0080293

Tri-Party Agreement

Change Notice for Modifying Approved Documents/ Workplans In Accordance with the Tri-Party Agreement Action Plan, Section 9.0, *Documentation and Records*

Change Number	Document Submitted Under Tri-Party Agreement Milestone	Date:
TPA-CN-256	N/A	January 29 , 2008

Document Number and Title:	Date Document Last Issued:
DOE/RL-2001-27, Rev 0, *Remedial Design Report/Remedial Action Work Plan for the 100-NR-2 Operable Unit* and the *Interim Action Waste Management Plan for the 100-NR-2 Operable Unit, DOE/RL-2000-41*, Rev. 1	June 2002 and August 2000, respectively

Originator: Bill Barrett/John Winterhalder **Phone:** 373-3985/373-2522

Description of Change:

- Updated the RDR/RAWP Automated Water-Level Station Network Locations in Table 3-1 and Table A-1 of Appendix A.
- Updated RDR/RAWP monitoring well list in Table A-4 of Appendix A.
- Updated Waste Management Plan Appendix A, 100-NR-2 Well List.

B Charboneau (RL) and J Price (Lead Regulatory Agency) agree that the proposed change modifies an approved workplan/document and will be processed in accordance with the Tri-Party Agreement Action Plan, Section 9.0, *Documentation and Records*, and not Chapter 12.0, *Changes to the Agreement.*

Justification and Impacts of Change:

- Ongoing waste site remediation, cold standby of the 100-NR-2 pump and treat system, close proximity of other wells, and the need to monitor the effects of nearby K-Area injection wells, are reasons for updating the list and corresponding purpose of the Automated Water-Level Station Network Locations. Updates to Table 3-1 and Table A-1 of Appendix A—Operation and Maintenance Plan, are attached.
- Two wells (199-N-17 and 199-N-54) that have been decommissioned, and one well (199-N-59) that has gone dry, have been deleted from the list of monitoring wells in Table A-4 of Appendix A. RCRA monitoring requirements are removed to eliminate possible conflict between this document and the Hanford Facility RCRA Permit (WA7890008967). Also eliminated specification of sampling months to allow greater flexibility in scheduling. The updated table is attached.
- Updated WMP 100-NR-2 Well List to include all wells currently sampled.

Approvals:

KMP 2/12/09 Brent Chamberlain DOE-RL	2-12-09 Date	X Approved	__ Disapproved	
John B. Price Ecology	2-12-09 Date	X Approved	__ Disapproved	

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Table 3-1. Automated Water-Level Network Locations.*

(Shading indicates changes made)

Station	Purpose
100-N-River Station	Monitors river stage elevations along the 100-N shoreline
199-N-2	Monitors mid-range extent of river influence
199-N-3	Monitors mid-range inland extent of river influence central to PRB
~~199-N-8S~~	~~Monitors water-table elevation between river and extraction well 199-N-103A~~
~~199-N-14~~	~~Closest observation well to extraction well 199-N-106A~~
~~199-N-16~~	~~Water table baseline for reference for well 199-N-29~~
199-N-26	Monitors near-river western extent of plume & KE injection well influence
199-N-34	Monitors southern and central extent of plume central to PRB
~~199-N-50~~	~~Water table baseline reference for wells 199-N-76 and 199-N-14~~
199-N-71	Monitors southern and western extent of plume & KE injection well influence
199-N-72	Monitors mid-range western extent of plume & KE injection well influence
199-N-76	Monitors near-river inland extent of river influence central to the PRB
199-N-92A	Monitors eastern near-river extent of river influence beyond east end of PRB
199-N-99A	Monitors eastern near-river extent of river influence at east end of PRB
199-N-139	Monitors near-river river influence within the western end of PRB
199-N-146 or 199-N-147	Monitors near-river river influence within the central portion of PRB

*This revised table was approved under TPA-CN-256.

Table A-1. Automated Water-Level Network Locations.*

(Shading indicates changes made)

Station	Purpose
100-N-River Station	Monitors river stage elevations along the 100-N shoreline
199-N-2	Monitors mid-range extent of river influence
199-N-3	Monitors mid-range inland extent of river influence central to PRB
~~199-N-8S~~	~~Monitors water table elevation between river and extraction well 199-N-103A~~
~~199-N-14~~	~~Closest observation well to extraction well 199-N-106A~~
~~199-N-16~~	~~Water table baseline for reference for well 199-N-29~~
199-N-26	Monitors near-river western extent of plume & KE injection well influence
199-N-34	Monitors southern and central extent of plume central to PRB
~~199-N-50~~	~~Water table baseline reference for wells 199-N-76 and 199-N-14~~
199-N-71	Monitors southern and western extent of plume & KE injection well influence
199-N-72	Monitors mid-range western extent of plume & KE injection well influence
199-N-76	Monitors near-river inland extent of river influence central to the PRB
199-N-92A	Monitors eastern near-river extent of river influence beyond east end of PRB
199-N-99A	Monitors eastern near-river extent of river influence at east end of PRB
199-N-139	Monitors near-river river influence within the western end of PRB
199-N-146 or 199-N-147	Monitors near-river river influence within the central portion of PRB

*This revised table was approved under TPA-CN-256.

