RV14136 was awarded on December 11, 2000 for the Design, Construction and Commission of a Facility for the Phase I Hanford Tank Waste Treatment Complex. This change request modifies the following milestones by adopting original language from the  
**(Continued on page 2)**

**Impact of Change**

This change request modifies the language for the M-62-06, M-62-07 milestones in accordance with the original language from the M-62-05 milestone prior to deletion of M-62-05 per the terms of Consent Decree No. CT-99-5076-EFS, First Amendment. This change also recommends modifications to the M-62-10 and M-62-11 milestones that are necessary to provide consistency between Tri-Party Agreement milestones, completion schedules for contract No. DE-AC27-01RV14136 and the ORP baseline schedule. Contract No. DE-AC27-01RV14136 provides for the Design, Construction and Commission of a Facility for the Phase I Hanford Tank Waste Treatment Complex. The milestones established for renegotiation of the M-62 series milestones are consistent with the recently established contract for the Waste Treatment Contractor (WTC). This change will also impact the M-90-08, M-90-09-T01, M-90-10, M-90-11, M-20-56, M-20-57, M-45-00C. These are addressed in other change requests submitted separately.

**Affected Documents**

The Hanford Federal Facility Agreement and Consent Order, as amended, Hanford Site internal planning and budget documents (e.g., Agreement Action Plan, Appendix D, DOE and DOE contractor Baseline Change control documents, and Project Management Plans.

<b>Approvals</b>			
 DOE - ORP	5/21/01	<input checked="" type="checkbox"/> Approved	<input type="checkbox"/> Disapproved
_____	_____	<input type="checkbox"/> Approved	<input type="checkbox"/> Disapproved
DOE - RL	_____	<input type="checkbox"/> Approved	<input type="checkbox"/> Disapproved
_____	_____	<input type="checkbox"/> Approved	<input type="checkbox"/> Disapproved
EPA	_____	<input type="checkbox"/> Approved	<input type="checkbox"/> Disapproved
_____	_____	<input type="checkbox"/> Approved	<input type="checkbox"/> Disapproved
Ecology	_____	<input type="checkbox"/> Approved	<input type="checkbox"/> Disapproved

recently deleted M-62-05 milestone and integrating the programmatic schedules as outlined in contract No. DE-AC27-01RV14136 (Note: Other milestones (i.e., those not listed) within the M-62 series remain unchanged). Additional modifications are necessary to provide consistency between milestone completion dates and the ORP baseline schedule. There may be additional changes required once Fiscal Year 2002 budget impacts are evaluated. Our authority for submitting this change is found in Article XL, Good Cause for Extensions, paragraphs 119, 120.A, 120.D, and 120.E and Article XLVII Force Majeure, paragraphs 145, 145.F and 145.G of the HFFACO and Section 12.0 of the Action Plan.

In accordance with Section 12.3.2 of the Action Plan, we hereby submit the following information:

Milestone(s) Affected: M-62-06.

Length of Extension Sought: DOE is unable to state the length of the extension needed because (1) this date was predicated on the BNFL privatization contract proceeding as planned; (2) since that contract was terminated, the Federal procurement process required to award a new contract consumed eight months that would otherwise have been used in preparing for start of construction; (3) after award of the new contract, the new contractor needs adequate time to develop its proposed performance schedule for DOE review and possible negotiation. BNI submitted its proposed schedule on April 15, 2001 and it is now under review. With respect to related milestones (described below) affected by the Start of Construction date, in order to coordinate the efforts of the WTP and Tank Farm Operations contractors, both of their schedules must be integrated; as mentioned in Reference 1, CHG is required to submit its first integration of both schedules on May 15 and a final integration by September 30, 2001. Consequently, any estimated length of extension would be purely speculative at this point and would not be based on sound understanding, planning, and technical analysis of the baseline. This assumes that funding is available to support the existing contracts in FY 2002 and 2003.

Good Cause for the Extension Sought: These events constitute good cause for extension under: Article XLVII, paragraph 145.G, insufficiency of appropriated funds - because of the unacceptably high and unfunded cost of the privatization proposal that caused DOE to terminate that contract; Article XLVII, Force Majeure, paragraph 145F, delays caused by compliance with applicable statutes or regulations governing contracting, procurement or acquisition procedures, despite the exercise of reasonable diligence - this resulted from the need to issue and award a new contract to design, build, and commission the WTP, consuming time that would otherwise have been used to prepare for start of construction; and, in the alternative, Article XL, paragraph E, any other series of events mutually agreed to by the Parties as constituting good cause.

Related Milestones that may be affected if the change is granted:

Milestones 62-07, 62-10, 62-11, M-20-56, 20-57, M-90-08, 10, 11 and M-45-00C are all impacted by the Start of Construction. The changes to the M-20 and M-90 milestones are related to when facilities for storage and disposal of vitrified waste will be needed.

The following changes will be adopted as part of this change request:

MS Number	Milestone Description	Due Date
M-62-06	START OF CONSTRUCTION PHASE I TREATMENT COMPLEX FIRST PLACEMENT OF STRUCTURAL CONCRETE AT ONE OF THE TREATMENT COMPLEX PRINCIPAL FACILITIES (I.E. PRETREATMENT, LOW- ACTIVITY WASTE VITRIFICATION, OR HIGH-LEVEL WASTE VITRIFICATION FACILITIES). <u>THE PARTIES WILL REVISE OR CONFIRM CONSTRUCTION PROGRESS MILESTONE DUE DATES AUTHORIZING THE DESIGN, CONSTRUCTION AND COMMISSIONING OF A FACILITY FOR THE TREATMENT OF SINGLE-SHELL AND DOUBLE-SHELL TANK WASTES. REVISION, IF NECESSARY SHALL BE CONSISTENT WITH HOT COMMISSIONING BY DECEMBER 2007 AND COMPLETION OF PHASE 1 TREATMENT BY FEBRUARY 2018.</u>	<del>7/31/2001</del> TBD*1
	<u>*1 - COMPLETE THE RENEGOTIATION OF M-62-06 AND M-62-07 MILESTONES PER M-62-13</u>	
M-62-07	CONSTRUCTION PROGRESS MILESTONES (2) - PHASE I TREATMENT COMPLEX DOE SHALL COMPLETE TWO CONSTRUCTION PROGRESS MILESTONES DURING THE PERIOD BETWEEN START OF CONSTRUCTION AND START OF <u>HOT COMMISSIONING</u> COMMERCIAL OPERATIONS. THESE MILESTONES WILL	TBD*1

BE ESTABLISHED WITHIN 60 DAYS OF ISSUANCE OF THE DOE AUTHORIZATION TO PROCEED WITH PHASE I TREATMENT.

THE PARTIES WILL REVISE OR CONFIRM THE CONSTRUCTION PROGRESS MILESTONE DUE DATES AUTHORIZING THE DESIGN, CONSTRUCTION AND COMMISSIONING OF A FACILITY FOR THE TREATMENT OF SINGLE-SHELL AND DOUBLE-SHELL TANK WASTES. REVISION, IF NECESSARY SHALL BE CONSISTENT WITH HOT COMMISSIONING BY DECEMBER 2007 AND COMPLETION OF PHASE 1 TREATMENT BY FEBRUARY 2018.

\*1 - COMPLETE THE RENEGOTIATION OF M-62-06 AND M-62-07 MILESTONES PER M-62-13

M-62-09 START (HOT) COMMISSIONING - PHASE I TREATMENT COMPLEX 12/31/2007

DOE WILL START HOT COMMISSIONING OF ITS TANK WASTE TREATMENT COMPLEX (DEFINED AS FIRST PRINCIPAL FACILITY RECEIPT OF RADIOACTIVE TANK WASTE FOR TREATMENT).

M-62-10 COMPLETION OF HOT COMMISSIONING 4/30/2011\*2  
START COMMERCIAL OPERATIONS - PHASE I TREATMENT COMPLEX 12/31/2009

DOE WILL ACHIEVE SUSTAINED THROUGHPUT OF PRETREATMENT, LOW-ACTIVITY WASTE VITRIFICATION AND HIGH-LEVEL WASTE VITRIFICATION PROCESSES, AND DEMONSTRATED TREATMENT COMPLEX AVAILABILITY TO COMPLETE TREATMENT OF NO LESS THAN 10% OF THE TANK WASTE BY MASS AND 25% OF THE TANK WASTE BY ACTIVITY BY DECEMBER 2018.

\*2 - COMPLETE THE RENEGOTIATION OF M-62-10 MILESTONE PER M-62-14

M-62-11 SUBMITTAL OF HANFORD TANK WASTE TREATMENT PHASE II PLAN 3 years after completion of Commercial Operations Hot Commissioning see (M-62-10)

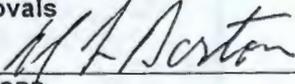
DOE WILL SUBMIT TO ECOLOGY A DETAILED PLAN AND PROPOSAL FOR THE PROCESSING OF THE REMAINDER OF DOE'S LAW AND HLW WASTES (PHASE II WASTES). THIS PLAN AND PROPOSAL WILL BE ACCOMPANIED BY A DRAFT NEGOTIATIONS AGREEMENT IN PRINCIPLE (AIP), AND DRAFT AGREEMENT CHANGE REQUEST CONTAINING SUFFICIENT ENFORCEABLE MILESTONES AND ASSOCIATED AGREEMENT REQUIREMENTS TO EFFECTIVELY DRIVE PHASE II WORK TO COMPLETION IN ACCORDANCE WITH AGREEMENT REQUIREMENTS. PHASE II AGREEMENT NEGOTIATIONS WILL BE COMPLETED WITHIN SIX (6) MONTHS OF AIP FINALIZATION.

M-62-13 COMPLETE THE RENEGOTIATION OF M-62-06 AND M-62-07 MILESTONES 12/15/2001

THE PARTIES WILL REVISE OR CONFIRM MILESTONE COMPLETION DATES. REVISION IF NECESSARY SHALL BE CONSISTENT WITH HOT COMMISSIONING BY DECEMBER 2007 AND COMPLETION OF PHASE 1 TREATMENT BY FEBRUARY 2018.

M-62-14 COMPLETE THE RENEGOTIATION OF M-62-10 12-15-2001

THE PARTIES WILL REVISE OR CONFIRM MILESTONE COMPLETION DATES. REVISION IF NECESSARY SHALL BE CONSISTENT WITH HOT COMMISSIONING BY DECEMBER 2007 AND COMPLETION OF PHASE 1 TREATMENT BY FEBRUARY 2018.

<b>Change Number</b> M-90-01-02	<b>Federal Facility Agreement and Consent Order  Change Control Form</b> <small>Do not use blue ink. Type or print using black ink.</small>	<b>Date</b> 5/02/2001
<b>Originator</b> DOE, Office of River Protection		<b>Phone</b> 376-2247
<b>Class of Change</b> <input type="checkbox"/> I - Signatories <input checked="" type="checkbox"/> II - Executive Manager <input type="checkbox"/> III - Project Manager		
<b>Change Title</b> Modifications to the M-90-08, M-90-09-T01, M-90-10, M-90-11, M-20-56 and M-20-57 milestones, that are necessary to provide consistency between Tri-Party Agreement milestone language, completion schedules for contract No.'s DE-AC27-01RV14136, DE-AC27-99RL14047 and the ORP baseline schedule.		
<b>Description/Justification of Change</b> In the September 19, 2000 approved amendment to Consent Decree No. CT-99-5076-EFS, DOE was required to award a contract to replace the terminated privatization contract for the design, construction and commissioning of a Phase I Treatment Complex by January 15, 2001. Contract No. DE-AC27-01RV14136 was awarded on December 11, 2000 for the Design, Construction and Commission of a Facility for the Phase I Hanford Tank Waste Treatment Complex. Contract No. DE-AC27-99RL14047 was recently extended for an additional 5-year term. (Continued on page 2)		
<b>Impact of Change</b> This change recommends modifications to the M-90-08, M-90-09-T01, M-90-10, M-90-11, M-20-56 and M-20-57 milestones that are necessary to provide consistency between Tri-Party Agreement milestones, completion schedules for contract No.'s DE-AC27-01RV14136, DE-AC27-99RL-14047 and the ORP baseline schedule. Contract No. DE-AC27-01RV14136 provides for the Design, Construction and Commission of a Facility for the Phase I Hanford Tank Waste Treatment Complex. The milestone established for renegotiation of the M-90/M-20 series milestones is consistent with the recently established contracts for the Waste Treatment Contractor (WTC) and the Tank Farm Contractor (TFC). Those contracts require the evaluation of baseline schedules by the WTC on, or before April 15, 2001. The TFC is required to evaluate and integrate the WTC schedules and submit revisions to their baseline by September 1, 2001.		
<b>Affected Documents</b> The Hanford Federal Facility Agreement and Consent Order, as amended, Hanford Site internal planning and budget documents (e.g., Agreement Action Plan, Appendix D, DOE and DOE contractor Baseline Change control documents, and Project Management Plans.		
<b>Approvals</b>  _____ DOE - ORP <u>5/21/01</u> <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved _____ DOE - RL                      _____ <input type="checkbox"/> Approved <input type="checkbox"/> Disapproved _____ EPA                      _____ <input type="checkbox"/> Approved <input type="checkbox"/> Disapproved _____ Ecology                      _____ <input type="checkbox"/> Approved <input type="checkbox"/> Disapproved		

Additional modifications are necessary to provide consistency between milestone completion dates and the ORP baseline schedule. There may be additional changes required once the Fiscal Year 2002 budget impacts are evaluated. Our authority for submitting this change is found in Article XL, Good Cause for Extensions, paragraphs 119, 120.A, 120.D, and 120.E and Article XLVII Force Majeure, paragraphs 145, 145.F and 145.G of the HFFACO and Section 12.0 of the Action Plan. In accordance with Section 12.3.2 of the Action Plan, we hereby submit the following information:

Milestone(s) Affected: M-20-56, 57 and M-90-8, 10, and 11.

