

Section	Paragraph	Description
13210	3.4.B.4.d	Tank Watertightness Test Reports

1/14

OSR45-11 (Rev 10-22-2008)	
Savannah River Site	
Supplier Document Status	
<p>1. <input type="checkbox"/> Work may proceed.</p> <p>2. <input type="checkbox"/> Submit Final Document work may proceed.</p> <p>3. <input type="checkbox"/> Revise and Resubmit. Work may proceed subject to Resolution of Comments.</p> <p>4. <input type="checkbox"/> Revise and Resubmit. Work may not proceed.</p> <p>5. <input checked="" type="checkbox"/> Permission to proceed is not required.</p> <p><i>PKg 31708</i></p>	
<p>Permission to proceed does not constitute acceptance or approval of design details, calculations, test methods, analysis or materials developed or selected by the supplier, and does not relieve supplier from full compliance with contractual obligations or release of any 'holds' placed on the contract.</p> <p><i>WB00001K - 058-A-MDM</i></p>	
Document Category	Date
<i>14.0</i>	<i>2/16/11</i>
Reviewer	
<i>Ramesh Patel</i>	

ENGINEERING DOC. CONTROL - SRS



00917464

2/14

Transmittal Letter

Contract # WB00001K
Submittal No.: 13210-43
Submittal Date: 2/14/10

To: Westinghouse Savannah River Company.
Building 730-4B
Aiken, SC 29808

PROJECT SUMMARY

Project Name: Z Area Vaults Project
Owner: U.S. Department of Energy
Contractor: MDM Services Corporation
Contractors Rep.: Martin Lunn

A/E Name: BSRI
A/E Rep.:
A/E Project:
STR.: Karl Weis

Submittal Summary
Watertightness Test Reports

Section	Paragraph	Item	Description	Remarks
13210	3.4.B.4.d	1	Tank Watertightness Test Reports	Hand Delivered

Notes:

Certification Statement:

By this submittal, I hereby certify that the above submitted item(s) have been reviewed in detail and are correct and in strict conformance with the subcontract documents as noted.



Date: _____

By: _____

2/14/10

3/14



February 10, 2011

VIA EMAIL
james.loftis@srs.gov

SRS-ZV2011-001

Subcontracts Specialist
Savannah River Remediation, Inc.
730-2B
Aiken, SC 29808
ATTN: Mr. Jim Loftis

**SUBJECT: WB00001K – Z Area Vaults 2
Tank Hydrotest Acceptance**

**REFERENCE: WB00001K-046-F-MDM Dated 12/15/10
Dye Injection Procedure 000727152**

Dear Mr. Loftis:

As requested, MDM confirms our acceptance of the tank 2A and tank 2B hydrotests. Testing and inspections were performed with SRR QCI support and as required by the procedure referenced above. All required acceptance criteria provided in the procedure were met. Daily visual inspections were performed per the referenced procedure and no dye was detected.

After the required 24hr hold period, Tank 2A hydrotesting commenced on January 26, 2011 and was successfully completed on February 1, 2011. After the required 24hr hold period, Tank 2B hydrotesting commenced on February 4, 2011 and was successfully completed on February 10, 2011.

If you should have any questions, please do not hesitate to contact me.

Sincerely,
MDM Services Corporation, Inc.

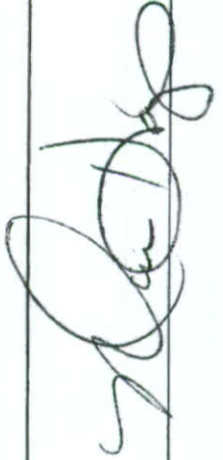
Martin D. Lunn
Manager of Construction Services

CC: Cynthia Williams, Scott State
File

MDM
TANK 2A FILL DATA

5/14

DATE	TIME	INCHES	OBSERVATIONS
1 1/19/2011	11:35	0	STARTED FILL
2 1/19/2011	14:30	6	CHECKED BY MARION HARP
3 1/20/2011	07:30	24	CHECKED BY MARION HARP
4 1/21/2011	11:30	55	CHECKED BY MARTIN LUNN
5 1/22/2011	12:00	81	CHECKED BY KARL WEIS SRR STR
6 1/23/2011	14:30	109	CHECKED BY MARTIN LUNN
7 1/24/2011	11:30	130	CHECKED BY MARION HARP
8 1/24/2011	16:30	137	CHECKED BY MARION HARP CUT WATER OFF TIL NEXT MORNING
9 1/25/2011	07:00	137	CHECKED BY MARION HARP CUT WATER ON FOR FINAL TOP-OFF
10 1/25/2011	11:35	144	CHECKED BY MARION HARP CUT WATER OFF TANK FULL TO TEST HEIGHT
11			
12			
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14			
15			
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17			
18			
19			
20			
21			
22			
COMMENTS			