Table A-4. Monitoring Wells, Sampling Schedule, and Constituents.
(3 Pages)
(Shading indicates changes made)

Well No.	Sampling Frequency	Conductivity	pH	Temperature	Turbidity	Alkalinity	Anions	ICP-M(F/U)	Oil/Grease	TPH	TOC	TOX	Alpha	Beta	Gamma Scan	Strontium-90	Tritium
199-N-002	A	NR	NR	NR	NR	~~RC~~	NR/~~RC~~	NR/~~RC~~						NR		NR	NR
	~~S~~	~~RC~~	~~RC~~		~~RC~~						~~RC~~	~~RC~~					
199-N-003	~~A~~					~~RC~~	~~RC~~	~~RC~~									
	S	NR/~~RC~~	NR/~~RC~~	NR	NR/~~RC~~		NR	NR			~~RC~~	~~RC~~		NR		NR	NR
199-N-014	A	NR	NR	NR	NR		NR	NR						NR		NR	NR
	S	NR	NR	NR	NR		NR	NR						NR		NR	NR
199-N-016	A	NR	NR	NR	NR		NR	NR	NR	NR				NR		NR	
~~199-N-017~~	~~A~~	~~NR~~	~~NR~~	~~NR~~	~~NR~~				~~NR~~	~~NR~~							
199-N-018	A	NR	NR	NR	NR				NR	NR							
199-N-021	A	NR	NR	NR	NR		NR	NR									
199-N-027	A	NR	NR	NR	NR		NR	NR					NR		NR		NR
~~199-N-028~~	~~A~~					~~RC~~	~~RC~~	~~RC~~									
	~~S~~	~~RC~~	~~RC~~		~~RC~~						~~RC~~	~~RC~~					
199-N-032	S	NR/~~RC~~	NR/~~RC~~	NR	NR/~~RC~~	~~RC~~	NR/~~RC~~	NR/~~RC~~			~~RC~~	~~RC~~		NR	NR	NR	NR
~~199-N-034~~	~~A~~					~~RC~~	~~RC~~	~~RC~~									
	~~S~~	~~RC~~	~~RC~~		~~RC~~						~~RC~~	~~RC~~					
~~199-N-041~~	~~A~~					~~RC~~	~~RC~~	~~RC~~									
	~~S~~	~~RC~~	~~RC~~		~~RC~~						~~RC~~	~~RC~~					
119-N-050	A	NR	NR	NR	NR									NR			NR
119-N-051	A	NR	NR	NR	NR									NR			NR
~~199-N-054~~	~~S~~	~~NR~~	~~NR~~	~~NR~~	~~NR~~		~~NR~~	~~NR~~	~~NR~~	~~NR~~				~~NR~~	~~NR~~	~~NR~~	
~~199-N-057~~	~~A~~					~~RC~~	~~RC~~	~~RC~~									
	~~S~~	~~RC~~	~~RC~~		~~RC~~						~~RC~~	~~RC~~					
~~199-N-059~~	~~A~~					~~RC~~	~~RC~~	~~RC~~					~~RC~~				
	~~S~~	~~RC~~	~~RC~~		~~RC~~						~~RC~~	~~RC~~					
199-N-064	A	NR	NR	NR	NR		NR	NR						NR		NR	NR
199-N-067	S	NR	NR	NR	NR		NR	NR					NR	NR		NR	
199-N-070	A	NR	NR	NR	NR		NR	NR					NR	NR	NR	NR	NR

*This revised table was approved under TPA-CN-256.

Table A-4. Monitoring Wells, Sampling Schedule, and Constituents.
(3 Pages)
(Shading indicates changes made)

Well No.	Sampling Frequency	Conductivity	pH	Temperature	Turbidity	Alkalinity	Anions	ICP-M(F/U)	Oil/Grease	TPH	TOC	TOX	Alpha	Beta	Gamma Scan	Strontium-90	Tritium
~~199-N-071~~	~~A~~					~~RC~~	~~RC~~	~~RC~~									
	~~S~~	~~RC~~	~~RC~~		~~RC~~						~~RC~~	~~RC~~					
~~199-N-072~~	~~A~~					~~RC~~	~~RC~~	~~RC~~									
	~~S~~	~~RC~~	~~RC~~		~~RC~~					~~RC~~	~~RC~~						
~~199-N-073~~	~~A~~					~~RC~~	~~RC~~	~~RC~~									
	~~S~~	~~RC~~	~~RC~~		~~RC~~					~~RC~~	~~RC~~						
199-N-074	A	NR	NR	NR	NR	~~RC~~	~~RC~~	NR/ RC					NR	NR	NR		
	~~S~~	~~RC~~	~~RC~~		~~RC~~						~~RC~~	~~RC~~					
199-N-075	S	NR	NR	NR	NR		NR	NR						NR		NR	NR
199-N-076	S	NR	NR	NR	NR		NR	NR						NR	NR	NR	NR
~~199-N-077~~	~~A~~					~~RC~~	~~RC~~	~~RC~~					~~RC~~				
	~~S~~	~~RC~~	~~RC~~		~~RC~~						~~RC~~	~~RC~~					
199-N-080	A	NR	NR	NR	NR		NR	NR					NR	NR	NR	NR	NR
199-N-081	A	NR	NR	NR	NR	RC	NR/ ~~RC~~	NR/ ~~RC~~						NR		NR	NR
	~~S~~	~~RC~~	~~RC~~		~~RC~~						~~RC~~	~~RC~~					
199-N-092A	A	NR	NR	NR	NR		NR	NR						NR		NR	NR
199-N-096A	A	NR	NR	NR	NR		NR	NR						NR		NR	NR
199-N-099A	A	NR	NR	NR	NR		NR	NR						NR		NR	NR
~~199-N-105A~~	~~A~~					~~RC~~	~~RC~~	~~RC~~									
	~~S~~	~~RC~~	~~RC~~		~~RC~~						~~RC~~	~~RC~~					