Length of Extension Sought: DOE is unable to state the length of the extension needed because (1) this date was predicated on the BNFL privatization contract proceeding as planned; (2) since that contract was terminated, the Federal procurement process required to award a new contract consumed eight months that would otherwise have been used in preparing for start of construction; (3) after award of the new contract, the new contractor needs adequate time to develop its proposed performance schedule for DOE review and possible negotiation. BNI submitted its proposed schedule on April 15, 2001 and it is now under review. With respect to related milestones (described below) affected by the Start of Construction date, in order to coordinate the efforts of the WTP and Tank Farm Operations contractors, both of their schedules must be integrated; as mentioned in Reference 1, CHG is required to submit its first integration of both schedules on May 15 and a final integration by September 30, 2001. Consequently, any estimated length of extension would be purely speculative at this point and would not be based on sound understanding, planning, and technical analysis of the baseline. This assumes that funding is available to support the existing contracts in FY 2002 and 2003.

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The following changes will be adopted as part of this change request:

MS Number	Milestone Description	Due Date
M-90-08	INITIATE ILAW DISPOSAL FACILITY CONSTRUCTION	<del>7/31/2004</del> 6/30/2005*3
	INITIATION OF CONSTRUCTION OCCURS WHEN THE CONTRACTOR COMMENCES EXCAVATION OF THE RCRA DISPOSAL FACILITY.	
	*3 - COMPLETE THE RENEGOTIATION OF M-90 SERIES MILESTONES PER M-90-13	
M-90-09-T01	COMPLETE ILAW DISPOSAL FACILITY DETAILED DESIGN	<del>2/30/2004</del> 6/30/2005*3
	*3 - COMPLETE THE RENEGOTIATION OF M-90 SERIES MILESTONES PER M-90-13	
M-90-10	INITIATE PLACEMENT OF ILAW WASTE CANISTERS IN ILAW DISPOSAL FACILITY	<del>1/31/2007</del> 12/31/2008*3
	(LOW ACTIVITY WASTE PACKAGES PLACED WITHIN THESE FACILITIES WILL BE RETRIEVABLE).	
	*3 - COMPLETE THE RENEGOTIATION OF M-90 SERIES MILESTONES PER M-90-13	
M-90-11	COMPLETE CANISTER STORAGE FACILITY CONSTRUCTION	<del>2/01/2007</del> 12/31/2008*3
	COMPLETION OF THIS MILESTONE REQUIRES THE COMPLETION OF ALL CONSTRUCTION, INTERNAL/EXTERNAL FACILITY(S) MODIFICATION AND STARTUP ACTIVITIES NECESSARY FOR CANNISTER STORAGE FACILITY RECEIPT OF ALL PHASE I HANFORD SITE HIGH LEVEL WASTE CANISTERS FROM TANK WASTE	

REMEDATION SYSTEM (TWRS) PROCESSING. FOR PURPOSES OF THIS INTERIM MILESTONE PHASE I IHLW CANISTER STORAGE OF AT LEAST 600 IHLW CANISTERS. INTERIM MILESTONES AND ASSOCIATED TARGET DATES ESTABLISHING WORK SCHEDULES FOR PHASE II IHLW CANISTER STORAGE WILL BE ESTABLISHED PURSUANT TO THE PHASE II REQUEST FOR PROPOSAL FOR TWRS PRIVATIZATION.

\*3 - COMPLETE THE RENEGOTIATION OF M-90 SERIES MILESTONES PER M-90-13

M-20-56 SUBMIT CANISTER STORAGE FACILITY PART B DANGEROUS WASTE PERMIT APPLICATION TO ECOLOGY 6/30/2002

\*3 - COMPLETE THE RENEGOTIATION OF M-20 SERIES MILESTONES PER M-90-13

M-20-57 SUBMIT ILAW DISPOSAL FACILITY CERTIFIED PART B PERMIT APPLICATION TO ECOLOGY 8/31/2002

\*3 - COMPLETE THE RENEGOTIATION OF M-20 SERIES MILESTONES PER M-90-13

M-90-13 COMPLETE THE RENEGOTIATION OF M-90-08, M-90-09-T01, M-90-10, M-90-11, M-20-56 & M-20-57 MILESTONES 12/15/2001

THE PARTIES WILL REVISE OR CONFIRM MILESTONE COMPLETION DATES. REVISION IF NECESSARY SHALL BE CONSISTENT WITH HOT COMMISSIONING BY DECEMBER 2007 AND COMPLETION OF PHASE 1 TREATMENT BY FEBRUARY 2018.

Attachment 2  
DOE's Response to Reference 2

1. **(i) Is DOE proposing that this CR be approved in the near term as an agreement to negotiate (per DOE's M-62-13 and M-90-13)? (ii) Is it an initial DOE proposal for specific modifications to be considered by the negotiators? Or (iii) Is DOE proposing that its specific changes (e.g., revised due dates) be approved at the onset of negotiations?**

DOE is proposing that this change package be signed in the near term. DOE-ORP will miss M-62-06 Start of Construction. This change package reflects our recovery plan for M-62-06 and the associated milestones that resulted from termination of the BNFL privatization contract, and the need to advertise, and award a new contract for a Government-Owned, Contractor-Operated (GOCO) facility. The CR requests the parties to consider a renegotiation (revise or confirm milestone completion dates) per Interim Milestones M-62-13, M-62-14 and M-90-13 in which we propose to have revised dates in place to support the public comment process.

2. **If the latter is true, what would the objective of negotiations be: a) prior to June 30, 2001, and b) prior to December 31, 2001?**

This change package represents the DOE recovery plan to address missing M-62-06 Start of Construction. The goal of the December 15, 2001, dates was to set a firm date by which DOE and Ecology would commit to have the integrated baseline dates to replace the unknown dates represented by the "To Be Determined". The schedule December date represents when we expect to have tentative agreement and not a date in which we would be through the public comment period.

3. **Should the State agree to negotiations and agreement not be reached by the completion date(s), what issue resolution process does DOE proposed would apply?**

If agreement is not reached, the Dispute Resolution (Article XXVI) under the Tri-Party Agreement would be followed.

4. **I found it unclear what DOE means by the acronym TBD (to be determined) at DOE proposed milestone M-62-06. (i) Is DOE proposing that the July start of construction requirements be struck at the onset of negotiations? Or, (b) Does this TBD mean to be determined by June 30, 2001?**

DOE proposes to strike the July start of construction date at the onset of negotiations. This change is necessary due to the termination of BNFL privatization contract and the need to advertise and award a new contract for a GOCO facility and allowed per provisions of the Tri-Party Agreement change control process submitted in Reference 3. The baseline from BNI was delivered April 15, 2001. There was insufficient time between April 15 and May 2, 2001 (the timeframe under Article VIII.F to submit Reference 3) to evaluate the schedule. May 15, 2001, the due date for the CHG baseline submittal, we expect discussions to begin between ORP and Ecology to evaluate the baseline impacts. We expect it will take some time to fully understand the technical and budget issues associated with those changes before final dates can be selected.

**5. Under DOE's CR when would specific construction progress requirements be established?**

Construction progress milestones would be established by December 15, 2001, however, this date will not address public comment timing requirements.

**6. Why does DOE repeat its proposed "revise or confirm construction progress milestone due dates" language at three (3) locations?**

For work scope covered by different contracts and due to the impact on all the milestones DOE has attempted to put milestones in each package (M-62, M-45, M-20 and M-90) to keep negotiations on schedule. DOE has added in milestones for December 15, 2001 to address changes in the integrated baseline after CH2M HILL Hanford Group, Inc. completes their baseline alignment to address WTP requirements.

**7. Why has DOE proposed that pretreatment and Immobilized Low-Activity Waste vitrification processes achieve sustained throughput no later than April of 2011, when its plans call for steady state operations by December 2009?**

As stated in previous meetings and documented within the last several Project Managers Meetings, the difference is linked to the change in contracting methods for WTP activities. The critical endpoints for start of hot commissioning and completion of Phase I treatment services remain unchanged. ORP has committed to the completion of hot commissioning for the Pretreatment and Low Activity Waste Vitrification facilities by December 31, 2009, per the Final Determination. It is only the High Level Waste Vitrification facility that requires the extended 13-month schedule to April 30, 2011.

**8. DOE's language proposing modification of M-45-00C is somewhat difficult to understand. Is DOE proposing that the State tentatively agree to these modifications now (at the onset of negotiations)? Or is DOE proposing that potential modification of this footnote be the subject of negotiations under its M-62-13?**

DOE is proposing that the state agree to the modifications suggested to M-45-00C as written. No other modifications are planned for this milestone at this point in time. M-62-13 does not apply to M-45 series milestones.

**9. If DOE is proposing that the M-90 series be renegotiated per its proposed M-90-13, why is it proposing dates at this time? Is DOE proposing that the State agree to these milestones at the onset of negotiations?**

Yes. M-90 milestones need to be renegotiated (i.e. confirmed or changed) per M-90-13. It is understood that these facilities are not required by the dates stated within the Tri-Party Agreement. The dates proposed will allow the Office of River Protection to renegotiate these milestones in alignment with an updated River Protection Project (RPP) baseline, which is based on critical path schedules. The negotiation schedule, as outlined, will allow us to maintain compliance with the Tri-Party Agreement.

**10. DOE's CR does not meet the Tri-Party Agreement requirements including those at Action Plan Section 12.3.2, e.g., (i) At M-62-06 it does not specify the length of extension requested, (ii) DOE has not described the specific good cause for extension sought for each proposed extension, and (iii) DOE**

**has not listed each and every deadline or schedule that would be effected if the extension were granted.**

In accordance with Section 12.3.2 of the Action Plan, we hereby submit the following information:

Milestone(s) Affected: M-62-06.

Length of Extension Sought: DOE is unable to state the length of the extension needed because (1) this date was predicated on the BNFL privatization contract proceeding as planned; (2) since that contract was terminated, the Federal procurement process required to award a new contract consumed eight months that would otherwise have been used in preparing for start of construction; (3) after award of the new contract, the new contractor needs adequate time to develop its proposed performance schedule for DOE review and possible negotiation. BNI submitted its proposed schedule on April 15, 2001 and it is now under review. With respect to related milestones (described below) affected by the Start of Construction date, in order to coordinate the efforts of the WTP and Tank Farm Operations contractors, both of their schedules must be integrated; as mentioned in Reference 1, CHG is required to submit its first integration of both schedules on May 15 and a final integration by September 30, 2001. Consequently, any estimated length of extension would be purely speculative at this point and would not be based on sound understanding, planning, and technical analysis of the baseline. This assumes that funding is available to support the existing contracts in FY 2002 and 2003.

Good Cause for the Extension Sought: These events constitute good cause for extension under: Article XLVII, paragraph 145.G, insufficiency of appropriated funds - because of the unacceptably high and unfunded cost of the privatization proposal that caused DOE to terminate that contract; Article XLVII, Force Majeure, paragraph 145F, delays caused by compliance with applicable statutes or regulations governing contracting, procurement or acquisition procedures, despite the exercise of reasonable diligence - this resulted from the need to issue and award a new contract to design, build, and commission the WTP, consuming time that would otherwise have been used to prepare for start of construction; and, in the alternative, Article XL, paragraph E, any other series of events mutually agreed to by the Parties as constituting good cause.

Related Milestones that may be affected if the change is granted:

Milestones 62-07, 62-10, 62-11, M-20-56, 20-57, M-90-08, 10, 11 and M-45-00C are all impacted by the Start of Construction. The changes to the M-20 and M-90 milestones are related to when facilities for storage and disposal of vitrified waste will be needed.

**11. Energy's change request covers milestones in three separate series (M-62; M-45; and M-90). Consequently, shouldn't these have been set forth in separate change requests?**

The CR was written to align the ORP baseline to our regulatory commitments. DOE agreed and submitted three separate change packages and will do so on the dates described in the proposed new Milestones M-62-13 and 14 and M-90-13.

**12. DOE lists several purported "good cause" bases for extension. However, DOE does not explain its rationales as to why it believes proposed modifications satisfy the good cause criteria, nor has DOE even distinguished between the different milestones in terms of which criteria apply. This information is a necessary prerequisite to Ecology consideration of the substantial revisions to the compliance schedule proposed by DOE. We ask that DOE carefully review the good cause provisions it believes apply, and provide Ecology with detailed written explanations as to the basis for DOE's belief as to each milestone change proposed.**

DOE is asking for Good Cause extension under: Article XLVII, paragraph 145.G, insufficiency of appropriated funds - because of the unacceptably high and unfunded cost of the privatization proposal that caused DOE to terminate that contract; Article XLVII, Force Majeure, paragraph 145F, delays caused by compliance with applicable statutes or regulations governing contracting, procurement or acquisition procedures, despite the exercise of reasonable diligence - this resulted from the need to issue and award a new contract to design, build, and commission the WTP, consuming time that would otherwise have been used to prepare for start of construction; and, in the alternative, Article XL, paragraph E, any other series of events mutually agreed to by the Parties as constituting good cause.

**13. I also note that provisions that the parties typically delineate within an Agreement In Principle are not addressed within DOE's draft proposal, e.g., what public involvement is DOE proposing the parties agree to undertake? Is DOE proposing that the parties agree to negotiate by approval of its proposed CR or does DOE expect that a separate document will serve that function?**

DOE submitted an Agreement in Principle with the change to the major milestone M-45-00C submittal. We submitted a signed change package for the M-62, 20 and 90 milestones. DOE supports public comment and is willing to work with Ecology in determining the appropriate timing and level of involvement.