MDM SUPERINTENDENT _____ MARION HARP

MDM

DYE TEST TANK 2A DATE 1/20/2011

6/14

A	B	C	D	E	F	G	H	
SAMPLE		TIME	QTY	TIME	DATE	INSERTED BY	VERIFIED BY	
2		DYE INSERTED		CIRCULATED				
3	CAMERA PORT #1	14:10-----14:25	55 GALLONS	DYE MIXING WITH FILL	1/20/2011	MARION HARP	SRR	
4	CAMERA PORT #2	13:50-----14:05	55 GALLONS	DYE MIXING WITH FILL	1/20/2011	MARION HARP	SRR	
5	CAMERA PORT #3	13:05-----13:20	55 GALLONS	DYE MIXING WITH FILL	1/20/2011	MARION HARP	SRR	
6	FILL DATES 1/19/11-----1/25/11 (SEE FILL DATA SHEET)							
7								
8	SAMPLES	DATE 1/25/2011		TAKEN BY			VERIFIED BY	
9	TAKEN							
10	TOP, BOTTOM & COMPOSITE 1			MARION HARP			SRR STR & QC	
11	TOP, BOTTOM & COMPOSITE 2			MARION HARP			SRR STR & QC	
12	TOP, BOTTOM & COMPOSITE 3			MARION HARP			SRR STR & QC	
13	TOP, BOTTOM & COMPOSITE 4			MARION HARP			SRR STR & QC	
14	TOP, BOTTOM & COMPOSITE 5			MARION HARP			SRR STR & QC	
15	TOP, BOTTOM & COMPOSITE 6			MARION HARP			SRR STR & QC	
16	TOP, BOTTOM & COMPOSITE 7			MARION HARP			SRR STR & QC	
17	TOP, BOTTOM & COMPOSITE 8			MARION HARP			SRR STR & QC	
18	TOP, BOTTOM & COMPOSITE 9			MARION HARP			SRR STR & QC	
19	TOP, BOTTOM & COMPOSITE 10			MARION HARP			SRR STR & QC	
20								
21	COMMENTS: TANK SAMPLES PROVED TO BE ACCEPTABLE, MIX CONCENTRATION AT 15:00 HRS							
22	1/25/2011. START SOAK TIME 15:00 HRS TO 15:00 HRS 1/26/2011							



MDM SUPERINTENDENT _____ MARION HARP

TEST START TIME 3:00 PM- DATE 1/26/2011 MDM 132 HR LEAK TEST TANK 2A TIME 5:20 AM DATE 2/1/2011 TEST COMPLETE

DATE	LOCATION	INDICATIONS	TIME	SWIPED BY	WITNESSED BY	VERIFIED BY	COMMENTS
1 1/27/2011	WALLS	NONE	13:30 PM	N/A *	TIM LEMASTERS	J.P. BEARD	* ₁ SEE GENERAL NOTE BELOW
2 1/27/2011	CURB TO WALL	NONE	TO	N/A *	TIM LEMASTERS	J.P. BEARD	
3 1/27/2011	LOWER CURB	NONE	15:00 PM	A.J. LEWIS	TIM LEMASTERS	J.P. BEARD	
1 1/28/2011	WALLS	NONE	10:00 AM	N/A	TIM LEMASTERS	J.P. BEARD	
2 1/28/2011	CURB TO WALL	NONE	TO	N/A	TIM LEMASTERS	J.P. BEARD	
3 1/28/2011	LOWER CURB	NONE	12 NOON	A.J. LEWIS	TIM LEMASTERS	J.P. BEARD	
1 1/29/2011	WALLS	NONE	10:00 AM	N/A	MARION HARP	PETE WIGGINS	
2 1/29/2011	CURB TO WALL	NONE	TO	N/A	MARION HARP	PETE WIGGINS	
3 1/29/2011	LOWER CURB	NONE	11:15 AM	A.J. LEWIS	MARION HARP	PETE WIGGINS	
1 1/30/2011	WALLS	NONE	9:00 AM	N/A	MARION HARP	PETE WIGGINS	
2 1/30/2011	CURB TO WALL	NONE	TO	N/A	MARION HARP	PETE WIGGINS	
3 1/30/2011	LOWER CURB	NONE	10:15 AM	T. MAHONEY	MARION HARP	PETE WIGGINS	
1 1/31/2011	WALLS	NONE	7:00 AM	N/A	MARION HARP	J.P. BEARD	
2 1/31/2011	CURB TO WALL	NONE	TO	N/A	MARION HARP	J.P. BEARD	
3 1/31/2011	LOWER CURB	NONE	8:15 AM	T. MAHONEY	MARION HARP	J.P. BEARD	
1 2/1/2011	WALLS	NONE	3:00 AM	N/A	MARION HARP	J.P. BEARD	
2 2/1/2011	CURB TO WALL	NONE	TO	N/A	MARION HARP	J.P. BEARD	
3 2/1/2011	LOWER CURB	NONE	5:20 AM	T. MAHONEY	MARION HARP	J.P. BEARD	
COMMENTS: TEST START @ 15:00 HRS ON 1/26/2011 AND COMPLETED @ 5:20 HRS ON 2/1/2011. NO INDICATIONS NOTED.							
TEST ACCEPTED. SWIPE TESTS ARE ONLY APPLICABLE AT LOWER CURB. WALL AND CURB TO WALLS IS VISUAL							
INSPECTION ONLY.							

