

CENTER FOR NUCLEAR WASTE
REGULATORY ANALYSES

Glass Dissolution
Study

Notebook 314

1 of 2

308 -- Q200009250002
Scientific Notebook # 314 (1 of 2)

Notebook 1 of 2

Yi-Ming Pan

ext. 6640

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	72-199

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INDEX

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Scientific notebook entry for Glass Dissolution Study.

Title: Glass durability tests, both PCT test specified in ASTM C1285-97 and long-term test.

Tests Performed by: Yi-Ming Pan, Vijay Jain, Steve Clay.

Objectives: Determine the effect of salt solution on the dissolution rate of standard EA glass and simulated waste glasses.

Equipments: Type 304L test vessels, Fisher Isotemp Model 838F oven, Tekmar Type A-10 analytical mill, ATM Model L3P Sonic Sifter separator, ASTM standard sieves, Ohaus Model TS400D balance, Fisher pH meter.

Materials: DWPF standard environmental assessment glass(EA), DWPF Blend 1 waste glass, supplied by Westinghouse Savannah River Co. and WVNS Reference 6 glass supplied by West Valley Nuclear Services Co.

Measurement Parameters: pH, temperature, mass, cation content.

Required Level of Accuracy: pH: ± 0.1 pH units, temperature: $\pm 2.0^\circ\text{C}$, mass: 0.25% of the mass to be measured, cation content: meeting the requirements of ASTM C1109.

Uncertainty and Sources of Error: Reproducibility of the experimental variables over time such as oven temperature, sieving, leachate analyses, etc. The results from the standard EA glass will allow assessment of possible long term bias.

Yi-Ming Pan 3/19/99

Cleaning of Used Stainless Steel Vessels for PCT Tests

Cleanup of vessels was performed using ASTM C1285-97 Section 15
This batch is to be referred to as batch 3-18-99 and the following
chart shows vessel ID with initial pH & silical levels after cleaning.

1-001	5.790 pH	0 ppb	X dissolution factor of 5 = 0
1-002	6.042	0	0
1-003	5.970	0	0
1-004	6.510	8	40
1-005	6.651	0	0
1-006	6.756	3	15
1-007	6.215	3	15
1-008	5.610	0	0
1-022	5.857	11	55
1-031	5.780	0	0
1-032	5.602	2	2
1-033	5.540	3	3
1-110	5.530	0	0
1-111	5.578	0	0
1-112	5.545	0	0
1-113	5.858	0	0
1-114	5.717	1	5
1-116	5.643	7	35
1-117	5.649	5	25
1-120	5.653	5	25
1-121	5.700 pH	0	0

[Signature] 3-29-99

Grinding Glass Specimens

Grinding glass specimens done according to ASTM 1285-97 Section 19

DWPF Blend 1 (Average) Waste Glass

~~40g~~ 40g of raw material ground, sieved and cleaned produced 16.15g +100-200
sieve *[Signature]* 3-22-99

DWPF Environmental Assessment Standard Reference Material

40g of raw material ground, sieved and cleaned produced 17.6g +100-200
sieve *[Signature]* 3-24-99

Glass Frit Beads

40g of raw glass ground, sieved, and cleaned produced 15.5g +100-200
sieve *[Signature]* 3-24-99

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[Signature] 3-29-99

Test Matrix for Glass Dissolution Study (SS Vessels)

Test Matrix for Glass Dissolution Study (Stainless Steel Vessels)

I. PCT Tests

Test #	Solution	Glass	#samples	Total	Test ID
1	Blank DI Water		2	2	BLANKP1,2
2	Deionized water	EA	3	5	EAP1,2,3
3	Deionized water	SRS	3	8	SRSP1,2,3
4	Deionized water	WVNS	3	11	WVNSP1,2,3

II. Long-Term Tests

Test #	Solution	Glass	#samples	Total	Test ID
1	Blank DI Water	-	2	2	BLANKL1,2
2	Deionized water	EA	3	5	EAW1,2,3
3	Deionized water	SRS	3	8	SRSW1,2,3
4	Deionized water	WVNS	3	11	WVNSW1,2,3
5	0.25 M FeCl ₂	SRS	3	14	SRSHF2-1,2,3
6	0.25 M FeCl ₂	WVNS	3	17	WVNSHF2-1,2,3
7	0.25 M FeCl ₃	SRS	3	20	SRSHF3-1,2,3
8	0.25 M FeCl ₃	WVNS	3	23	WVNSHF3-1,2,3
9	0.0025 M FeCl ₂	SRS	3	26	SRS LF2-1,2,3
10	0.0025 M FeCl ₂	WVNS	3	29	WVNS LF2-1,2,3
11	0.0025 FeCl ₃	SRS	3	32	SRS LF3-1,2,3
12	0.0025 FeCl ₃	WVNS	3	35	WVNS LF3-1,2,3

Designation of Test ID :

Eg. Test # 12 WVNS L F3 - 1
 | | | |
 glass low conc. FeCl₃ test #
 type

3-29-99

III. Additional Long-Term Tests w/o Solution Replacement (Long-Term PCT Tests)

Test #	Solution	Glass	#samples	Total	Test ID
1	Deionized water	SRS	3	3	SRSW6M1,2,3
2	Deionized water	WVNS	3	6	WVNSW6M1,2,3
3	0.25 M FeCl ₂	SRS	3	9	SRSHF26M-1,2,3
4	0.25 M FeCl ₂	WVNS	3	12	WVNSHF26M-1,2,3
5	0.25 M FeCl ₃	SRS	3	15	SRSHF36M-1,2,3
6	0.25 M FeCl ₃	WVNS	3	18	WVNSHF36M-1,2,3