# ATTACHMENT 3



U.S. Department of Energy  
**Office of River Protection**

P.O. Box 450  
Richland, Washington 99352

MAY 17 2001

01-AMIC-135

Ms. M. P. DeLozier, President  
and General Manager  
CH2M HILL Hanford Group, Inc.  
Richland, Washington 99352

Dear Ms. DeLozier:

CONTRACT NO. DE-AC27-99RL14047 – APPROVAL OF BASELINE CHANGE REQUEST  
(BCR) RPP-01-081 AS AMENDED

- References:
1. CHG letter from R. F. Wood to J. J. Short, ORP, "River Protection Project Baseline Change Request RPP-01-081, Rev. 0, 'CH2M HILL Hanford Group, Inc. Contract Extension Scope Deferral,'" CHG-0101774, dated March 26, 2001.
  2. CHG letter from R. F. Wood to J. J. Short, ORP, "River Protection Project Baseline Change Request RPP-01-081, Rev. 0, 'CH2M HILL Hanford Group, Inc. Contract Extension Scope Deferral,'" CHG-0101774, R1, dated May 10, 2001.

In response to References 1 and 2, the subject BCR that implements the CH2M HILL Hanford Group, Inc. contract extension scope deferrals is approved as amended (Attached). A summary of amendments is as follows:

- Project W-525 designation replaced with *Task W-YYY* to clarify the associated Fiscal Year 2001/2002 work scope is for scoping/Critical Decision 0 activities in preparation to start conceptual design.
- Key Planning Assumptions removed from BCR. Assumptions will be addressed under separate cover letter with a focus maintained on the September 2001 River Protection Project Integrated Baseline.

If you have any questions, please contact Lina Pacheco of the Program Office,  
(509) 376-3114.

Sincerely,

  
Judith S. O'Connor  
Contracting Officer

PGO:CRP

Attachment

cc w/attach:  
T. Taylor, CHG  
M. W. Rosenberry, CHG w/original attachment

CHG-0101774

Enclosure I

RPP BASELINE CHANGE REQUEST RPP-01-081, REV. 0  
CHG CONTRACT EXTENSION SCOPE DEFERRAL

Consisting of <sup>5</sup>~~6~~ Attachments

**Baseline Change Request (BCR)  
River Protection Project (RPP)**

<b>1. BCR Title:</b> CHG Contract Extension Scope Deferral	<b>2. BCR Number/Revision:</b> RPP-01-081; Rev. 0	<b>3. Date:</b> March 8, 2001
<b>4. Points of Contact:</b> CHG Originator: J. E. Van Beek CHG Project Control Contact: R. L. Nelson CHG Project Manager: M. A. Payne DOE-ORP Contact: P. T. Furlong		<b>5. BCR Classification:</b> Level 0 <input type="checkbox"/> Level 1 <input checked="" type="checkbox"/> Level 2 <input type="checkbox"/> Level 3 <input type="checkbox"/>
<b>6. Directed Change:</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, when did CHG Correspondence Control receive the direction from ORP? 1/17/01 Contract Extension DE-AC27-99RL14047	<b>7. Baseline Impacts:</b> Performance Incentives affected? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> RPP P3 Integrated Baseline Change: Schedule Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Milestones Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Budget (BCWS) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> More than one fiscal year affected? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> WTP budget, schedule, work scope, or interfaces affected? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
<b>8. Description of Change (narrative dollars are escalated):</b> This BCR revises the RPP baseline to reflect changes required by the CHG contract extension issued by ORP on 1/17/01, including reduction of the FY2001-FY2006 Budgeted Cost of Work Scheduled (BCWS) by \$165.9 million. Specific changes to the baseline are discussed below.  Portions of construction projects W-211, W-521, and W-464, and <del>W-225 (Tank II-Y)</del> scope are deferred to reduce the overall BCWS for the CHG effort during FY2001-FY2006 by \$153.2 million. Float in the existing projects schedules has been reduced and Waste Treatment Plant hot commissioning production quantities have been factored in to the revised construction projects schedules. As shown in Attachment 1, <i>Tank Farm Contractor, Initial Quantity, WFD Mission Summary Case CHG Contract Extension (Mission Summary Diagram)</i> , these projects continue to support delivery of feed to the WTP and receipt of immobilized waste from the WTP. In addition to the construction project deferrals, schedules for Projects W-211 and W-521 are revised to adjust the level of detail in the performance measurement baseline to that appropriate for use as a management tool <u>employing the general guidance that discrete non-turnkey activities in the schedule for the current and succeeding two fiscal years are of two weeks to three months in duration. Further detail of the "Infrastructure Construction" and "Equipment Procurement" activities in the Project W-211 schedule will be included in a BCR submitted in May 2001. A similar level of detail in the schedule for Project W-314 in FY2001 will be addressed in BCR RPP-01-026 and for remainder of Project W-314 in a separate BCR submitted in July 2001. These and other construction project schedules will be revised /developed by 9/1/01 to provide a consistent level of detail meeting CHG Earned Value Management System guidance.</u>  This BCR also defers \$16.4 million of scope from DST Waste Retrieval and Characterization during the FY2001-FY2006 timeframe to reflect the rescheduling of construction projects supported by the DST Waste Retrieval and Characterization accounts. Tasks deferred in these accounts associated with the W-211 and W-521 retrieval systems include: retrieval system startup, readiness preparation, maintenance, and operation; lab upgrades; feed delivery; and waste sampling/analysis.  Additionally, the BCR implements the contract negotiations agreement to accelerate Project W-520 construction such that ILAW disposal capability is available at the time the WTP is required to start hot commissioning on 12/31/07 <u>(supported by predecessor performance incentive super stretch goal)</u> . Early completion of Project W-520 increases the FY2001-FY2006 BCWS by \$5 million.  The CHG schedule is modified by this BCR to include approximately 160 deliverables required by the 26 Performance Based Incentives (PIs) included in Table D-1 of the CHG contract. The deliverables are listed in Attachment 2. <u>Superstretch PIs, numbered ORP-14, 17, 18, 20, 22, and 23, are included in the schedule but are subject to final negotiations prior to authorization</u>		

## Baseline Change Request (BCR) River Protection Project (RPP)

to proceed with the work. Deliverable ORP-09-7, *5-Year Update to the LCAM Baseline Assessments*, is a task not in the existing schedule and is being added by this BCR, with an associated BCWS of \$0.1 million in FY2006.

The final BCWS modification accomplished by this BCR is reduction of the Fee amount in the schedule to that shown in Section C, *Technical Exhibit A* of the CHG contract. BCWS associated with Fee is reduced by \$1.4 million over the contract period.

Together, the above modifications reduce the overall CHG BCWS in the P3 resource-loaded schedule to equal the total BCWS of \$2,494,612,000 included in Section C, *Technical Exhibit A* of the CHG contract. Detailed planning by the affected projects to implement the changes driven by the CHG contract extension resulted in a redistribution of BCWS across the FY2001-FY2006 timeframe while maintaining the \$2,494,612,000 total. A revised *Technical Exhibit A* is included as Attachment 5. Workscope deferred by this BCR increases BCWS after FY2006. Minor BCWS changes occur in FY2007 and FY2008, with the bulk of the increases occurring in FY2009 (nearly \$50 million), FY2010 (approximately \$40 million) and FY2011 (approximately \$20 million).

Specific changes accomplished by this BCR are as follows:

### Project W-211

- Defer construction of the AP-102 and AP-104 retrieval systems by approximately 21 months, completing in FY2010.
- Defer construction of the AN-102 retrieval system by approximately three months, completing in FY2009.
- Defer construction of the AN-104 retrieval system by approximately 27 months, completing in FY2008.
- Defer \$22.2 million of FY2001-FY2006 BCWS.

### Project W-521

- Defer design and construction of the AY-102 retrieval system by approximately 27 months, with construction completing in FY2010.
- Defer design and construction of the AY-101 retrieval system by approximately 27 months, with construction completing in FY2011.
- Defer design and construction of the SY-102 retrieval system by approximately 21 months, with construction completing in FY2011.
- Defer design and construction of AW Tank Farm upgrades by approximately 78 months, with construction completing in FY2010.
- Defer design and construction of SY Tank Farm upgrades by approximately 48 months, with construction completing in FY2008.
- Remove double-escalation and ICE identified excesses from the baseline resource-loaded schedule.
- Defer \$104.2 million of FY2001-FY2006 BCWS.

### Project W-520

- Accelerate construction of the immobilized low-activity waste trench by approximately three months, completing in FY2007.
- Accelerate \$5.0 million of BCWS into FY2001-FY2006.

### Project W-464

- Defer construction completion of the immobilized high-level waste storage facility by approximately nine months, completing in FY2007 (*In support of establishing a revised RPP Integrated schedule by September 2001, predecessor activities to TPA milestones within the M-90, M-20, and M-62 series will require reevaluation once the WTP contractor provides an evaluation of programmatic schedules by 4/15/01. Results of the reevaluation will be incorporated, if necessary in the 9/1/01 RPP baseline revision.*)
- Defer \$21.2 million of FY2001-FY2006 BCWS.

### Project ~~W-525~~ - 11-111

- Redistribute a portion of FY2006 BCWS to FY2001/2002 for *supporting activities in preparation of conceptual design (Critical*

## Baseline Change Request (BCR) River Protection Project (RPP)

### Decision On: Designation of funding type, Expense vs. Fee-Item, including validation of proposed project

- Defer construction of tank farm upgrades by approximately one year, completing in FY2007.
- Defer \$5.6 million of FY2001-FY2006 BCWS.

### DST Waste Retrieval and Characterization

- Defer tasks, such as startup, maintenance, and sampling associated with the above Project W-211 and Project W-521 retrieval system deferrals.
- Defer \$16.4 million of FY2001-FY2006 BCWS.

### Life-Cycle Asset Management

- Add preparation of LCAM Baseline Assessments 5-Year Update in FY2006 as required by Performance Incentive ORP-09.
- Increase FY2006 BCWS by \$0.1 million.

### Fee

- Reduce fee to the amount shown in Section C, Technical Exhibit A.
- Reduce FY2001-FY2006 BCWS by \$1.4 million.

The revised schedule resulting from the above changes, reflecting the overall BCWS reduction of \$165.9 million, is included as Attachment 3, *Expanded Management Summary Schedule (EMSS)*, as required by Section C.2(a)(2)(ix) of the CHG contract. The EMSS integrates milestone dates from the WTP contract, Section F.1, and updates the WTP processing portion of the schedule to reflect the treatment capacity requirements of the WTP contract, Section C.7(b). The EMSS promotes an understanding of the logical sequence of major activities and identifies interfaces between performing organizations.

Until more definitive data is received from the WTP contractor, the schedule is constructed using conservative processing durations from a DST retrieval systems and immobilized waste storage/disposal facilities viewpoint. The WTP processing durations assume optimistic waste loading values and do not include sodium quantities from HLW pretreatment. More realistic processing durations determined by the April 15, 2001, WTP schedule or a CHG/WTP integrated flow sheet developed later this calendar year will likely provide additional float in the CHG portion of the schedule and should provide flexibility in meeting accelerated hot commissioning completion schedules if proposed by the WTP contractor.

The Primavera Project Planner (P3) resource-loaded schedule equivalent of the EMSS, the *Integrated Mission Schedule (IMS)*, has been captured on electronic media and is provided in Attachment 4 as the revised RPP baseline. The P3 IMS and companion EMSS provide the foundation for identification of any issues expected by integration of the design, construction, and commissioning schedule for the Hanford Tank Waste Treatment and Immobilization Plant submitted by the WTP contractor on April 15, 2001. Identification of integration issues is required by May 15, 2001, with full integration of the WTP construction and operations schedules into the RPP baseline, including resolution of any logic flaws, required to be completed by September 1, 2001.

~~Approved by the RPP-01-081 Class I Board on 5-14-01 REV 1a with ORP comments~~

## Baseline Change Request (BCR) River Protection Project (RPP)

### 9. Scope Impact:

Added: Preparation of LCAM Baseline Assessments 5-Year Update in FY2006. Project ~~W-525~~ W-525 Key Decision 0 and conceptual design.

Deleted: \$1.4 million of fee.

Accelerated: Project W-520 construction completion.

Deferred: Project W-211 retrieval systems for tanks AP-102/104, AN-102 and AN-104. Project W-464 and W-525 construction completion. Project W-521 retrieval systems for tanks AY-101, AY-102 and SY-102. Project W-521 upgrades to AW and SY tank farms. DST Waste Retrieval and Characterization scope associated with the construction project deferrals.

Carryover: None

Transferred: None

Reference Estimate Revision: None

### 10. Benefit Derived From This Change/Risk Reduction:

This BCR aligns the RPP baseline with the scope, cost, and schedule elements of the CHG contract extension issued by ORP on 1/17/01. Critical paths to four key milestones, 1) first LAW transfer, 2) first HLW transfer, 3) ready to accept ILAW, and 4) ready to accept IHLW, are not adversely impacted by the revised schedule except that approximately one month of float in the AP Farm startup, testing, and turnover activities associated with the first HLW transfer has been eliminated. An analysis of the following Interface Control Documents between CHG and the WTP contractor with potential impact from BCR RPP-01-081 were reviewed and determined to be unaffected by the BCR: ICDs-14, 15, 16, 19, and 20.

Changes to critical ICD Milestones Series M-20, M-17, M-6, and M-30 predecessor activities, as discussed in Section 8, and Attachment 5 are in accordance with contract negotiated dates.

This BCR aligns the RPP baseline with future vitrification operations based on WTP contract milestone dates and treatment capacity requirements. This BCR revises the RPP baseline to provide a solid foundation on which to identify integration issues with the WTP design, construction, and commissioning schedule by 5/15/01 and to accomplish full integration of the CHG and WTP schedules by 9/1/01.

Attachment 1, *Mission Summary Diagram*, depicts the ability of the DST retrieval system construction projects and the storage/disposal construction projects to be completed in time to support planned WTP operations with acceptable schedule risk, although renegotiation of Project W-464 TPA milestones may be required as discussed in Section 8. The AY-102 retrieval system is completed just-in-time to support planned processing, without any schedule contingency. Risk analysis for the 9/1/01 revision to the RPP baseline may result in the desire to modify the AY-102 system's planned construction timing or duration to provide float in the schedule.