Marion Harp

MARION HARP

MDM SUPERINTENDENT

7/14

MDM
TANK 2B BASELINE

DATE	BASELINE OBSERVATION	TANK 2B	WITNESSED BY	VERIFIED BY		
1 1/28/2011	LOWER HDPE JOINT	TANK 2B	TIM LEMASTERS	SRR QC		
2 1/28/2011	WALL TO CURB INTERFACE	TANK 2B	TIM LEMASTERS	SRR QC		
3 1/27/2011	WALL FACE	TANK 2B	TIM LEMASTERS	SRR QC		
COMMENTS: BASELINE ACCEPTED						

MDM SUPERINTENDENT




MARION HARP

8/14

MDM
TANK 2B FILL DATA

DATE	TIME	INCHES	OBSERVATIONS
1 2/1/2011	11:30 AM	0	STARTED FILL WITH Crossover
2 2/1/2011	13:30	5	FILL GOING GOOD NO SIGNS OF DEFICIENCIES IN CROSSOVER PIPE
3 2/1/2011	14:15	N/A	STARTED FILL WITH DOMESTIC WATER LINE
4 2/1/2011	16:45	18	CROSSOVER PUMP AND DOMESTIC LINE FILLING TANK
5 2/2/2011	8:30 AM	70	FILL CONTINUEING WITH PUMP AND DOMESTIC LINE
6 2/2/2011	13:45	N/A	CUT DOMESTIC WATER FILL LINE OFF
7 2/2/2011	14:00	104	HARD MEASUREMNET NOW THAT DOMESTIC LINE IS OFF
8 2/2/2011	3:00 PM	106	GETTING 2" PER HR WITH JUST THE CROSSOVER PUMP RUNNING
9 2/3/2011	7:30 AM	148	TOPPED OUT ON FILL, CUT CROSSOVER FILL LINE , 4 INCHES
10			OVER FULL
11			
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21			
22			
COMMENTS			

9/14

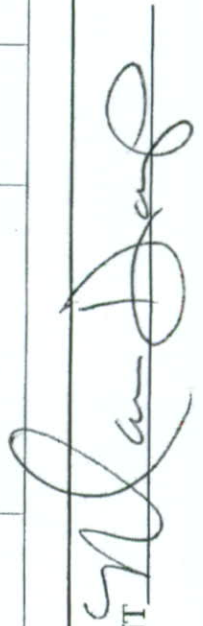
MDM SUPERINTENDENT  MARION HARP

MDM

DYE TEST TANK 2B DATE 2/02/2011

10/14

A	B	C	D	E	F	G	H	
1	SAMPLE	TIME	QTY	TIME	DATE	INSERTED BY	VERIFIED BY	
2	LOCATION	DYE INSERTED		CIRCULATED				
3	CAMERA PORT #1	10:30---10:35	15 GALLONS	DYE MIXING WITH FILL	2/2/2011	MARION HARP	SRR	
4	CAMERA PORT #2	10:44---10:47	10 GALLONS	DYE MIXING WITH FILL	2/2/2011	MARION HARP	SRR	
5	CAMERA PORT #3	10:38---10:42	10 GALLONS	DYE MIXING WITH FILL	2/2/2011	MARION HARP	SRR	
6	FILL DATES 2/1/2011---2/3/2011 (SEE FILL DATA SHEET)							
7								
8	SAMPLES	2/3/2011		TAKEN BY			VERIFIED BY	
9	TAKEN							
10	TOP, BOTTOM,& COMPOSITE 1			MARION HARP			SRR STR & QC	
11	TOP, BOTTOM,& COMPOSITE 2			MARION HARP			SRR STR & QC	
12	TOP, BOTTOM,& COMPOSITE 3			MARION HARP			SRR STR & QC	
13	TOP, BOTTOM,& COMPOSITE 4			MARION HARP			SRR STR & QC	
14	TOP, BOTTOM,& COMPOSITE 5			MARION HARP			SRR STR & QC	
15	TOP, BOTTOM,& COMPOSITE 6			MARION HARP			SRR STR & QC	
16	TOP, BOTTOM,& COMPOSITE 7			MARION HARP			SRR STR & QC	
17	TOP, BOTTOM,& COMPOSITE 8			MARION HARP			SRR STR & QC	
18	TOP, BOTTOM,& COMPOSITE 9			MARION HARP			SRR STR & QC	
19	TOP, BOTTOM,& COMPOSITE 10			MARION HARP			SRR STR & QC	
20	COMMENTS: TANK SAMPLES PROVED ACCEPTABLE, MIX CONCENTRATION AT 11:00 2/3/2011. START SOAK TIME AT							
21	11:00 2/3/2011 TO 2/4/2011.							
22								