TV Reference solution tests

Test #	Solution	Glass	# sample	Test ID
13	0.25 M Fe Cl ₂	-	2	BLANKHF2-1,2
14	0.25 M Fe Cl ₃	-	2	BLANKHF3-1,2

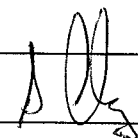
3/29/99

PCT DATA SHEET

Test ID BLANK P1Vessel ID No. 1-001Batch Cleaning No. 3-18-99Glass Sample ID BLANKSample Weight (g) N/ASample Preparation Date N/AType of Solution Type 1 WaterLeachant Volume (ml) 30mlInitial pH of Leachant 5.505Weight of Empty Vessel (g) 265.95Weight of Vessel + Sample (g) N/A2nd Weight of Sample (Difference of the last two items) (g) N/ATotal Weight of Vessel + Sample + Solution (g) 295.91Final Total Weight After Test (g) 295.89Test Temperature 90°CDate and Time Test Started (d:hr:min) 3-29-99 15:05Date and Time Test Ended (d:hr:min) 4-5-99 13:18Final pH of Leachate 5.405

Cation Analysis No. _____

Dilution Factor _____

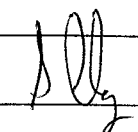
 4-5-99

PCT DATA SHEET

Test ID BLANK P2Vessel ID No. 1-002Batch Cleaning No. 3-18-99Glass Sample ID BLANKSample Weight (g) N/ASample Preparation Date N/AType of Solution Type 1 WaterLeachant Volume (ml) 30mlInitial pH of Leachant 5.505Weight of Empty Vessel (g) 266.88Weight of Vessel + Sample (g) N/A2nd Weight of Sample (Difference of the last two items) (g) N/ATotal Weight of Vessel + Sample + Solution (g) 296.69Final Total Weight After Test (g) 296.68Test Temperature 90°CDate and Time Test Started (d:hr:min) 3-29-99 15:05Date and Time Test Ended (d:hr:min) 4-5-99 13:18Final pH of Leachate 5.413

Cation Analysis No. _____

Dilution Factor _____

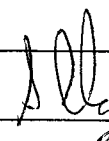
 4-5-99

PCT DATA SHEET

Test ID EAP1Vessel ID No. 1-003Batch Cleaning No. 3-18-99Glass Sample ID EASample Weight (g) 3.005Sample Preparation Date 3-25-99Type of Solution Type 1 waterLeachant Volume (ml) 30 mlInitial pH of Leachant 5.505Weight of Empty Vessel (g) 274.03Weight of Vessel + Sample (g) 277.032nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 306.39Final Total Weight After Test (g) 306.39Test Temperature 90°CDate and Time Test Started (d:hr:min) 3-29-99 15:05Date and Time Test Ended (d:hr:min) 4-5-99 13:18Final pH of Leachate 11.872

Cation Analysis No. _____

Dilution Factor _____

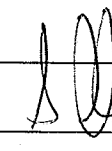
 4-5-99

PCT DATA SHEET

Test ID EAP2Vessel ID No. 1-004Batch Cleaning No. 3-18-99Glass Sample ID EA ⁴⁷⁰Sample Weight (g) 3.003Sample Preparation Date 3-25-99Type of Solution Type 1 waterLeachant Volume (ml) 30 mlInitial pH of Leachant 5.505Weight of Empty Vessel (g) 269.89Weight of Vessel + Sample (g) 272.892nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 302.06Final Total Weight After Test (g) 302.03Test Temperature 90°CDate and Time Test Started (d:hr:min) 3-29-99 15:05Date and Time Test Ended (d:hr:min) 4-5-99 13:18Final pH of Leachate 11.898

Cation Analysis No. _____

Dilution Factor _____

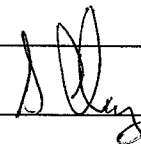
 4-5-99

PCT DATA SHEET

Test ID EAP3Vessel ID No. 1-005Batch Cleaning No. 3-18-99Glass Sample ID EASample Weight (g) 3.003Sample Preparation Date 3-25-99Type of Solution Type 1 waterLeachant Volume (ml) 30 mlInitial pH of Leachant 5.505Weight of Empty Vessel (g) 273.00Weight of Vessel + Sample (g) 276.002nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 305.44Final Total Weight After Test (g) 305.43Test Temperature 90°CDate and Time Test Started (d:hr:min) 3-29-99 15:05Date and Time Test Ended (d:hr:min) 4-5-99 13:18Final pH of Leachate 11.905

Cation Analysis No. _____

Dilution Factor _____

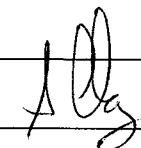
 4-5-99

PCT DATA SHEET

Test ID SRS P1Vessel ID No. 1-006Batch Cleaning No. 3-18-99Glass Sample ID SRSSample Weight (g) 3.003Sample Preparation Date 3-24-99Type of Solution Type 1 waterLeachant Volume (ml) 30 mlInitial pH of Leachant 5.505Weight of Empty Vessel (g) 273.66Weight of Vessel + Sample (g) 276.662nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 306.01Final Total Weight After Test (g) 305.86Test Temperature 90°CDate and Time Test Started (d:hr:min) 3-29-99 15:05Date and Time Test Ended (d:hr:min) 4-5-99 13:18Final pH of Leachate 10.527