Acceleration of the W-520 construction schedule will result in the ability to accept ILAW containers for disposal coincident with the start of WTP hot commissioning, eliminating risk in the previous schedule related to the need to temporarily store ILAW containers in the WTP awaiting completion of Project W-520 disposal facilities.

**Baseline Change Request (BCR)  
River Protection Project (RPP)**

<b>11. Change to Project Cost Baseline (dollars in thousands):</b>									
<b>Cost Baseline Impacts at WBS Level 4</b>	<b>FY 2001 Baseline Change</b>	<b>FY 2002 Baseline Change</b>	<b>FY 2003 Baseline Change</b>	<b>FY 2004 Baseline Change</b>	<b>FY 2005 Baseline Change</b>	<b>FY 2006 Baseline Change</b>	<b>FY01-FY06 Sub Total</b>	<b>FY07-FY65 Sub Total</b>	<b>Total</b>
1.1.1.2	\$0	\$0	\$0	\$0	(\$2,735)	\$1,602	(\$1,133)	\$1,133	\$0
1.1.3.2	\$0	\$0	\$0	\$0	\$0	\$99	\$99	\$0	\$99
1.1.4.2	(\$1,134)	(\$22,550)	(\$18,040)	(\$21,845)	(\$25,136)	(\$46,703)	(\$135,408)	\$61,836	(\$73,572)
1.1.9.5	\$0	\$81	(\$2,698)	(\$14,706)	(\$15,844)	\$17,607	(\$15,560)	\$15,469	(\$91)
1.1.10.3	\$1,261	\$877	(\$985)	(\$1,562)	(\$730)	(\$86)	(\$1,225)	\$0	(\$1,225)
<b>Sub Total</b>	<b>\$127</b>	<b>(\$21,592)</b>	<b>(\$21,723)</b>	<b>(\$38,113)</b>	<b>(\$44,445)</b>	<b>(\$27,481)</b>	<b>(\$153,227)</b>	<b>\$78,438</b>	<b>(\$74,789)</b>
<b>Escalation</b>	<b>\$0</b>	<b>(\$523)</b>	<b>(\$1,050)</b>	<b>(\$2,781)</b>	<b>(\$4,379)</b>	<b>(\$3,892)</b>	<b>(\$12,625)</b>	<b>\$22,339</b>	<b>\$9,714</b>
<b>Total</b>	<b>\$127</b>	<b>(\$22,115)</b>	<b>(\$22,773)</b>	<b>(\$40,894)</b>	<b>(\$48,824)</b>	<b>(\$31,373)</b>	<b>(\$165,852)</b>	<b>\$100,777</b>	<b>(\$65,075)</b>



BCR RPP-01-081

Attachment 1

Tank Farm Contractor, Initial Quantity,  
WFD Mission Summary  
Case CHG Contract Extension

BCR RPP-01-081

Attachment 2

Performance Based Incentives Listing

## Performance Based Incentives

<u>PBI #</u>	<u>TITLE</u>	<u>Due Date</u>
ORP2.1.3S	ORP2.1.3S SY-101 Advanced Preparation complete	
ORP 2.1.3.S-A	ORP 2.1.3.S-A Compl Dsn SY-101 to X-Site Xfr Sys	09/30/00
ORP 2.1.3.S-B	ORP 2.1.3.S-C SY-101 X-Site Xfr Connect in Srvc	11/15/00
ORP 2.1.3.S-C	ORP 2.1.3.S-B Submit Rpt-Remove From Watch List	09/30/01
ORP-01-1.a.a	ORP-01-1.a.a ATP for Pit AY-02A complete	09/30/01
ORP-01-1.a.b	ORP-01-1.a.b Line SN-633 backfill complete	09/30/01
ORP-01-1.a.c	ORP-01-1.a.c OTP SY annulas Vent Exhstr complete	09/30/01
ORP-01-1.b	ORP-01-1.b Pit's AW-A & B construction complete	09/30/01
ORP-01-1.c	ORP-01-1.c Pit AZ-01A/02A upgrds & bckfill compl	09/30/01
ORP-01-2.a	ORP-01-2.a Mast Pmp Shutdown Sys Install complet	09/30/02
ORP-01-2.b	ORP-01-2.b AZ vlv pit, lines, & ATPs complete	09/30/02
ORP-01-3.a	ORP-01-3.a AZ Valve Pit & Tansfer Line complete	09/30/03
ORP-01-3.b	ORP-01-3.b AY Valve Pit & Tansfer Line complete	09/30/03
ORP-01-3.c	ORP-01-3.c AN TF Upgrade construction complete	09/30/03
ORP-01-4.a	ORP-01-4.a AP TF Upgrade (Elect/I&C/Pit) complet	09/30/04
ORP-01-4.b	ORP-01-4.b AP TF Upgrades (Vent System) complete	09/30/04
ORP-01-5	ORP-01-5 W-314 Project complete	06/30/05
ORP-02-1	ORP-02-1 AZ-101 Title II design complete	09/30/01
ORP-02-2	ORP-02-2 TFC/WTP Title II (Interfc-Point) compl	09/30/01
ORP-02-3	ORP-02-3 AP271/AZ-156 mods & AN caustic complete	05/16/01
ORP-02-4	ORP-02-4 AZ-101 retrvl sys proc & const complete	09/30/04
ORP-02-5	ORP-02-5 AN-101 retrieval construction complete	09/30/05
ORP-02-6	ORP-02-6 AP to WTP transf lines/pit mods complt	09/30/06
ORP-03-1	ORP-03-1 W-464 Prj Pln/DRD/Award Pre-Dsgn compl	07/02/01
ORP-03-2	ORP-03-2 W-464 Part B permit App Rev. 0 to ORP	05/30/02
ORP-03-3	ORP-03-3 W-464 CSB FSAR PSAR & SARP submtd 2 ORP	09/30/02
ORP-03-4	ORP-03-4 Project W-464 Design complete	07/31/04
ORP-03-5	ORP-03-5 Shielded Cnstr Transport design complet	12/31/05
ORP-03-6	ORP-03-6 CSB annex const compl with CSB except	09/30/06
ORP-04-01	ORP-04-01 Draft FY2001 Perf Assessment to DOE-HQ	03/29/01
ORP-04-02	ORP-04-02 Project W-520 CDR complete	05/31/01
ORP-04-03	ORP-04-03 Borehole smpl No2 obtnd & rpt issued	09/27/01
ORP-04-04	ORP-04-04 W-520 Part B app Rev. 0 submitted 2 ORP	07/31/02
ORP-04-05	ORP-04-05 W-520 PEP submitted to ORP	09/30/02
ORP-04-06	ORP-04-06 ILAW/HLAW melter concept report to ORP	12/31/03
ORP-04-07	ORP-04-07 Project W-520 Design complete	02/28/05
ORP-04-08	ORP-04-08 W-520 PSAR, SARP submitted to ORP	03/31/05
ORP-04-09	ORP-04-09 FY2005 Perf Assessmnt submitted to ORP	03/31/05
ORP-04-10	ORP-04-10 Project W-520 Construction started	02/28/06
ORP-05-1	ORP-05-1 Four (4) SST Tanks stabilized	09/30/01
ORP-05-2.a	ORP-05-2.a Pumping of A-101 initiated	02/12/01
ORP-05-2.b	ORP-05-2.b Pumping of AX-101 initiated	03/30/01
ORP-05-3	ORP-05-3 Pumping all SSTs initiated except C-103	09/30/02
ORP-05-4	ORP-05-4 IS SST's complete except for C-103	09/30/03
ORP-05-5	ORP-05-5 Interim Isolation SST's complete	09/30/04
ORP-06-1	ORP-06-1 AP-101 Transfer Pump installed	09/30/04
ORP-06-2	ORP-06-2 AZ-101 certification samples obtained	09/30/05
ORP-06-3	ORP-06-3 AP-101 certification samples obtained	09/30/05
ORP-06-4	ORP-06-4 AP-101 Tansf sys preps/intg test compl	09/30/05

## Performance Based Incentives

PBI #	TITLE	Due Date
ORP-06-5	ORP-06-5 AN-101 Trnsf sys preps/intg test compl	09/30/06
ORP-06-6	ORP-06-6 AZ-101 Trnsf sys preps/intg test compl	09/30/06
ORP-07-1	ORP-07-1 Cold Test Facil acqurd/testng initiated	06/30/02
ORP-07-2	ORP-07-2 C-104 Retrieval CDR submitted to ORP	09/28/01
ORP-07-3	ORP-07-3 C-104 Functions & Requiremnts Document	04/30/01
ORP-07-4	ORP-07-4 C104 Sluicing/robotic cold demo complet	04/30/04
ORP-07-5	ORP-07-5 C-104 HH Sluicing/Tech retrv dsgn compl	07/30/04
ORP-07-6	ORP-07-6 C104 Sluicing/robotic retr const compl	07/30/06
ORP-08-1	ORP-08-1 Accept Crit transfr 242-T for D&D compl	10/30/02
ORP-08-2	ORP-08-2 244-AR vault interim stabil complete	09/30/03
ORP-08-3	ORP-08-3 244-CR vault interim stabil complete	09/30/04
ORP-08-4	ORP-08-4 Accept crit 242-T compl/TO D&D contrctr	09/30/05
ORP-09-1	ORP-09-1 DST RCM program implemented	09/30/01
ORP-09-2.a	ORP-09-2.a AW TF Cond Asses Eval Report complet	02/28/02
ORP-09-2.b	ORP-09-2.b AP TF Cond Asses Eval Report complet	02/28/02
ORP-09-2.c	ORP-09-2.c AY TF Cond Asses Eval Report complet	02/28/02
ORP-09-2.d	ORP-09-2.d SY TF Cond Asses Eval Report complet	02/28/02
ORP-09-2.e	ORP-09-2.e Critical Spares for WFD Identified	02/28/02
ORP-09-3	ORP-09-3 RCM Vent Sys Prog implemented in DST	09/30/03
ORP-09-4	ORP-09-4 Pred Maint Prgm DST vent sys implemnted	06/30/03
ORP-09-5	ORP-09-5 MEL update & O&M strategy doc to ORP	12/31/04
ORP-09-6	ORP-09-6 C Farm upgrades for C-104 retrvl compl	07/30/06
ORP-09-7	ORP-09-7 LCAM BL assesmnts 5 year update complet	06/30/06
ORP-10-1.a	ORP-10-1.a AdmOrd PKW-1250/1251 Sec 5 rpt 2 ORP	11/16/00
ORP-10-1.b	ORP-10-1.b AdmOrd PKW-1250/1251 Sec 6 rpt 2 ORP	06/18/01
ORP-10-1.c	ORP-10-1.c AdmOrd PKW-1250/1251 Sec 7 rpt 2 ORP	08/30/01
ORP-10-2	ORP-10-2 DST IA Project Plan submitted to ORP	11/30/00
ORP-10-3.a	ORP-10-3.a AdmOrd PKW-1250/1251 Sec 8 rpt 2 ORP	08/30/02
ORP-10-3.b	ORP-10-3.b AdmOrd PKW-1250/1251 Sec 9 rpt 2 ORP	08/30/03
ORP-10-3.c	ORP-10-3.c AdmOrd PKW-1250/1251 Sec10 rpt 2 ORP	08/30/04
ORP-10-3.d	ORP-10-3.d AdmOrd PKW-1250/1251 Sec 11 rpt 2 ORP	08/30/05
ORP-10-3.e	ORP-10-3.e AdmOrd PKW-1250/1251 Sec 13 rpt 2 ORP	08/30/06
ORP-10-3.f	ORP-10-3.f AdmOrd PKW-1250/1251 Sec 12 rpt 2 ORP	02/28/06
ORP-11-1	ORP-11-1 242-T Life Ext Study/Eval report to ORP	09/30/03
ORP-11-2	ORP-11-2 242-T LC exts const/accept test complet	09/30/05
ORP-12-1	ORP-12-1 10 cores/14 grabs/ 6 Typ IV Vaprs compl	09/30/01
ORP-12-2	ORP-12-2 Anlys Rpts 2 core/12 grab/6 Vapr compl	09/30/01
ORP-12-3.1	ORP-12-3.1 Draft Tech Samp Basis WIRD doc compl	06/15/01
ORP-12-3.2	ORP-12-3.2 Final Tech Samp Basis WIRD doc compl	08/20/01
ORP-12-4.1	ORP-12-4.1 12 Tank Char Reports complete	09/20/01
ORP-12-4.2a	ORP-12-4.2a Deliverbles in FY01 TSB-WIRD complet	09/30/01
ORP-12-4.2b	ORP-12-4.2b ROC Docmtd in TSB-WIRD 1/4 stat rpt	10/20/01
ORP-13-01	ORP-13-01 Draft update SST Closure Plan to ORP	08/30/01
ORP-13-02	ORP-13-02 Cmpl Tnk Spc Optns Rprt SST Retr 2 ORP	04/15/01
ORP-13-03.a	ORP-13-03.a Unneeded lines in WMA S-SX decommd	08/30/01
ORP-13-03.b	ORP-13-03.b WMA U Farm surf barriers/divrs const	08/30/01
ORP-13-04	ORP-13-04 Borehole Samp for WMA B-BX-BY complet	08/30/01
ORP-13-05.a	ORP-13-05.a T/TX/TY Site wrk pln addn sub 2 WEOC	03/22/01
ORP-13-05.b	ORP-13-05.b Borehole sampl for T/TX/TY complete	09/30/02