MDM SUPERINTENDENT MARION HARP

TEST START

TIME 11:00 AM - DATE 2/4/2011

MDM

132 HR LEAK TEST TANK 2B

TIME 01:15AM

DATE 2/10/2011

TEST COMPLETE

DATE	LOCATION	VISUAL INDICATIONS	TIME	SWIPED BY	WITNESSED BY	VERIFIED BY	COMMENTS
1	2/4/2011 WALLS	RAIN	N/A	TO WET TO TEST	MARION HARP	J.P. BEARD	
2	2/4/2011 CURB TO WALL	RAIN	N/A	TO WET TO TEST	MARION HARP	J.P. BEARD	
3	2/4/2011 LOWER CURB	RAIN	N/A	TO WET TO TEST	MARION HARP	J.P. BEARD	
1	2/5/2011 WALLS	RAIN	N/A	TO WET TO TEST	MARION HARP	J.P. BEARD	
2	2/5/2011 CURB TO WALL	RAIN	N/A	TO WET TO TEST	MARION HARP	J.P. BEARD	
3	2/5/2011 LOWER CURB	RAIN	N/A	TO WET TO TEST	MARION HARP	J.P. BEARD	
1	2/6/2011 WALLS	NONE	9:00AM	N/A *1	MARION HARP	J.P. BEARD	*1 SEE GENERAL NOTE BELOW
2	2/6/2011 CURB TO WALL	NONE	TO	N/A *1	MARION HARP	J.P. BEARD	
3	2/6/2011 LOWER CURB	NONE	11:00AM	MARION HARP	MARION HARP	J.P. BEARD	
1	2/7/2011 WALLS	NONE	10:00AM	N/A	MARION HARP	PETE WIGGINS	
2	2/7/2011 CURB TO WALL	NONE	TO	N/A	MARION HARP	PETE WIGGINS	
3	2/7/2011 LOWER CURB	NONE	11:20AM	T. MAHONEY	MARION HARP	PETE WIGGINS	
1	2/8/2011 WALLS	NONE	2:00 PM	N/A	MARION HARP	J.P. BEARD	
2	2/8/2011 CURB TO WALL	NONE	TO	N/A	MARION HARP	J.P. BEARD	
3	2/8/2011 LOWER CURB	NONE	4:00 PM	T. MAHONEY	MARION HARP	J.P. BEARD	
1	2/9/2011 WALLS	NONE	9:00AM	N/A	MARION HARP	J.P. BEARD	
2	2/9/2011 CURB TO WALL	NONE	TO	N/A	MARION HARP	J.P. BEARD	
3	2/9/2011 LOWER CURB	NONE	11:15AM	A.J. LEWIS	MARION HARP	J.P. BEARD	
COMMENTS :							
*1 SWIPE TEST ARE ONLY APPLICABLE AT LOWER CURB, WALL AND CURB TO WALL IS VISUAL INSPECTION ONLY.							

11/4



MDM SUPERINTENDENT

MARION HARP

TEST START

MDM

TEST COMPLETE

TIME 11:00 AM - DATE 2/4/2011

132 HR LEAK TEST TANK 2B

TIME 01:15AM

DATE 2/10/2011

1	2/9-2/10/2011	WALLS	NONE	11:15PM	N/A *1	MARION HARP	J.P. BEARD	*1 SEE GENERAL NOTE BELOW
2	2/9-2/10/2011	CURB TO WALL	NONE	TO	N/A *1	MARION HARP	J.P. BEARD	
3	2/9-2/10/2011	LOWER CURB	NONE	01:15AM	T. MAHONEY	MARION HARP	J.P. BEARD	
COMMENTS : TEST START 11:00 ON 2/4/2011 AND COMPLETED AT 01:15 ON 2/10/2011 NO INDICATIONS								
TEST ACCEPTED. SWIPE TEST ARE ONLY APPLICABLE AT LOWER CURB. WALL AND CURB TO WALLS IS VISUAL INSPECTION OF								

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MDM SUPERINTENDENT

MARION HARP

12/14

13/14



01.25.2011 14:44

14/14



02.03.2011 10:54