Cation Analysis No. _____

Dilution Factor _____

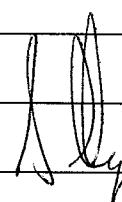
 4-5-99

PCT DATA SHEET

Test ID SRS P2Vessel ID No. 1-007Batch Cleaning No. 3-18-99Glass Sample ID SRSSample Weight (g) 3.004Sample Preparation Date 3-24-99Type of Solution Type 1 waterLeachant Volume (ml) 30 mlInitial pH of Leachant 5.505Weight of Empty Vessel (g) 268.23Weight of Vessel + Sample (g) 271.232nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 300.82Final Total Weight After Test (g) 300.72Test Temperature 90°CDate and Time Test Started (d:hr:min) 3-29-99 15:05Date and Time Test Ended (d:hr:min) 4-5-99 13:18Final pH of Leachate 10.510

Cation Analysis No. _____

Dilution Factor _____

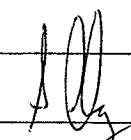
 4-5-99

PCT DATA SHEET

Test ID SRS P3Vessel ID No. 1-008Batch Cleaning No. 3-18-99Glass Sample ID SRSSample Weight (g) 3.005Sample Preparation Date 3-24-99Type of Solution Type 1 waterLeachant Volume (ml) 30 mlInitial pH of Leachant 5.505Weight of Empty Vessel (g) 267.04Weight of Vessel + Sample (g) 270.042nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 299.09Final Total Weight After Test (g) 298.98Test Temperature 90°CDate and Time Test Started (d:hr:min) 3-29-99 15:05Date and Time Test Ended (d:hr:min) 4-5-99 13:18Final pH of Leachate 10.518

Cation Analysis No. _____

Dilution Factor _____

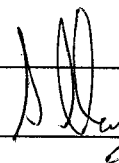
 4-5-99

PCT DATA SHEET

Test ID WVNS P1Vessel ID No. 1-110Batch Cleaning No. 3-18-99Glass Sample ID WVNSSample Weight (g) 3.006Sample Preparation Date 3-26-99Type of Solution Type 1 WaterLeachant Volume (ml) 30 mlInitial pH of Leachant 5.505Weight of Empty Vessel (g) 268.13Weight of Vessel + Sample (g) 271.132nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 300.71Final Total Weight After Test (g) 300.67Test Temperature 90°CDate and Time Test Started (d:hr:min) 3-29-99 15:05Date and Time Test Ended (d:hr:min) 4-5-99 13:18Final pH of Leachate 10.632

Cation Analysis No. _____

Dilution Factor _____

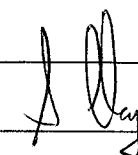
 4-5-99

PCT DATA SHEET

Test ID WVNS P2Vessel ID No. 1-111Batch Cleaning No. 3-18-99Glass Sample ID WVNSSample Weight (g) 3.004Sample Preparation Date 3-26-99Type of Solution Type 1 WaterLeachant Volume (ml) 30 mlInitial pH of Leachant 5.505Weight of Empty Vessel (g) 267.61Weight of Vessel + Sample (g) 270.612nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 300.54Final Total Weight After Test (g) 300.46Test Temperature 90°CDate and Time Test Started (d:hr:min) 3-29-99 15:05Date and Time Test Ended (d:hr:min) 4-5-99 13:18Final pH of Leachate 10.630

Cation Analysis No. _____

Dilution Factor _____

 4-5-99

PCT DATA SHEET

Test ID WVNS P3
Vessel ID No. 1-112 Batch Cleaning No. 3-18-99
Glass Sample ID WVNS
Sample Weight (g) 3.003
Sample Preparation Date 3-26-99
Type of Solution Type 1 Water
Leachant Volume (ml) 30 ml
Initial pH of Leachant 5.505
Weight of Empty Vessel (g) 273.18
Weight of Vessel + Sample (g) 276.19
2nd Weight of Sample (Difference of the last two items) (g) 3.01
Total Weight of Vessel + Sample + Solution (g) 305.85
Final Total Weight After Test (g) 305.72
Test Temperature 90°C
Date and Time Test Started (d:hr:min) 3-29-99 15:05
Date and Time Test Ended (d:hr:min) 4-5-99 13:18
Final pH of Leachate 10.631
Cation Analysis No. _____ Dilution Factor _____

[Signature] 4-5-99

cleaning of used stainless steel vessels for Long-Term Tests

Cleaning of vessels was performed using ASTM C1285-97 Section 15
This batch is to be referred to as batch 4-16-99. The following
chart shows vessel ID with pH + silice levels after cleaning. (Silica X 2.85 = ppb)

Vessel ID	pH	Silica	Vessel ID	pH	Silica
I-001	5.324	5	I-037	9.590	N/A
002	6.850	0	023	7.404	N/A
003	6.233	249 Fail	024	8.750	N/A
004	6.282	175 Fail	025	7.741	N/A
005	6.032	179 Fail	026	6.340	N/A
006	6.010	395 Fail	038	6.510	N/A
007	5.830	244 Fail	039	8.695	N/A
008	5.783	176 Fail	040	9.550	N/A
110	5.760	158 Fail	125	6.650	113 Fail
111	5.816	217 Fail	126	5.740	6
112	5.713	96 Fail	127	5.183	28 Fail
114	5.610	2	128	5.040	46 Fail
115	5.605	2	129	5.001	3
116	5.578	4	130	5.054	15
117	5.543	2	131	5.043	10
118	5.370	2	132	5.110	13
027	5.333	15 2 ^{WTP} 4/16/99	133	5.205	10
028	5.380	7	134	6.030	13
029	5.389	20	135	5.950	14
030	9.429	N/A	136	5.770	392 Fail
034	8.363	N/A	137	5.098	15
035	9.535	N/A	138	5.069	9
036	9.919	N/A	139	5.125	93 Fail

[Signature] 4-16-99

[illegible]

Vessel ID	PH	Silica				
I-003	6.042	13				
004	6.088	4				
005	5.674	8				
006	5.889	16				
007	5.486	14				
008	5.289	3				
110	5.390	-6				
111	5.583	-4				
112	5.612	-6				
125	5.375	-4				
127	5.484	-2				
128	5.485	0				
136	5.579	70	Fail	PH 5.813	Silica 7.7	5-11-99
139	5.330	14				