## Performance Based Incentives

<u>PBI #</u>	<u>TITLE</u>	<u>Due Date</u>
ORP-13-06	ORP-13-06 FIR for WMS B-BX-BY submitted to ORP	09/15/02
ORP-13-07	ORP-13-07 SST Closure Work Plan submitted to ORP	03/15/02
ORP-13-08	ORP-13-08 FIR for WMA T/TX-TY submitted to ORP	05/15/03
ORP-13-09	ORP-13-09 Phase 1 RFI Report submitted to ORP	01/15/04
ORP-13-10	ORP-13-10 FY04 SST Closure Plan submitted to ORP	05/30/04
ORP-13-11	ORP-13-11 FY06 SST Closure Plan submitted to ORP	05/30/06
ORP-14-1	ORP-14-1 S-102 F&R document submitted to ORP	08/31/02
ORP-14-2	ORP-14-2 S-102 retrvl equip/sys proc cntrct award	09/30/03
ORP-14-3	ORP-14-3 S-102 retrieval project design complete	01/31/04
ORP-14-4	ORP-14-4 S-102 initial WR Proj const complete	09/30/05
ORP-14-5	ORP-14-5 S-102 initial wst retrieval complete	07/31/06
ORP-15-1.1	ORP-15-1.1 RPP BL TFC contr extn mods complete	05/15/01
ORP-15-1.2	ORP-15-1.2 RPP BL WTP contract ext mods complete	09/30/01
ORP-15-1.3.a	ORP-15-1.3.a FY02 TFC BL & WTP intg pckg to ORP	03/01/02
ORP-15-1.3.b	ORP-15-1.3.b FY03 TFC BL & WTP intg pckg to ORP	03/01/03
ORP-15-1.3.c	ORP-15-1.3.c FY04 TFC BL & WTP intg pckg to ORP	03/01/04
ORP-15-1.3.d	ORP-15-1.3.d FY05 TFC BL & WTP intg pckg to ORP	03/01/05
ORP-15-1.3.e	ORP-15-1.3.e FY06 TFC BL & WTP intg pckg to ORP	03/01/06
ORP-15-1.4a	ORP-15-1.4a FY03 TFC Fund Reqts by PBS to ORP	12/15/01
ORP-15-1.4b	ORP-15-1.4b FY04 TFC Fund Reqts by PBS to ORP	12/15/02
ORP-15-1.4c	ORP-15-1.4c FY05 TFC Fund Reqts by PBS to ORP	12/15/03
ORP-15-1.4d	ORP-15-1.4d FY06 TFC Fund Reqts by PBS to ORP	12/15/04
ORP-15-1.4e	ORP-15-1.4e FY07 TFC Fund Reqts by PBS to ORP	12/15/05
ORP-17-01	ORP-17-01 Evaporator Condenser Replacmnt complet	09/30/06
ORP-17-02	ORP-17-02 AY/AZ Farms Tech BL Upgrades implmtd	09/30/06
ORP-17-03	ORP-17-03 FSAR Crswlk Closure/Tracking complete	09/30/06
ORP-17-04	ORP-17-04 LLCE Deployment complete	09/30/06
ORP-17-05	ORP-17-05 Resolve SST Domeload Conservatisim	09/30/06
ORP-17-06	ORP-17-06 FHA/FSAR Integration complete	09/30/06
ORP-17-07	ORP-17-07 SHMS, remove and isolate complete	09/30/06
ORP-17-08	ORP-17-08 IRM IDMS Pilot complete	09/30/06
ORP-17-09	ORP-17-09 Inactive S/SX Work complete	09/30/06
ORP-17-10	ORP-17-10 TMACS A/AZ Farms complete	09/30/06
ORP-17-11	ORP-17-11 CASS to TMACS complete	09/30/06
ORP-17-12	ORP-17-12 Reduce Contamination Zones complete	09/30/06
ORP-17-13	ORP-17-13 ENRAF - Liq Level Gauge Upgrds complet	09/30/06
ORP-17-14	ORP-17-14 Drawing Upgrades complete	09/30/06
ORP-17-15	ORP-17-15 Raw Water Totalizers complete	09/30/06
ORP-17-16	ORP-17-16 W-420 Stack Monitoring Upgrade complet	09/30/06
ORP-17-17	ORP-17-17 Elect Circuit Verif Elem Drwgs complet	09/30/06
ORP-17-18	ORP-17-18 Eval Retrvl Tech Solutions complete	09/30/06
ORP-17-19	ORP-17-19 Vadose Tech/assessmnt lateral complete	09/30/06
ORP-17-20	ORP-17-20 CPO New Spray Wash Systems complete	09/30/06
ORP-17-21	ORP-17-21 LDMM Technology Assessment complete	09/30/06
ORP-18-1	ORP-18-1 W-520 physical construction 20% complet	09/30/05
ORP-18-2	ORP-18-2 W-520 physical construction 80% complet	09/30/06
ORP-19-A	ORP-19-A Tank AY-101 Caustic specs complete	09/30/01
ORP-19-B	ORP-19-B Tank AY-102 Caustic specs complete	09/30/01
ORP-19-C	ORP-19-C Tank AN-102 Caustic specs complete	09/30/01

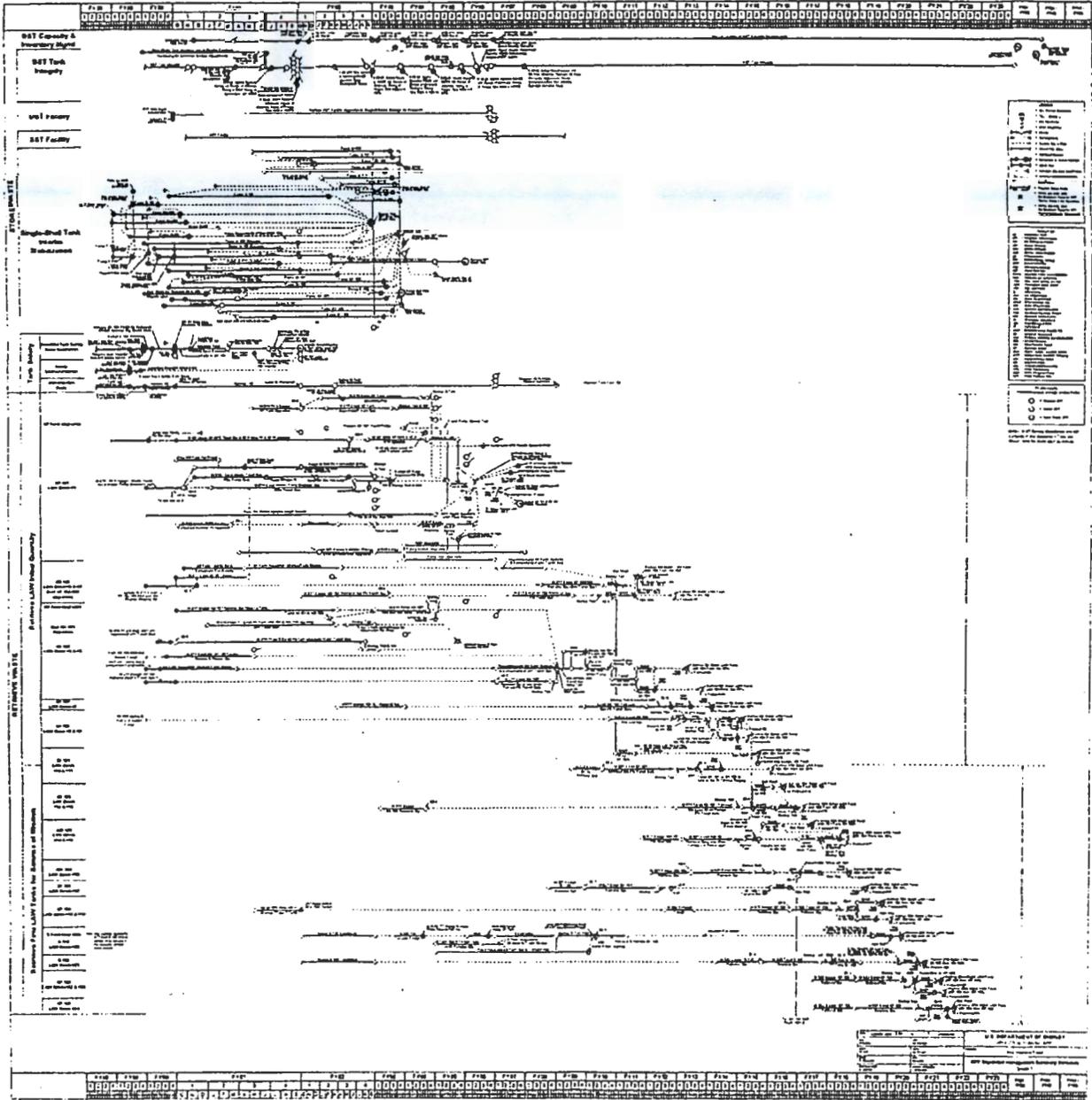
## Performance Based Incentives

<u>PBI #</u>	<u>TITLE</u>	<u>Due Date</u>
ORP-19-D	ORP-19-D Tank AN-107 Caustic specs complete	09/30/01
ORP-19-E	ORP-19-E AY-101/AZ-102 annulus mods complete	09/30/01
ORP-19-F	ORP-19-F AN-107 Tank corrosion probe replaced	09/30/01
ORP-19-G	ORP-19-G UT Test Crawler for TIA Proj procured	09/30/01
ORP-19-H	ORP-19-H DST chem surveil corrosn protec developd	09/30/01
ORP-19-I	ORP-19-I AY101/2, AN102/7 verif smplg/rpt compl	09/30/02
ORP-20-1	ORP-20-1 S-112 F&R Document submitted to ORP	11/30/01
ORP-20-2	ORP-20-2 S-112 Saltcake retrieval design complet	03/31/03
ORP-20-3	ORP-20-3 S-112 Saltcake Retrieval const complete	07/31/04
ORP-20-4	ORP-20-4 S-112 saltcake full-scale demo complete	07/31/05
ORP-22-1	ORP-22-1 W464 physical construction 20% complete	09/30/05
ORP-22-2	ORP-22-2 W464 physical construction 60% complete	09/30/06
ORP-23	ORP-23 W-525 CDR & Project Imp Plan to ORP	12/31/01
ORP3.8.2S	ORP3.8.2S AW-104 Waste Transfer complete	03/31/01
ORP8.1.2.S-C	ORP8.1.2S Project W-519 complete	08/31/01

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Attachment 3

Expanded Management Summary Schedule





		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Strategic Planning	Organizational Structure																																																																																																				
	Organizational Chart																																																																																																				
	Organizational Description																																																																																																				
	Organizational History																																																																																																				
	Organizational Mission																																																																																																				
	Organizational Vision																																																																																																				
	Organizational Values																																																																																																				
	Organizational Goals																																																																																																				
	Organizational Objectives																																																																																																				
	Organizational Performance																																																																																																				
Systems & Information Requirements	System Requirements																																																																																																				
	Information Requirements																																																																																																				
	System Architecture																																																																																																				
	System Design																																																																																																				
	System Implementation																																																																																																				
	System Maintenance																																																																																																				
	System Decommissioning																																																																																																				
	System Security																																																																																																				
	System Reliability																																																																																																				
	System Availability																																																																																																				
Resource Management	Resource Planning																																																																																																				
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	Resource Utilization																																																																																																				
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	Resource Forecasting																																																																																																				
	Resource Optimization																																																																																																				
	Resource Risk Management																																																																																																				
	Resource Compliance																																																																																																				
Project Management and Controls	Project Charter																																																																																																				
	Project Scope																																																																																																				
	Project Schedule																																																																																																				
	Project Budget																																																																																																				
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	Project Communication																																																																																																				
	Project Stakeholder																																																																																																				
	Project Governance																																																																																																				
	Project Performance																																																																																																				
Compliance	Compliance Requirements																																																																																																				
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	Compliance Improvement																																																																																																				
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Financials	Financial Planning																																																																																																				
	Financial Reporting																																																																																																				
	Financial Analysis																																																																																																				
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	Financial Risk Management																																																																																																				
	Financial Compliance																																																																																																				
	Financial Performance																																																																																																				
	Financial Sustainability																																																																																																				
	Financial Innovation																																																																																																				
	Financial Resilience																																																																																																				
Administration	Administrative Structure																																																																																																				
	Administrative Processes																																																																																																				
	Administrative Systems																																																																																																				
	Administrative Tools																																																																																																				
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	Administrative Performance																																																																																																				
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	Administrative Resilience																																																																																																				
	Administrative Sustainability																																																																																																				
	Administrative Compliance																																																																																																				
Project Summary	Project Overview																																																																																																				
	Project Objectives																																																																																																				
	Project Scope																																																																																																				
	Project Schedule																																																																																																				
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	Project Stakeholder																																																																																																				
	Project Performance																																																																																																				

**Legend**

- Start
- End
- Milestone
- Task
- Sub-task
- Activity
- Event
- Decision
- Exception
- Error
- Warning
- Information
- Note
- Comment
- Attachment
- Link
- Image
- Video
- Audio
- Document
- Spreadsheet
- Presentation
- Database
- Application
- Service
- Device
- Hardware
- Software
- Network
- Security
- Compliance
- Legal
- Ethics
- Sustainability
- Innovation
- Resilience
- Sustainability
- Innovation
- Resilience

BCR RPP-01-081

Attachment 4

Integrated Mission Schedule  
Zip Disk



BCR RPP-01-081

Attachment 5

Contract DE-AC-27-99RL14047  
Section C, Technical Exhibit A

Section C  
 Technical Exhibit A  
 (Dollars in Thousands)