Field parameters: conductivity, pH, temperature, and turbidity
A = annually ~~(September)~~
S = semiannually ~~(March and September)~~
F/U = filtered/unfiltered
~~RC = RCRA~~
NR = NR-2

*This revised table was approved under TPA-CN-256.

Non-Routine Sampling for three months, not to be repeated after three months:

Table A-4. Monitoring Wells, Sampling Schedule, and Constituents. (3 Pages)
(Shading indicates changes made)

Well No.	Sampling Frequency	Conductivity	pH	Temperature	Turbidity	Alkalinity	Anions	ICP-M(F/U)	Oil/Grease	TPH	TOC	TOX	Alpha	Beta	Gamma Scan	Strontium-90	Tritium
199-N-56	M	NR	NR	NR	NR	NR	NR	NR		NR			NR		NR	NR	
199-N-57	M	NR	NR	NR	NR	NR	NR	NR		NR			NR		NR	NR	
199-N-64	M	NR	NR	NR	NR	NR	NR	NR		NR			NR		NR	NR	

Field parameters: conductivity, pH, temperature, and turbidity
M= Monthly for 3 months to assess groundwater quality after December 2008 water line break,
NR = NR-2
F/U = filtered/unfiltered

*This revised table was approved under TPA-CN-256.

APPENDIX A*
100-NR-2 WELL LIST

Shading indicates wells added by this change.

199-N-2	199-N-76	199-N-148
199-N-3	199-N-77	199-N-149
199-N-6	199-N-80	199-N-150
199-N-8S	199-N-81	199-N-151
199-N-14	199-N-92A	199-N-152
199-N-16	199-N-96A	199-N-153
199-N-18	199-N-99A	199-N-154
199-N-19	199-N-103A	199-N-155
199-N-21	199-N-104A	199-N-156
199-N-22	199-N-105A	199-N-159
199-N-26	199-N-106A	199-N-160
199-N-27	199-N-119	199-N-161
199-N-28	199-N-120	199-N-162
199-N-29	199-N-121	199-N-163
199-N-32	199-N-122	199-N-164
199-N-34	199-N-123	199-N-165
199-N-41	199-N-126	199-N-166
199-N-42	199-N-127	199-N-167
199-N-44	199-N-128	199-N-168
199-N-46	199-N-129	199-N-169
199-N-49	199-N-130	199-N-170
199-N-50	199-N-131	199-N-171
199-N-51	199-N-132	199-N-172
199-N-52	199-N-133	199-N-173
199-N-56	199-N-136	199-N-174
199-N-57	199-N-137	199-N-175
199-N-59	199-N-138	199-N-176
199-N-62	199-N-139	199-N-177
199-N-64	199-N-140	199-N-178
199-N-67	199-N-141	199-N-179
199-N-70	199-N-142	199-N-180
199-N-71	199-N-143	199-N-181
199-N-72	199-N-144	
199-N-73	199-N-145	
199-N-74	199-N-146	
199-N-75	199-N-147	

*This revised 100-NR-2 Appendix A Well and Aquifer Tube List was approved under TPA-CN-256.

APPENDIX A*

100-NR-2 AQUIFER TUBE LIST

C4585	C5261	C6323
C4586	C5262	C6324
C4587	C5263	C6325
C4588	C5264	C6326
C4589	C5265	C6327
C4590	C5266	C6328
C4640	C5267	C6329
C4641	C5268	C6330
C4892	C5269	C6331
C4893	C5270	C6332
C4894	C5271	C6333
C5245	C5386	C6334
C5246	C5512	C6335
C5247	C5513	C6336
C5248	C5514	C6337
C5249	C6131	C6457
C5250	C6132	C6472
C5251	C6133	C6473
C5252	C6134	C6473
C5253	C6135	C6474
C5254	C6136	C6475
C5255	C6317	C6476
C5256	C6318	
C5257	C6319	
C5258	C6320	
C5259	C6321	
C5260	C6322	

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