5-9-99

LONG-TERM TEST DATA SHEET

Test ID Blank L1Vessel ID No. I-001Batch Cleaning No. 4-16-99Glass Sample ID N/ASample Weight (g) N/ASample Preparation Date N/AType of Solution DI waterLeachant Volume (ml) 30 mlInitial pH of Leachant 5.910Weight of Empty Vessel (g) 265.95Weight of Vessel + Sample (g) 265.952nd Weight of Sample (Difference of the last two items) (g) N/ATotal Weight of Vessel + Sample + Solution (g) 294.89Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99; 15:45Final pH of Leachate 4.822Cation Analysis No. 001-1

Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 5/21/99; 10:52Initial pH of Leachant 5.730Final pH of Leachate 5.565Cation Analysis No. 001-2Dilution Factor 5.565# 2 Leachant Replacement Date and Time(d:hr:min) 5/25/99; 11:00Initial pH of Leachant 5.712Final pH of Leachate 5.462Cation Analysis No. 001-3

Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 5/28/99; 10:10Initial pH of Leachant 6.056Final pH of Leachate 5.462Cation Analysis No. 001-4

Dilution Factor _____

4 Leachant Replacement Date and Time(d:hr:min) 6/1/99; 9:35Initial pH of Leachant 7.502Final pH of Leachate 5.743Cation Analysis No. 001-5

Dilution Factor _____

5 Leachant Replacement Date and Time(d:hr:min) 6/4/99; 10:00Initial pH of Leachant 5.517

Final pH of Leachate _____

Cation Analysis No. _____

Dilution Factor _____

Test stopped due to vessel corrosion.

Y. Pa
6/4/99

LONG-TERM TEST DATA SHEET

Test ID Blank L2Vessel ID No. I-002Batch Cleaning No. 4-16-99Glass Sample ID N/ASample Weight (g) N/ASample Preparation Date N/AType of Solution DI waterLeachant Volume (ml) 30 mlInitial pH of Leachant 5.910Weight of Empty Vessel (g) 266.90Weight of Vessel + Sample (g) 266.902nd Weight of Sample (Difference of the last two items) (g) N/ATotal Weight of Vessel + Sample + Solution (g) 295.79Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99; 15:45Final pH of Leachate 5.322Cation Analysis No. 002-1

Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 5/21/99; 10:52Initial pH of Leachant 5.730Final pH of Leachate 5.697Cation Analysis No. 002-2

Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 5/25/99; 10:00Initial pH of Leachant 5.712Final pH of Leachate 5.962Cation Analysis No. 002-3

Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 5/28/99; 10:10Initial pH of Leachant 6.056Final pH of Leachate 5.861Cation Analysis No. 002-4

Dilution Factor _____

4 Leachant Replacement Date and Time(d:hr:min) 6/1/99; 10:00 9:35Initial pH of Leachant 7.502Final pH of Leachate 6.003Cation Analysis No. 002-5

Dilution Factor _____

5 Leachant Replacement Date and Time(d:hr:min) 6/4/99; 10:00Initial pH of Leachant 5.517

Final pH of Leachate _____

Cation Analysis No. _____

Dilution Factor _____

Test stopped due to vessel corrosion.

Y. Pa
6/4/99

LONG-TERM TEST DATA SHEET

Test ID EAW 1

Vessel ID No. I-003

Batch Cleaning No. S-7-99

Glass Sample ID EA

Sample Weight (g) 2.998

Sample Preparation Date 5-4-99

Type of Solution DI water

Leachant Volume (ml) 30 ml

Initial pH of Leachant 5.910

Weight of Empty Vessel (g) 273.98

Weight of Vessel + Sample (g) 276.98

2nd Weight of Sample (Difference of the last two items) (g) 3.00

Total Weight of Vessel + Sample + Solution (g) 305.92

Test Temperature 90°C

Date and Time Test Started (d:hr:min) 5/18/99; 15:45

Final pH of Leachate 11.869

Cation Analysis No. 003-1

Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 5/21/99; 10:52

Initial pH of Leachant 5.730

Final pH of Leachate 11.794

Cation Analysis No. 003-2

Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 5/25/99; 11:00

Initial pH of Leachant 5.712

Final pH of Leachate 11.668

Cation Analysis No. 003-3

Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 5/26/99; 10:10

Initial pH of Leachant 6.056

Final pH of Leachate 11.590

Cation Analysis No. 003-4

Dilution Factor _____

4 Leachant Replacement Date and Time(d:hr:min) 6/1/99; 10:00 9:35

Initial pH of Leachant 7.502

Final pH of Leachate 11.598

Cation Analysis No. 003-5

Dilution Factor _____

5 Leachant Replacement Date and Time(d:hr:min) 6/4/99; 10:00

Initial pH of Leachant 5.517

Final pH of Leachate _____

Cation Analysis No. _____

Dilution Factor _____

Test stopped due to vessel corrosion.