PBS	"UNIT OF ANALYSIS"	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006
TW01	RPP CHAR'ZN - SUPPT TO MIN SAFE OPS	4,616	4,409	10,308	11,787	4,768	12,047
TW01	RPP CHAR'ZN - SUPPORT TO FLAMMABLE GAS	0	0	0	0	0	0
TW01	RPP CHAR'ZN - SUPPORT TO EVAPORATOR	836	2,285	2,956	2,379	1,632	1,095
TW01	RPP CHAR'ZN - SUPPORT TO ORP	0	428	433	433	435	438
TW01	RPP CHAR'ZN - SUPPORT TO ORP	0	0	0	0	0	0
TW01	RPP CHAR'ZN (SUPPORT TO TANK PUMPING)	1,625	3,208	0	0	0	0
TW01	RPP CHAR'ZN - SUPPT TO RETRIEVAL / PRIVATIZATION	18,090	17,868	13,778	7,858	48,574	6,044
TW01	RPP CHAR'ZN - SUPPT TO RETRIEVAL / PRIVATIZATION	0	0	0	0	15,612	7,813
TW01	RPP CHAR'ZN - SUPPORT TO SAFETY SCREENING	0	0	0	0	0	0
TW01	RPP CHAR'ZN SUPPORT TO IMUSTS	0	0	0	0	0	0
	Subtotal Baseline	25,167	27,898	27,170	22,156	25,106	19,324
	Subtotal CHG Proposal	25,167	27,771	27,040	22,023	22,012	20,955
TW02	RPP FLAMMABLE GAS MINIMUM SAFE OPERATIONS	3,328	2,221	2,200	1,799	1,611	1,589
TW02	RPP SAFETY, USQ, AUTHORIZATION BASIS	6,443	5,537	5,923	5,793	6,161	6,036
TW02	RPP SY 101 USQ LEVEL GROWTH	5,566	0	0	0	0	0
TW02	RPP SAFETY - SUPPORT TO ORP	5,161	597	598	640	622	636
TW02	RPP SAFETY - SUPPORT TO ORP	0	0	0	0	0	0
TW02	RPP ORGANIC OPERATIONS	0	0	0	0	0	0
TW02	RPP FLAMMABLE GAS ADDIT'L MONIT'G UPGRADES	0	0	0	0	0	0
TW02	FSAR IMPLEMENTATION	0	0	0	0	0	0
	Subtotal Baseline	20,438	8,344	8,720	8,202	8,394	8,258
	Subtotal CHG Proposal	15,277	7,757	8,122	7,591	7,772	7,623
TW03	RPP DST MINIMUM SAFE OPERATIONS	50,252	55,721	53,657	53,973	48,291	48,660
TW03	RPP DST MINIMUM SAFE OPERATIONS						48,769
TW03	RPP SST MINIMUM SAFE OPERATIONS	10,162	9,862	9,813	9,922	8,709	8,851
TW03	RPP TRANSFERS & WASTE STAGING	1,171	1,424	2,749	1,411	2,160	832
TW03	RPP ECN INCORPORATION	379	355	363	370	188	191
TW03	RPP EMERG PREPAREDNESS DRILL REQ'TS	267	272	279	293	290	298
TW03	RPP CONFIGURATION / ALARM MGMT	3,525	2,097	2,138	2,182	2,146	1,866
TW03	RPP WDOE ENVIRONMENTAL RECORDS	68	69	71	72	58	61
TW03	RPP AIR OPERATING PERMIT IMPLEMENTATION	623	575	619	628	434	442
TW03	RPP AS-BUILT DRAWINGS AND COMPONENT LABELIN	1,674	709	0	62	438	1
TW03	RPP INTEGRATED SAFETY MGMT SYSTEM	77	79	52	53	3	3
TW03	RPP 702 AZ UPGRADES	1,006	125	420	326	331	338
TW03	RPP PROCESS SYSTEMS UPGRADE	0	0	0	0	0	0
TW03	RPP CAM REPLACEMENT	83	0	0	0	0	0
TW03	RPP TMACS AND ENRAF	2,151	1,876	2,235	0	0	0
TW03	RPP DST RCRA PART B APPLICATION	225	37	0	0	0	0
TW03	RPP WASTE ACCEPTANCE PROGRAM	21	21	22	22	8	8
TW03	RPP OPERATIONS - SUPPORT TO ORP	2,030	2,267	1,860	634	605	624
TW03	RPP OPERATIONS - SUPPORT TO ORP	0	0	0	0	0	0
TW03	RPP ROVER PATROL / SAFEG & SECURITY (SAS)	5,648	5,764	5,874	5,904	5,068	6,115
TW03	RPP ROVER PATROL / SAFEG & SECURITY (SAS)	0	0	0	0	0	0
TW03	RPP PAAA COMPLIANCE	669	682	697	711	701	712
TW03	RPP FIRE HAZARD ANALYSIS	74	75	77	79	81	83
TW03	RPP INTEGRITY INSPECTION	2,949	2,997	3,067	3,128	3,194	3,282
TW03	RPP INTERIM STAB'N & ISOLATION	27,621	23,203	17,852	5,381	6,915	0
TW03	RPP INTERIM STAB'N PUMPING	0	0	0	0	0	0
TW03	RPP W-314, TF RES & SAFE OPS	4,602	8,595	4,331	5,956	3,521	629
TW03	RPP W-314, TF RES & SAFE OPS -LI	42,899	40,877	27,429	39,537	11,187	0
TW03	RPP TF RES & SAFE OPS (W-314) - PHASE 2	0	0	0	0	0	0
TW03	RPP TF RES & SAFE OPS (W-314) - LI - PHASE 2	0	0	0	0	0	0
TW03	RPP RAW WATER FLOW TOTALIZERS INSTALL'N	129	0	134	0	0	0
TW03	RPP TRANSFER PUMP REPLACEMENT 104-AW	2,587	0	0	0	0	0
TW03	DRAWINGS/ DOC'N FOR INACTIVE SYSTEMS	10	7	7	7	0	0
TW03	NATURAL PHENOMENON HAZARD MITIG'N	117	0	0	0	0	0
TW03	RPP CASS CLOSURE	535	0	0	0	0	0
TW03	TANK PH ISSUE RESOLUTION	0	403	3,641	466	505	277
TW03	FACILITY DEACTIVATION	4,399	4,588	1,766	102	9,137	1,347
TW03	DST SSC ANALYSIS & DESIGN RECONSTITUTION	277	0	1,650	111	114	147
TW03	SST SSC ANALYSIS & DESIGN RECONSTITUTION	0	0	1,207	56	57	59
TW03	RPP TANK ISOLATION & ABANDONED EQUIP	0	0	2,087	0	517	0
TW03	REMOVE INACTIVE SYSTEMS FROM OPERATIONS	236	253	258	263	282	0
TW03	TANK STRUCTURAL ISSUE RESOL'N	833	0	629	36	0	0
TW03	UPGRADE DST HARDWARE & TECH. BASELINE	654	0	29	30	30	31
TW03	UPGRADE SST HARDWARE & TECH. BASELINE	77	0	63	65	66	67
TW03	LOW INSTALLATIONS	0	0	0	623	1,057	691
TW03	METRIFICATION PROGRAM	0	0	41	0	0	0
TW03	RPP W-420 STACK MONITORING	509	2	0	0	0	0
	Subtotal Baseline	168,959	162,926	145,117	132,783	107,294	75,909
	Subtotal CHG Proposal	161,281	154,905	137,394	125,856	100,421	68,982

Section C  
Technical Exhibit A  
(Dollars in Thousands)

PBS	"UNIT OF ANALYSIS"	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006
TW04	RPP SST (C-106) RETRIEVAL OPERATIONS	0	0	0	0	0	0
TW04	RPP DISPOSAL - SUPPORT TO ORP	267	762	3,346	3,422	3,481	3,532
TW04	RPP DISPOSAL - SUPPORT TO ORP	0	0	0	0	0	0
TW04	RPP VADOSE ZONE CHARACTERIZATION	6,537	9,344	8,043	9,739	10,333	9,621
TW04	RPP VADOSE ZONE CHARACTERIZATION	9,037	8,834	8,423	9,208	9,792	9,069
TW04	RPP TANK FARM CLOSURE	0	0	0	1,024	1,071	840
TW04	RPP TANK FARM CLOSURE				0	0	0
TW04	RPP W-151-101-AZ COMPL'N AND READINESS ASSM'T	342	0	0	0	0	0
TW04	RPP W-211: INITIAL TK RETRIEVAL SYS (ITRS) DST	789	871	387	396	493	408
TW04	RPP W-211: INITIAL TK RETRIEVAL SYS (ITRS) DST	770	854	854	511	509	507
TW04	RPP W-211: INITIAL TK RETRIEVAL SYS DST -LI	6,426	10,082	20,063	18,362	14,804	15,854
TW04	RPP W-211: INITIAL TK RETRIEVAL SYS DST -LI	5,715	10,865	15,586	12,310	8,450	8,717
TW04	RPP W-521 WASTE FEED DELIVERY SYSTEMS	1,339	818	1,646	1,908	901	1,081
TW04	RPP W-521 WASTE FEED DELIVERY SYSTEMS		809	1,766	2,007	1,345	300
TW04	RPP W-521 WASTE FEED DELIVERY SYSTEMS - L.I.	9,124	33,442	27,104	20,590	26,046	33,803
TW04	RPP W-521 WASTE FEED DELIVERY SYSTEMS - L.I.	6,862	9,168	14,301	12,648	3,015	4,018
TW04	RPP DST WASTE RETRIEVAL	12,810	14,875	21,500	33,390	20,206	19,444
TW04	RPP DST WASTE RETRIEVAL	12,809		18,291	25,681	15,897	19,471
TW04	RPP W-522: DST WASTE RETRIEVAL -LI	0	0	0	0	0	0
TW04	RPP HIGH-LEVEL WASTE SUPPORT PHASE 1	1,954	1,833	2,052	2,122	2,621	1,960
TW04	RPP LAW SUPPORT PHASE 1	8,480	6,158	6,959	5,973	6,222	6,136
TW04	RPP W-525 TANK FARM UPGRADES	0	379	0	0	0	0
TW04	RPP W-525 TANK FARM UPGRADES	940	727	333	1,061	1,623	1,435
TW04	RPP W-525 TANK FARM UPGRADES - LI	0	6	1,584	10,131	18,566	20,360
TW04	RPP W-525 TANK FARM UPGRADES - LI			2,266	7,129	21,377	8,565
TW04	PRR SST PROGRAM DEFINITION	2,536	2,107	1,867	1,810	1,839	2,105
TW04	RPP W-523: SST HLW RETRIEVAL SYS - PHASE 1	4,487	4,756	3,067	5,123	3,898	2,530
TW04	RPP W-523: SST HLW RETRIEVAL SYS - PHASE 1-LI	0	2,547	5,835	24,315	21,035	10,881
TW04	RPP SST LAW RETRIEVAL SYSTEMS - PHASE 1	0	26	168	0	2,312	2,884
TW04	RPP SST LAW RETRIEVAL SYSTEMS - PHASE 1-LI	0	0	0	0	0	9,617
TW04	RPP SST TECHNOLOGY TEST & DEPLOYM'T PHASE 1	11,867	24,549	24,272	29,081	22,321	14,129
TW04	RPP 241-C-106 OPERAT'L CLOSURE-PHASE 1	422	0	0	0	0	0
TW04	RTP RISK ALLOWANCE :TW04	0	0	19,704	17,314	6,730	11,910
TW04	RPP HANFORD TANKS INIT'VE: EM-30	0	0	0	0	0	0
TW04	RPP SST RETRIEVAL TO DST AVAILABLE SPACE	0	0	0	0	0	0
TW04	RPP SST RETRIEVAL TO DST AVAILABLE SPACE-LI	0	0	0	0	0	0
TW04	RPP SST TECH. TEST/DEPLOYM'T -DST BACKFILL-LI	0	0	0	0	0	0
TW04	RPP SST PRIVATIZED RETRIEVAL ACT'VS-PHASE 2	0	0	0	2,324	3,342	7,162
TW04	RPP SST PROGRAM DEVELOPMENT/RETRIEVAL	0	0	0	0	0	0
TW04	RPP SST PROGRAM DEVELOPMENT/RETRIEVAL - LI	0	0	0	0	0	0
TW04	DST WASTE RETRIEVAL-PHASE 2	0	0	0	0	0	0
TW04	RPP SST PROGRAM DEVELOPMENT	0	0	0	0	0	0
TW04	RPP SST PROGRAM DEVELOPMENT-LI	0	0	0	0	0	0
	Subtotal Baseline	69,460	112,516	148,506	187,029	165,128	179,261
	Subtotal CHG Proposal	67,560	88,108	125,743	158,618	132,328	121,396
TW05	RPP PRIVATIZATION PROGRAM MGMT (WIT) PHASE 1	0	6,120	6,240	6,366	6,492	6,624
TW05	RPP PRIVATIZATION PROGRAM MGMT (WIT) PHASE 1		0	0	0	0	0
TW05	RPP M & I VENDOR INTERFACE	1,068	1,452	1,401	1,436	1,457	1,482
	Subtotal Baseline	1,068	7,572	7,641	7,802	7,949	8,106
	Subtotal CHG Proposal	1,068	1,452	1,401	1,436	1,457	1,482
TW08	RPP W-519 PRIV'ZN INFRASTRUCTURE PROJECT	496	416	30	16	0	0
TW08	RPP W-519 PRIV'ZN INFRASTRUCTURE PROJECT-LI	10,801	1,098	0	0	0	0
TW08	RPP UTILITY & OPERATIONS PHASE 1 SUPPORT	552	2,397	4,166	4,231	4,230	4,299
TW08	RPP INFRASTRUCTURE PROGRAM ADMIN / SYS DEF	923	940	958	931	715	288
TW08	RPP WASTE MANAGEMENT PRIV INFRAS'T. PH 1 SUPP	1,634	623	384	1,924	2,781	0
TW08	RPP 106/108AP TURNOVER (PROC/ENGRG/ADMIN)	0	0	0	0	0	0
TW08	SOLID WASTE SUPPORT	0	0	0	0	0	0
TW08	RPP PRIVATIZATION INFRASTRUCTURE (PHASE II)	0	0	2,130	8,321	3,033	997
TW08	RPP PRIV'ZN INFRASTRUCTURE (PHASE II)-LI	0	0	0	0	0	0
	Subtotal Baseline	14,406	5,475	7,698	15,523	10,758	5,584
	Subtotal CHG Proposal	14,406	5,475	7,698	15,523	10,758	5,584

Section C  
 Technical Exhibit A  
 (Dollars in Thousands)

PBS	"UNIT OF ANALYSIS"	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006
TW09	RPP IMMOBILIZATION WASTE - RL SUPPORT	102	102	106	108	110	112
TW09	RPP IHLW - PROGRAM, SYSTEMS DEF'N/OPS	0	0	0	0	0	0
TW09	RPP IHLW - PROGRAM, SYS DEF'N/OPS-LI	1,163	1,080	1,294	1,858	1,917	5,358
TW09	RPP W-464, IHLW INTERIM STG FACILITY	0	0	0	0	0	0
TW09	RPP W-464, IHLW INTERIM STG FACILITY - LI	1,190	1,374	1,063	1,546	2,036	2,465
TW09	RPP W-464, IHLW INTERIM STG FACILITY - LI	0	1,374	925	949	1,895	2,711
TW09	RPP W-464, IHLW INTERIM STG FACILITY - LI	1,275	3,402	8,127	19,596	35,821	17,548
TW09	RPP W-464, IHLW INTERIM STG FACILITY - LI	0	3,402	3,295	3,447	17,625	36,319
TW09	RPP ILAW PROGRAM, SYSTEMS DEF'N / OPER'NS	4,199	4,039	5,208	6,330	8,512	8,428
TW09	RPP ILAW PROGRAM, SYSTEMS DEF'N / OPER'NS-LI	0	0	0	0	0	0
TW09	RPP W-529 ILAW PA Borehole #2	267	0	0	0	0	0
TW09	RPP W-529 ILAW PA Borehole #2 - LI	0	0	0	0	0	0
TW09	RPP W-465 ILAW INTERIM STG FACILITY	0	0	0	0	0	0
TW09	RPP W-465 ILAW INTERIM STG FACILITY - LI	0	0	0	0	0	0
TW09	RPP W-520 ILAW DISPOSAL COMPLEX	1,335	817	620	850	1,162	1,243
TW09	RPP W-520 ILAW DISPOSAL COMPLEX	0	700	645	831	1,371	1,144
TW09	RPP W-520 ILAW DISPOSAL COMPLEX-LI	0	0	525	4,762	14,519	24,275
TW09	RPP W-520 ILAW DISPOSAL COMPLEX-LI	0	0	2,640	5,733	15,317	25,299
	Subtotal Baseline	9,531	10,614	16,941	35,087	64,228	59,422
	Subtotal CHG Proposal	9,429	10,595	14,005	19,148	46,628	79,255
TW10	RPP MGMT SUPPT-ENV. SAFETY QUAL ASSMT & HEAL	2,914	2,845	2,902	3,074	3,020	3,021
TW10	RPP MGMT SUPPT - ENGINEERING MGMT & ADMIN	1,533	1,525	1,568	1,587	1,618	1,600
TW10	RPP GENERAL & ADMINISTRATIVE	10,868	10,841	11,552	11,531	11,759	11,986
TW10	RPP DOH	8,792	8,969	9,145	9,329	9,514	7,856
TW10	RPP SITE SERVICES	19,034	25,741	29,154	28,292	30,172	33,257
TW10	RPP MANAGEMENT SUPPORT - FEE	46,103	46,206	48,312	48,945	48,078	47,382
TW10	RPP MANAGEMENT SUPPORT - FEE	17,364	17,100	17,288	17,288	17,288	17,288
TW10	RPP MGMT SUPPT - SUPPORT TO ORP	2,530	818	834	853	468	460
TW10	RPP MGMT SUPPT - SUPPORT TO ORP	0	0	0	0	0	0
TW10	RPP MGMT. SUPPORT-PROJ PLNG INTG & CONTROL	12,317	11,182	12,378	11,970	13,535	12,366
TW10	PAYMENT -IN-LIEU OF TAXES (PILT)	0	1,067	1,088	1,110	1,132	1,150
TW10	TRAINING & RECRUITMENT COSTS	278	460	467	3,405	0	0
TW10	RPP PROJ. INTEGRAT'N OFFICE (PIO)	4,516	3,475	3,584	3,757	3,791	3,853
TW10	RPP MGMT. SUPPORT-SYS ENGRG	1,755	1,791	1,826	1,862	1,901	1,811
TW10	RPP MANAGEMENT SUPPORT-WORK MANAGEMENT	0	0	0	0	0	0
TW10	RPP MGMT - RESERVE	0	0	0	0	0	0
	Subtotal Baseline	80,640	84,920	92,809	95,715	94,687	94,451
	Subtotal CHG Proposal	79,371	84,996	90,950	93,205	93,729	94,187
SUBTOTAL (TFC Baseline)		389,669	420,265	454,601	504,297	483,545	450,314
SUBTOTAL (CHG Proposal)		373,559	381,059	412,343	443,400	415,106	399,464
Identified Changes Through 12/19/00		4,315	11,854	(1,525)	(1,053)	(155)	(255)
TOTAL Tank Farm Contract (CHG Proposal)		377,874	392,913	410,818	442,347	414,951	399,209
Waste Treatment Plant		56,500					Total
Total Revised CHG Proposal		434,374	392,913	410,818	442,347	414,951	399,209
							2,494,612

CHG-0101774

Enclosure - 2

FY 2001 RPP CHANGE CONTROL CHRONOLOGY

Consisting of 11 pages  
including the cover page

FY 2001 RPP Change Control Chronology

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\$'s Are in Thousands

PBS Approved / Pending BCR's Class 0/1/2 Only

		FY01 Value Net Change	FY01	FY02	FY03	FY04	FY05	FY06
<b>TW01</b>	<b>Beginning Value</b>		\$36,287	\$37,766	\$37,903	\$37,451	\$37,743	\$38,324
1.1.1	RPP-00-127 RPP FY01 and Life Cycle Bridge Change Request	(\$6,871)	(\$6,871)	(\$6,126)	(\$7,711)	(\$12,481)	(\$8,851)	(\$16,013)
	RPP-01-008 RPP- Rate Structure Changes	(\$4,147)	(\$4,147)	(\$3,999)	(\$3,863)	(\$3,361)	(\$3,787)	(\$2,987)
	RPP-01-001 Establishment of DOE-ORP Accounts	(\$725)	(\$725)	\$0	\$0	\$0	\$0	\$0
	N/A Log Adjustment to remove Escalation From RPP-00-127 and RPP-01-008	\$1	\$1	(\$542)	(\$1,012)	(\$1,242)	(\$1,903)	(\$1,820)
	N/A Correct Error on RPP-01-001 (\$600K of deletions S/B TW02)	\$600	\$600	\$0	\$0	\$0	\$0	\$0
	RPP-01-020 TW01 FY01 Bridge Corrections	(\$23)	(\$23)	(\$1,172)	(\$855)	\$0	\$0	\$0
	Various Adjust Logs to Reflect TW01	\$21	\$21	\$253	\$809	\$513	\$0	\$0
	FY00 BCR's BCR's From FY00 not Implemented in FY00 (See E-Mail Folder)							
	RPP-01-030 TSCA-PCB Analysis and Lifecycle Schedule	\$616	\$616	\$0	\$0	\$0	\$0	\$0
	RPP-01-054 Revised Budget Updating Guidance for DOE-ORP Accounts and DOE HQ Assessments	\$488	\$488	\$62	\$0	\$0	\$0	\$0
	RPP-01-042 AW-103; AY-102 Core Sampling Changes	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sub	Approved Value	(\$10,040)	\$26,247	\$26,241	\$25,271	\$20,880	\$23,202	\$17,504
Pending								
Sub	Pending		\$0	\$0	\$0	\$0	\$0	\$0
<b>Total</b>			<b>\$26,247</b>	<b>\$26,241</b>	<b>\$25,271</b>	<b>\$20,880</b>	<b>\$23,202</b>	<b>\$17,504</b>

FY 2001 RPP Change Control Chronology

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\$'s Are in Thousands

PBS Approved / Pending BCR's Class 0/1/2 Only

			FY01 Value Net Change	FY01	FY02	FY03	FY04	FY05	FY06
TW02		Beginning Value		\$30,025	\$11,461	\$10,974	\$8,567	\$8,950	\$8,662
1.1.2	RPP-00-127	RPP FY01 and Life Cycle Bridge Change Request	(\$10,756)	(\$10,756)	(\$1,356)	(\$409)	\$1,365	\$1,220	\$1,335
	RPP-01-008	RPP- Rate Structure Changes	(\$3,166)	(\$3,166)	(\$1,761)	(\$1,845)	(\$1,730)	(\$1,776)	(\$1,739)
	RPP-01-001	Establishment of DOE-ORP Accounts	\$4,936	\$4,936	\$0	\$0	\$0		
	N/A	Log Adjustment to remove Escalation From RPP-00-127 and RPP-01-008	\$0	\$0	(\$164)	(\$335)	(\$472)	(\$636)	(\$778)
	N/A	Correct Error on RPP-01-001 (\$600K of deletions S/B TW0)	(\$600)	(\$600)	\$0	\$0	\$0	\$0	\$0
	RPP-00-120	ORP Directed Change- Transfer 209-E Facility to PHMC	(\$21)	(\$21)	\$0	\$0	\$0	\$0	\$0
	RPP-01-007	FY2000 241-SY-101 Carryover	\$545	\$545	\$0	\$0	\$0	\$0	\$0
	RPP-01-054	Revised Budget Updating Guidance for DOE-ORP Accounts and DOE HQ Assessments	(\$472)	(\$472)	\$472	\$0	\$0	\$0	\$0
Sub	Approved	Value	(\$9,534)	\$20,491	\$8,651	\$8,385	\$7,730	\$7,758	\$7,480
Pending									
	RPP-01-065	ESH&Q Schedule and Scope Deletions		(\$612)	\$0	\$0	\$0	\$0	\$0
Sub	Pending			(\$612)	\$0	\$0	\$0	\$0	\$0
<b>Total</b>					\$19,879	\$8,651	\$8,385	\$7,730	\$7,480

FY 2001 RPP Change Control Chronology

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\$'s Are in Thousands

PBS Approved / Pending BCR's Class 01/2 Only

FY01 Value    FY01    FY02    FY03    FY04    FY05    FY06  
Net Change

TW03			FY01 Value	FY01	FY02	FY03	FY04	FY05	FY06
		Beginning Value		\$200,889	\$183,570	\$162,129	\$133,555	\$122,873	\$86,789
1.1.3	RPP-00-127	RPP FY01 and Life Cycle Bridge Change Request	(\$2,721)	(\$2,721)	\$6,441	\$9,283	\$20,165	\$4,862	\$5,749
	RPP-01-008	RPP- Rate Structure Changes	(\$28,274)	(\$28,274)	(\$27,083)	(\$26,298)	(\$20,935)	(\$20,437)	(\$16,627)
	RPP-01-001	Establishment of DOE-ORP Accounts	(\$684)	(\$684)	\$0	\$0	\$0	\$0	\$0
	N/A	Log Adjustment to remove Escalation From RPP-00-127 and RPP-01-008	\$0	\$0	(\$3,351)	(\$5,832)	(\$8,189)	(\$8,338)	(\$7,153)
	RPP-00-107	Workscope Deferrals/Deletions TW03 (Gap Closure)	(\$293)	(\$293)	\$0	\$0	\$0	\$0	\$0
	RPP-00-120	ORP Directed Change- Transfer 209-E Facility to PHMC	(\$525)	(\$525)	(\$351)	(\$351)	(\$351)	(\$351)	(\$351)
	RPP-00-120	Implemented Using FY01 Prices	\$115	\$115	\$76	\$76	\$76	\$76	\$76
	RPP-01-002	Tank Integrity Assessment Project	\$0	\$0	(\$15)	\$31	\$34	\$120	\$50
	RPP-01-029	Accelerated Action Plan for DNFSB Tank Integrity Issues (Partial Implementation Corrosion Probe/Crawler Procurement Only. Ref: 72100-01 2028	\$535	\$535	\$0	\$0	\$0	\$0	\$0
	RPP-01-030	TSCA-PCB Analysis and Lifecycle Schedule	(\$616)	(\$616)	\$306	\$0	\$0	\$0	\$0
	RPP-01-029	Accelerated Action Plan for DNFSB Tank Integrity Issues: Caustic Supply Only Ref:72100-01-2030	\$8,179	\$8,179	\$599	(\$915)	\$0	\$0	\$0
	RPP-01-003	Interim Stabilization FY01 MYWP Rebaselin	\$2,409	\$2,409	\$4,350	(\$320)	(\$1,325)	\$0	\$0
	N/A	Correct for wrong log value on RPP-00-107	\$62	\$62	\$0	\$0	\$0	\$0	\$0
	RPP-01-054	Revised Budget Updating Guidance for DOE-ORP Accounts and DOE HQ Assessments	(\$6,050)	(\$6,050)	\$6,050	\$0	\$0	\$0	\$0