Y. Pan
6/4/99

LONG-TERM TEST DATA SHEET

Test ID EAW 2

Vessel ID No. I-004

Batch Cleaning No. S-7-99

Glass Sample ID EA

Sample Weight (g) 3.001

Sample Preparation Date 5-4-99

Type of Solution DI water

Leachant Volume (ml) 30 ml

Initial pH of Leachant 5.910

Weight of Empty Vessel (g) 269.91

Weight of Vessel + Sample (g) 272.91

2nd Weight of Sample (Difference of the last two items) (g) 3.00

Total Weight of Vessel + Sample + Solution (g) 301.83

Test Temperature 90°C

Date and Time Test Started (d:hr:min) 5/18/99; 15:45

Final pH of Leachate 11.898

Cation Analysis No. 004-1

Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 5/21/99; 10:52

Initial pH of Leachant 5.730

Final pH of Leachate 11.818

Cation Analysis No. 004-2

Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 5/25/99; 11:00

Initial pH of Leachant 5.712

Final pH of Leachate 11.710

Cation Analysis No. 004-3

Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 5/26/99; 10:10

Initial pH of Leachant 6.056

Final pH of Leachate 11.609

Cation Analysis No. 004-4

Dilution Factor _____

4 Leachant Replacement Date and Time(d:hr:min) 6/1/99; 10:00 9:35

Initial pH of Leachant 7.502

Final pH of Leachate 11.605

Cation Analysis No. 004-5

Dilution Factor _____

5 Leachant Replacement Date and Time(d:hr:min) 6/4/99; 10:00

Initial pH of Leachant 5.517

Final pH of Leachate _____

Cation Analysis No. _____

Dilution Factor _____

Test stopped due to vessel corrosion.

Y. Pan
6/4/99

LONG-TERM TEST DATA SHEET

Test ID EAW3
Vessel ID No. I-005 Batch Cleaning No. S-7-99
Glass Sample ID EA
Sample Weight (g) 3.000
Sample Preparation Date 5-4-99
Type of Solution D1 Water
Leachant Volume (ml) 30 ml
Initial pH of Leachant 5.910
Weight of Empty Vessel (g) 273.03
Weight of Vessel + Sample (g) 276.02
2nd Weight of Sample (Difference of the last two items) (g) 2.99
Total Weight of Vessel + Sample + Solution (g) 305.09
Test Temperature 90°C
Date and Time Test Started (d:hr:min) 5/18/99; 15:45
Final pH of Leachate 11.898
Cation Analysis No. 005-1 Dilution Factor _____
1 Leachant Replacement Date and Time(d:hr:min) 5/21/99; 10:52
Initial pH of Leachant 5.730 Final pH of Leachate 11.825
Cation Analysis No. 005-2 Dilution Factor _____
2 Leachant Replacement Date and Time(d:hr:min) 5/25/99; 11:00
Initial pH of Leachant 5.712 Final pH of Leachate 11.702
Cation Analysis No. 005-3 Dilution Factor _____
3 Leachant Replacement Date and Time(d:hr:min) 5/28/99; 10:10
Initial pH of Leachant 6.056 Final pH of Leachate 11.609
Cation Analysis No. 005-4 Dilution Factor _____
4 Leachant Replacement Date and Time(d:hr:min) 6/1/99; 10:00 9.35
Initial pH of Leachant 7.502 Final pH of Leachate 11.654
Cation Analysis No. 005-5 Dilution Factor _____
5 Leachant Replacement Date and Time(d:hr:min) 6/4/99; 10:00
Initial pH of Leachant 5.517 Final pH of Leachate _____
Cation Analysis No. _____ Dilution Factor _____

Test stopped due to vessel corrosion.

W. Pan
6/4/99

LONG-TERM TEST DATA SHEET

Test ID SRSW1
Vessel ID No. I-006 Batch Cleaning No. S-7-99
Glass Sample ID SRS
Sample Weight (g) 3.001
Sample Preparation Date 5-3-99
Type of Solution D1 Water
Leachant Volume (ml) 30 ml
Initial pH of Leachant 5.910
Weight of Empty Vessel (g) 273.61
Weight of Vessel + Sample (g) 276.61
2nd Weight of Sample (Difference of the last two items) (g) 3.00
Total Weight of Vessel + Sample + Solution (g) 305.62
Test Temperature 90°C
Date and Time Test Started (d:hr:min) 5/18/99; 15:45
Final pH of Leachate 10.602
Cation Analysis No. 006-1 Dilution Factor _____
1 Leachant Replacement Date and Time(d:hr:min) 5/21/99; 10:52
Initial pH of Leachant 5.730 Final pH of Leachate 10.328
Cation Analysis No. 006-2 Dilution Factor _____
2 Leachant Replacement Date and Time(d:hr:min) 5/29/99; 8:11:00
Initial pH of Leachant 5.712 Final pH of Leachate 10.167
Cation Analysis No. 006-3 Dilution Factor _____
3 Leachant Replacement Date and Time(d:hr:min) 5/28/99; 10:10
Initial pH of Leachant 6.056 Final pH of Leachate 10.066
Cation Analysis No. 006-4 Dilution Factor _____
4 Leachant Replacement Date and Time(d:hr:min) 6/1/99; 10:00 9.35
Initial pH of Leachant 7.767 Final pH of Leachate 10.134
Cation Analysis No. 006-5 Dilution Factor _____
5 Leachant Replacement Date and Time(d:hr:min) 6/4/99; 10:00
Initial pH of Leachant 5.517 Final pH of Leachate _____
Cation Analysis No. _____ Dilution Factor _____

Test stopped due to vessel corrosion.