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\$'s Are in Thousands

			FY01 Value	FY01	FY02	FY03	FY04	FY05	FY06
PBS Approved / Pending BCR's Class 0/1/2 Only			Net Change						
RPP-01-050	Remove Safeguards & Security Workscope/Budget		(\$5,533)	(\$5,533)	(\$5,535)	(\$5,533)	(\$5,533)	(\$5,511)	(\$5,535)
<b>Sub</b>	<b>Approved</b>	<b>Value</b>	<b>(\$33,396)</b>	<b>\$167,493</b>	<b>\$165,057</b>	<b>\$132,271</b>	<b>\$117,498</b>	<b>\$93,294</b>	<b>\$62,998</b>
<b>Pending</b>									
1.1.3 RPP-01-026	Project W-314 Baseline Adjustment to Conform to FY01 PI ORP3.2.1			\$2,527	(\$4,285)	\$13,973	(\$5,014)	\$487	(\$570)
RPP-01-052	Realign DST Equipment Verification, Trade Studies and Acquisition Strategies			(\$273)	\$769	\$20	(\$485)	\$31	\$0
RPP-01-061	Consolidation of Operation Readiness Workscope			\$192	\$77	\$0	\$0	\$0	\$0
RPP-01-062	Response to DNFSB 2000-2			\$135	\$0	\$0	\$0	\$0	\$0
RPP-01-065	ESH&Q Schedule and Scope Deletions			(\$550)	\$0	\$0	\$0	\$0	\$0
RPP-01-066	Restore "Evaluate and Monitor Facility Hazards" Workscope			\$276	\$276	\$276	\$276	\$276	\$276
RPP-01-079	Accelerate Salt Cake Retrieval (U 107 Saltcake Dissolution Proof-Of-Concept)			\$2,446	\$1,174	\$606	\$0	\$0	\$0
<b>Sub</b>	<b>Pending</b>			<b>\$4,753</b>	<b>(\$1,989)</b>	<b>\$14,875</b>	<b>(\$6,223)</b>	<b>\$794</b>	<b>(\$294)</b>
				<b>\$172,246</b>	<b>\$163,068</b>	<b>\$147,148</b>	<b>\$112,275</b>	<b>\$94,088</b>	<b>\$62,704</b>

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FY01 Value    FY01    FY02    FY03    FY04    FY05    FY06  
Net Change

			FY01 Value	FY01	FY02	FY03	FY04	FY05	FY06
			Net Change						
TW04		Beginning Value		\$105,868	\$180,536	\$246,491	\$225,719	\$175,631	\$138,584
1.1.4	RPP-00-127	RPP FY01 and Life Cycle Bridge Change Request	(\$38,406)	(\$38,406)	(\$80,870)	(\$110,315)	(\$79,754)	(\$46,802)	\$23,309
	RPP-01-008	RPP- Rate Structure Changes	(\$7,592)	(\$7,592)	(\$7,868)	(\$9,840)	(\$12,598)	(\$8,287)	(\$10,126)
	RPP-01-001	Establishment of DOE-ORP Accounts	\$261	\$261	\$0	\$0	\$0	\$0	\$0
	RPP-01-006	Near Term Retrieval of Wastes from Single-Shell Tanks	\$9,330	\$9,330	\$20,255	\$21,253	\$60,199	\$40,815	\$24,560
	N/A	Log Adjustment to remove Escalation From RPP-00-127 and RPP-01-008	(\$1)	(\$1)	(\$1,963)	(\$5,294)	(\$8,319)	(\$10,206)	(\$16,167)
	RPP-01-015	Alignment of FY01 Vadose Zone Budget	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	RPP-01-054	Revised Budget Updating Guidance for DOE-ORP Accounts and DOE HQ Assessments	(\$820)	(\$820)	\$820	\$0	\$0	\$0	\$0
Sub	Approved	Value	(\$37,228)	\$68,640	\$110,910	\$142,295	\$175,247	\$151,151	\$160,160
Pending									
1.1.4	RPP-01-081	CHG Contract Extension Scope Deferral		(\$1,134)	(\$22,550)	(\$18,040)	(\$22,950)	(\$25,136)	(\$46,703)
	RPP-01-061	Consolidation of Operation Readiness Workscope		(\$192)	(\$77)	\$0	\$0	\$0	\$0
Sub	Pending			(\$1,326)	(\$22,627)	(\$18,040)	(\$22,950)	(\$25,136)	(\$46,703)
<b>Total</b>				<b>\$67,514</b>	<b>\$88,283</b>	<b>\$124,255</b>	<b>\$152,297</b>	<b>\$126,015</b>	<b>\$113,457</b>

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PBS Approved / Pending BCR's Class 0/1/2 Only

			FY01 Value Net Change	FY01	FY02	FY03	FY04	FY05	FY06
TW05		Beginning Value		\$10,297	\$17,188	\$16,927	\$19,109	\$15,740	\$14,219
1.1.5	RPP-00-127	RPP FY01 and Life Cycle Bridge Change Request	(\$2,870)	(\$2,870)	(\$9,157)	(\$8,842)	(\$10,858)	(\$7,328)	(\$5,647)
	RPP-01-008	RPP- Rate Structure Changes	(\$383)	(\$383)	(\$458)	(\$419)	(\$450)	(\$463)	(\$467)
	RPP-01-001	Establishment of DOE-ORP Accounts	(\$6,000)	(\$6,000)	\$0	\$0	\$0	\$0	\$0
	N/A	Log Adjustment to remove Escalation From RPP-00-127 and RPP-01-008	\$0	\$0	(\$148)	(\$295)	(\$449)	(\$602)	(\$764)
Sub	Approved	Value	(\$9,253)	\$1,044	\$7,425	\$7,371	\$7,352	\$7,347	\$7,341
Pending									
1.1.5									
Sub				\$0	\$0	\$0	\$0	\$0	\$0
<b>Total</b>				\$1,044	\$7,425	\$7,371	\$7,352	\$7,347	\$7,341

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FY01 Value    FY01    FY02    FY03    FY04    FY05    FY06  
Net Change

		FY01 Value	FY01	FY02	FY03	FY04	FY05	FY06
TW08	Beginning Value		\$18,656	\$13,063	\$12,331	\$13,249	\$39,164	\$21,530
1.1.8	RPP-00-127 RPP FY01 and Life Cycle Bridge Change Request	(\$3,739)	(\$3,739)	(\$7,039)	(\$3,772)	\$3,899	(\$27,086)	(\$15,235)
	RPP-01-008 RPP- Rate Structure Changes	(\$512)	(\$511)	(\$548)	(\$861)	(\$1,624)	(\$1,319)	(\$711)
	RPP-01-001 Establishment of DOE-ORP Accounts	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	N/A Log Adjustment to remove Escalation From RPP-00-127 and RPP-01-008	\$0	\$0	(\$112)	(\$296)	(\$892)	(\$816)	(\$526)
	RPP-01-027 Miscellaneous Effluent Treatment Design Changes	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	RPP-00-142 Project W-519 TPC Reduction	\$2,161	\$2,161	(\$880)	\$0	\$0	\$0	\$0
	RPP-01-054 Revised Budget Updating Guidance for DOE-ORP Accounts and DOE HQ Assessments	(\$1,200)	(\$1,200)	\$1,200	\$0	\$0	\$0	\$0
Sub	Approved Value	(\$3,290)	\$15,367	\$5,684	\$7,402	\$14,632	\$9,943	\$5,058
<b>Pending</b>								
1.1.8	RPP-01-068 Project W-519 Baseline Reductio		\$0	\$0	\$0	\$0	\$0	\$0
Sub	Pending		\$0	\$0	\$0	\$0	\$0	\$0
<b>Total</b>			<b>\$15,367</b>	<b>\$6,684</b>	<b>\$7,402</b>	<b>\$14,632</b>	<b>\$9,943</b>	<b>\$5,058</b>

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		FY01 Value Net Change	FY01	FY02	FY03	FY04	FY05	FY06
TW09	Beginning Value		\$14,291	\$27,286	\$52,602	\$58,288	\$41,160	\$37,775
1.1.9	RPP-00-127 RPP FY01 and Life Cycle Bridge Change Request	(\$3,666)	(\$3,666)	(\$15,576)	(\$34,292)	(\$21,334)	\$25,228	\$23,723
	RPP-01-008 RPP- Rate Structure Changes	(\$1,198)	(\$1,197)	(\$1,092)	(\$1,369)	(\$1,867)	(\$2,159)	(\$2,078)
	RPP-01-001 Establishment of DOE-ORP Accounts	\$102	\$102	\$0	\$0	\$0	\$0	\$0
	N/A Log Adjustment to remove Escalation From RPP-00-127 and RPP-01-008	\$1	\$1	(\$222)	(\$731)	(\$2,359)	(\$5,797)	(\$6,566)
	RPP-01-049 TW-09 Incorporate FY 2000 Carryover (ORP)	\$100	\$100	\$0	\$0	\$0	\$0	\$0
Sub	Approved Value	(\$4,661)	\$9,631	\$10,396	\$16,210	\$32,728	\$58,432	\$52,854
<b>Pending</b>								
	RPP-01-081 CHG Contract Extension Scope Deferral		\$0	\$81	(\$2,698)	(\$14,706)	(\$15,844)	\$17,607
	RPP-01-085 Revise CHG Fee Account per ORP Direction		(\$467)	\$0	\$0	\$0	\$0	\$0
Sub	Pending		(\$467)	\$81	(\$2,698)	(\$14,706)	(\$15,844)	\$17,607
<b>Total</b>			<b>\$9,164</b>	<b>\$10,477</b>	<b>\$13,512</b>	<b>\$18,022</b>	<b>\$42,588</b>	<b>\$70,461</b>

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		FY01 Value Net Change	FY01	FY02	FY03	FY04	FY05	FY06
TW10	Beginning Value		\$39,232	\$38,368	\$40,125	\$38,766	\$38,395	\$37,622
1.1.10	RPP-00-127 RPP FY01 and Life Cycle Bridge Change Request	\$6,073	\$6,073	\$5,434	\$7,426	\$11,896	\$9,277	\$8,112
	RPP-01-008 RPP- Rate Structure Changes	\$33,604	\$33,604	\$41,068	\$45,141	\$44,812	\$46,666	\$48,260
	RPP-01-001 Establishment of DOE-ORP Accounts	\$1,730	\$1,730	\$0	\$0	\$0		
	N/A Log Adjustment to remove Escalation From RPP-00-127 and RPP-01-008	\$1	\$1	(\$1,615)	(\$3,453)	(\$5,262)	(\$6,827)	(\$8,440)
	RPP-01-054 Revised Budget Updating Guidance for DOE-ORP Accounts and DOE HQ Assessments	\$3,410	\$3,410	\$390	\$0	\$0	\$0	\$0
Sub	Approved Value	\$44,818	\$84,050	\$83,645	\$89,239	\$90,212	\$87,511	\$85,554
Pending								
	RPP-01-081 CHG Contract Extension Scope Deferral		\$1,261	\$877	(\$985)	(\$1,562)	(\$730)	(\$86)
Sub	Pending		\$1,261	\$877	(\$985)	(\$1,562)	(\$730)	(\$86)
<b>Total</b>			<b>\$86,311</b>	<b>\$84,522</b>	<b>\$88,254</b>	<b>\$88,650</b>	<b>\$86,781</b>	<b>\$85,468</b>

FY 2001 RPP Change Control Chronology

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PBS Approved / Pending BCR's Class 0/1/2 Only	FY01 Value Net Change	FY01	FY02	FY03	FY04	FY05	FY06
Sub Total RPP Approved	(\$62,684)	\$392,963	\$418,010	\$428,444	\$466,278	\$438,638	\$388,949
Sub Total RPP Pending		\$0,000	(\$20,000)	(\$0,000)	(\$44,441)	(\$40,510)	(\$40,410)
Total RPP		\$392,963	\$398,010	\$428,444	\$421,837	\$397,722	\$348,539

which is technically achievable. In doing so we have had to sign contracts which do not reflect the Tri-Party Agreement as it stands today. While we did not get your approval prior to signing the contracts we have been upfront and straightforward with you on the reasons for those decisions. On several occasions, including the April 5, 2001, Hanford Advisory Board mid-year review, DOE Office of River Protection (ORP) has illustrated the discrepancies between ORP's commitment dates under the Tri-Party Agreement and the RPP integrated baseline. We have asked for Ecology and U.S. Environmental Protection Agency's assistance in having a baseline which reflects critical commitments that are technically achievable and defensible, consistent with mission requirements. Our proposed Tri-Party Agreement change requests do not impact the start of hot operations in 2007 and completion of Phase 1 by 2018 as provided in the Directors Final Determination.

We have briefed you several times starting on February 27, 2001, on our RPP Integrated Baseline and have given you copies of the critical path analysis as required under Tri-Party Agreement Action Plan section 11.8. We have also tried to meet with you several times to discuss critical path milestone management under section 4.1. Since we have not been able to meet, Attachment 3 contains Baseline Change Request RPP-081 which starts the process to align and integrate the CH2M HILL Hanford Group, Inc. schedule with the Waste Treatment Plant schedule. This realignment of the Integrated River Protection Baseline is an important step in furthering the discussions and to support renegotiation of the effected milestones by December 15, 2001. Ideally we would have liked to have the RPP baseline fully integrated prior to submitting these change requests so we could have firm dates for enforceable commitments where we currently only have TBDs. We recognize that our inability to give the State firm dates causes you concern. We have tried to alleviate this situation by continuing the dialog through the summer on the integration efforts and committing to complete negotiation by December 15, 2001. Through these changes we have tried to align the contracts and the proposed Tri-Party Agreement changes.

Please let us know if you agree with the path forward outlined in this letter prior to May 23, 2001, which represents the due date for DOE to initiate the Dispute Resolution process as described in the Tri-Party Agreement. If you have questions, please contact me on (509) 376-2247.

Sincerely,

James E. Rasmussen  
Environmental Policy Advisor  
Office of River Protection

ORP:JER

Attachments (3)

cc: See page 3

Mr. Michael A. Wilson  
01-ORP-074

MAY 21 2001

bcc: ORP OFF File  
ORP Rdg File  
H. L. Boston, ORP  
L. Erickson, ORP  
W. J. Taylor, AMPD  
J. E. Rasmussen, ORP  
S. D. Stubblebine, ORP  
M. E. Burandt, EQD

Office >	ORP <i>SR</i>	EQD	ORP <i>phone conference</i>	RCA	ORP <i>[Signature]</i>	ORP <i>SR</i>
Surname >	RASMUSSEN	BURANDT <i>MEB</i>	STUBBLEBINE	HEBDON	BOSTON	RASMUSSEN
Date >	5/18/01	5/18/01	5/18/01 <i>SR</i>		5/21/01	5/21/01

(Please return to Arlene Hanson 3-0068 H6-60/2440 STVCN FX 3-0628)

Document No. 27996