W. Pan
6/4/99

LONG-TERM TEST DATA SHEET

Test ID SRSW2Vessel ID No. I-007Batch Cleaning No. 5-7-99Glass Sample ID SRSSample Weight (g) 3.003Sample Preparation Date 5-3-99Type of Solution DI waterLeachant Volume (ml) 30mlInitial pH of Leachant 5.9/0Weight of Empty Vessel (g) ~~268.20~~ 268.21 ^{tmp} 5/18/99Weight of Vessel + Sample (g) 271.222nd Weight of Sample (Difference of the last two items) (g) 3.01Total Weight of Vessel + Sample + Solution (g) 300.42Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99; 15:45Final pH of Leachate 10.571Cation Analysis No. 007-1

Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 5/21/99; 10:52Initial pH of Leachant 5.730Final pH of Leachate 10.330Cation Analysis No. 007-2

Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 5/25/99; 11:00Initial pH of Leachant 5.712Final pH of Leachate ~~10.116~~ 10.116 ^{tmp} 6/14/99Cation Analysis No. 007-3

Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 5/28/99; 10:10Initial pH of Leachant 6.056Final pH of Leachate 10.070Cation Analysis No. 007-4

Dilution Factor _____

4 Leachant Replacement Date and Time(d:hr:min) 6/1/99; 10:00 ^{tmp} 9:35Initial pH of Leachant 7.502Final pH of Leachate 10.027Cation Analysis No. 007-5

Dilution Factor _____

5 Leachant Replacement Date and Time(d:hr:min) 6/4/99; 10:00Initial pH of Leachant 5.517

Final pH of Leachate _____

Cation Analysis No. _____

Dilution Factor _____

Test stopped due to vessel corrosion.JP
6/4/99

LONG-TERM TEST DATA SHEET

Test ID SRSW3Vessel ID No. I-008Batch Cleaning No. 5-7-99Glass Sample ID SRSSample Weight (g) 3.003Sample Preparation Date 5-3-99Type of Solution DI waterLeachant Volume (ml) 30mlInitial pH of Leachant 5.9/0Weight of Empty Vessel (g) 267.05Weight of Vessel + Sample (g) 270.062nd Weight of Sample (Difference of the last two items) (g) 3.01Total Weight of Vessel + Sample + Solution (g) 299.12Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99; 15:45Final pH of Leachate 10.588Cation Analysis No. 008-1

Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 5/21/99; 10:52Initial pH of Leachant 5.730Final pH of Leachate 10.324Cation Analysis No. 008-2

Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 5/25/99; 11:00Initial pH of Leachant 5.712Final pH of Leachate 10.117Cation Analysis No. 008-3

Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 5/28/99; 10:10Initial pH of Leachant 6.056Final pH of Leachate 10.095Cation Analysis No. 008-4

Dilution Factor _____

4 Leachant Replacement Date and Time(d:hr:min) 6/1/99; 10:00 ^{tmp} 9:35Initial pH of Leachant 7.502Final pH of Leachate 10.032Cation Analysis No. 008-5

Dilution Factor _____

5 Leachant Replacement Date and Time(d:hr:min) 6/4/99; 10:00Initial pH of Leachant 5.517

Final pH of Leachate _____

Cation Analysis No. _____

Dilution Factor _____

Test stopped due to vessel corrosion.JP
6/4/99

LONG-TERM TEST DATA SHEET

Test ID WVNSW1Vessel ID No. I-110Batch Cleaning No. 5-7-99Glass Sample ID WVNSSample Weight (g) 3.005Sample Preparation Date 5-3-99Type of Solution DI WaterLeachant Volume (ml) 30mlInitial pH of Leachant 5.910Weight of Empty Vessel (g) 268.13Weight of Vessel + Sample (g) 271.132nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 200.36Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99; 15:45Final pH of Leachate 10.525Cation Analysis No. 110-1

Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 5/21/99; 10:52Initial pH of Leachant 5.730Final pH of Leachate 10.299Cation Analysis No. 110-2

Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 5/25/99; 11:00Initial pH of Leachant 5.712Final pH of Leachate 10.230Cation Analysis No. 110-3

Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 5/28/99; 10:10Initial pH of Leachant 6.056Final pH of Leachate 10.205Cation Analysis No. 110-4

Dilution Factor _____

4 Leachant Replacement Date and Time(d:hr:min) 6/1/99; 10:00 9:35Initial pH of Leachant 7.502Final pH of Leachate 10.177Cation Analysis No. 110-5

Dilution Factor _____

5 Leachant Replacement Date and Time(d:hr:min) 6/4/99; 10:00Initial pH of Leachant 5.517

Final pH of Leachate _____

Cation Analysis No. _____

Dilution Factor _____

Test stopped due to vessel corrosionJP
6/4/99

LONG-TERM TEST DATA SHEET

Test ID WVNSW2Vessel ID No. I-111Batch Cleaning No. 5-7-99Glass Sample ID WVNSSample Weight (g) 3.004Sample Preparation Date 5-3-99Type of Solution DI WaterLeachant Volume (ml) 30mlInitial pH of Leachant 5.910Weight of Empty Vessel (g) 267.61Weight of Vessel + Sample (g) 270.612nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 299.74Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99; 15:45Final pH of Leachate 10.489Cation Analysis No. 111-1

Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 5/21/99; 10:52Initial pH of Leachant 5.730Final pH of Leachate 10.354Cation Analysis No. 111-2

Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 5/25/99; 11:00Initial pH of Leachant 5.712Final pH of Leachate 10.201Cation Analysis No. 111-3

Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 5/28/99; 10:10Initial pH of Leachant 6.056Final pH of Leachate 10.191Cation Analysis No. 111-4

Dilution Factor _____

4 Leachant Replacement Date and Time(d:hr:min) 6/1/99; 10:00 9:35Initial pH of Leachant 7.502Final pH of Leachate 10.006Cation Analysis No. 111-5

Dilution Factor _____

5 Leachant Replacement Date and Time(d:hr:min) 6/4/99; 10:00Initial pH of Leachant 5.517

Final pH of Leachate _____

Cation Analysis No. _____

Dilution Factor _____

Test stopped due to vessel corrosionJP
6/4/99

LONG-TERM TEST DATA SHEET

Test ID WVNSW3
Vessel ID No. I-112 Batch Cleaning No. S-7-99
Glass Sample ID WVNS
Sample Weight (g) 3.004
Sample Preparation Date 5-3-99
Type of Solution DI Water
Leachant Volume (ml) 30 ml
Initial pH of Leachant 5.910
Weight of Empty Vessel (g) 273.21
Weight of Vessel + Sample (g) 276.21
2nd Weight of Sample (Difference of the last two items) (g) 3.00
Total Weight of Vessel + Sample + Solution (g) 305.36
Test Temperature 90°C
Date and Time Test Started (d:hr:min) 5/18/99; 15:45
Final pH of Leachate 10.533
Cation Analysis No. 112-1 Dilution Factor _____
1 Leachant Replacement Date and Time(d:hr:min) 5/21/99; 10:52
Initial pH of Leachant 5.730 Final pH of Leachate 10.401
Cation Analysis No. 112-2 Dilution Factor _____
2 Leachant Replacement Date and Time(d:hr:min) 5/25/99; 11:00
Initial pH of Leachant 5.712 Final pH of Leachate 10.194
Cation Analysis No. 112-3 Dilution Factor _____
3 Leachant Replacement Date and Time(d:hr:min) 5/28/99; 10:10
Initial pH of Leachant 6.056 Final pH of Leachate 10.191
Cation Analysis No. 112-4 Dilution Factor _____
4 Leachant Replacement Date and Time(d:hr:min) 6/1/99; 10:00 9:35
Initial pH of Leachant 7.502 Final pH of Leachate 10.172
Cation Analysis No. 112-5 Dilution Factor _____
5 Leachant Replacement Date and Time(d:hr:min) 6/4/99; 10:00
Initial pH of Leachant 5.517 Final pH of Leachate _____
Cation Analysis No. _____ Dilution Factor _____

Test stopped due to vessel corrosion.

JJ Pan
6/4/99

LONG-TERM TEST DATA SHEET

Test ID SRS HF2-1
Vessel ID No. I-113 Batch Cleaning No. 3-18-99
Glass Sample ID SRS
Sample Weight (g) 3.003
Sample Preparation Date 5-3-99
Type of Solution .25 M FeCl₂
Leachant Volume (ml) 30 ml
Initial pH of Leachant 2.636
Weight of Empty Vessel (g) 269.40
Weight of Vessel + Sample (g) 272.40
2nd Weight of Sample (Difference of the last two items) (g) 3.00
Total Weight of Vessel + Sample + Solution (g) 302.15
Test Temperature 90°C
Date and Time Test Started (d:hr:min) 5/18/99; 15:45
Final pH of Leachate 3.330
Cation Analysis No. 113-1 Dilution Factor _____
1 Leachant Replacement Date and Time(d:hr:min) 5/21/99; 10:52
Initial pH of Leachant 2.646 Final pH of Leachate 3.578
Cation Analysis No. 113-2 Dilution Factor _____
2 Leachant Replacement Date and Time(d:hr:min) 5/25/99
Initial pH of Leachant 2.603 Final pH of Leachate 3.093
Cation Analysis No. 113-3 Dilution Factor _____
3 Leachant Replacement Date and Time(d:hr:min) 5/28/99; 10:10
Initial pH of Leachant 2.501 Final pH of Leachate 3.306
Cation Analysis No. 113-4 Dilution Factor _____
4 Leachant Replacement Date and Time(d:hr:min) 6/1/99; 10:00 9:35
Initial pH of Leachant 2.458 Final pH of Leachate 3.227
Cation Analysis No. 113-5 Dilution Factor _____
5 Leachant Replacement Date and Time(d:hr:min) 6/4/99; 10:00
Initial pH of Leachant 2.392 Final pH of Leachate _____
Cation Analysis No. _____ Dilution Factor _____

Test stopped due to vessel corrosion.

JJ Pan
6/4/99

LONG-TERM TEST DATA SHEET

Test ID SRS HFZ-2

Vessel ID No. I-114 Batch Cleaning No. 4-16-99

Glass Sample ID SRS
Sample Weight (g) 3.000
Sample Preparation Date 5-3-99

Type of Solution .25M FeCl₂
Leachant Volume (ml) 30ml
Initial pH of Leachant 2.636

Weight of Empty Vessel (g) 271.72
Weight of Vessel + Sample (g) 274.72
2nd Weight of Sample (Difference of the last two items) (g) 3.00
Total Weight of Vessel + Sample + Solution (g) 304.54

Test Temperature 90°C
Date and Time Test Started (d:hr:min) 5/18/99; 15:45

Final pH of Leachate 2.812
Cation Analysis No. 114-1 Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 5/21/99; 10:52
Initial pH of Leachant 2.646 Final pH of Leachate 3.060
Cation Analysis No. 114-2 Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 5/25/99; 11:00
Initial pH of Leachant 2.603 Final pH of Leachate 3.062
Cation Analysis No. 114-3 Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 5/28/99; 10:10
Initial pH of Leachant 2.501 Final pH of Leachate 3.390
Cation Analysis No. 114-4 Dilution Factor _____

4 Leachant Replacement Date and Time(d:hr:min) 6/1/99; 10:10 ^{P.D. 6/1/99}
Initial pH of Leachant 2.458 Final pH of Leachate N/A *Leachant evap possible seal*
Cation Analysis No. 114-5 Dilution Factor _____

5 Leachant Replacement Date and Time(d:hr:min) 6/4/99; 10:00
Initial pH of Leachant 2.392 Final pH of Leachate _____
Cation Analysis No. _____ Dilution Factor _____

Test stopped due to vessel corrosion.

J.P. Pan
6/4/99

LONG-TERM TEST DATA SHEET

Test ID SRS HFZ-3

Vessel ID No. I-115 Batch Cleaning No. 4-16-99

Glass Sample ID SRS
Sample Weight (g) 3.000
Sample Preparation Date 5-3-99

Type of Solution .25M FeCl₂
Leachant Volume (ml) 30ml
Initial pH of Leachant 2.636

Weight of Empty Vessel (g) 273.25
Weight of Vessel + Sample (g) 276.25
2nd Weight of Sample (Difference of the last two items) (g) 3.00
Total Weight of Vessel + Sample + Solution (g) 306.02

Test Temperature 90°C
Date and Time Test Started (d:hr:min) 5/18/99; 15:45

Final pH of Leachate 2.680
Cation Analysis No. 115-1 Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 5/21/99; 10:52
Initial pH of Leachant 2.646 Final pH of Leachate 2.754
Cation Analysis No. 115-2 Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 5/25/99; 11:00
Initial pH of Leachant 2.603 Final pH of Leachate 2.930
Cation Analysis No. 115-3 Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 5/28/99; 10:10
Initial pH of Leachant 2.501 Final pH of Leachate 3.303
Cation Analysis No. 115-4 Dilution Factor _____

4 Leachant Replacement Date and Time(d:hr:min) 6/1/99; 10:10 ^{P.D. 6/1/99}
Initial pH of Leachant 2.458 Final pH of Leachate 2.960
Cation Analysis No. 115-5 Dilution Factor _____

5 Leachant Replacement Date and Time(d:hr:min) 6/4/99; 10:00
Initial pH of Leachant 2.392 Final pH of Leachate _____
Cation Analysis No. _____ Dilution Factor _____

Test stopped due to vessel corrosion.

J.P. Pan
6/4/99

LONG-TERM TEST DATA SHEET

Test ID WVNS HF2-1Vessel ID No. I-116Batch Cleaning No. 4-16-99Glass Sample ID WVNSSample Weight (g) 2.999Sample Preparation Date 5-3-99Type of Solution .25 M FeCl₂Leachant Volume (ml) 30 mlInitial pH of Leachant 2.636Weight of Empty Vessel (g) 273.02Weight of Vessel + Sample (g) 276.022nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 305.76Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99; 15:45Final pH of Leachate 3.041Cation Analysis No. 116-1

Dilution Factor

1 Leachant Replacement Date and Time(d:hr:min) 5/21/99; 10:52Initial pH of Leachant 2.646Final pH of Leachate 3.613Cation Analysis No. 116-2

Dilution Factor

2 Leachant Replacement Date and Time(d:hr:min) 5/25/99; 11:00Initial pH of Leachant 2.603Final pH of Leachate 3.368Cation Analysis No. 116-3

Dilution Factor

3 Leachant Replacement Date and Time(d:hr:min) 5/28/99; 10:10Initial pH of Leachant 2.501Final pH of Leachate 3.476Cation Analysis No. 116-4

Dilution Factor

4 Leachant Replacement Date and Time(d:hr:min) 6/1/99; 10:40 9:35Initial pH of Leachant 2.458Final pH of Leachate 3.526Cation Analysis No. 116-5

Dilution Factor

5 Leachant Replacement Date and Time(d:hr:min) 6/4/99; 10:00Initial pH of Leachant 2.392

Final pH of Leachate

Cation Analysis No.

Dilution Factor

Test stopped due to vessel corrosion.

JP
6/4/99

LONG-TERM TEST DATA SHEET

Test ID WVNS HF2-2Vessel ID No. I-117Batch Cleaning No. 4-16-99Glass Sample ID WVNSSample Weight (g) 3.002Sample Preparation Date 5-3-99Type of Solution .25 M FeCl₂Leachant Volume (ml) 30 mlInitial pH of Leachant 2.636Weight of Empty Vessel (g) 265.04Weight of Vessel + Sample (g) 268.042nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 297.78Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99; 15:45Final pH of Leachate 2.975Cation Analysis No. 117-1

Dilution Factor

1 Leachant Replacement Date and Time(d:hr:min) 5/21/99; 10:52Initial pH of Leachant 2.646Final pH of Leachate 3.673Cation Analysis No. 117-2

Dilution Factor

2 Leachant Replacement Date and Time(d:hr:min) 5/25/99; 11:00Initial pH of Leachant 2.603Final pH of Leachate 3.058Cation Analysis No. 117-3

Dilution Factor

3 Leachant Replacement Date and Time(d:hr:min) 5/28/99; 10:10Initial pH of Leachant 2.501Final pH of Leachate 3.428Cation Analysis No. 117-4

Dilution Factor

4 Leachant Replacement Date and Time(d:hr:min) 6/1/99; 10:40 9:35Initial pH of Leachant 2.458Final pH of Leachate 3.462Cation Analysis No. 117-5

Dilution Factor

5 Leachant Replacement Date and Time(d:hr:min) 6/4/99; 10:00Initial pH of Leachant 2.392

Final pH of Leachate

Cation Analysis No.

Dilution Factor

Test stopped due to vessel corrosion.

JP
6/4/99

LONG-TERM TEST DATA SHEET

Test ID WVNS HF2-3Vessel ID No. I-118Batch Cleaning No. 4-16-99Glass Sample ID WVNSSample Weight (g) 3.000Sample Preparation Date 5-3-99Type of Solution .25 M FeCl₂Leachant Volume (ml) 30 mlInitial pH of Leachant 2.636Weight of Empty Vessel (g) 268.87Weight of Vessel + Sample (g) 271.872nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 301.83Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99; 15:45Final pH of Leachate 2.711Cation Analysis No. 118-1

Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 5/21/99; 10:52Initial pH of Leachant 2.646Final pH of Leachate 3.567Cation Analysis No. 118-2

Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 5/25/99; 11:00Initial pH of Leachant 2.603Final pH of Leachate 3.158Cation Analysis No. 118-3

Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 5/28/99; 10:10Initial pH of Leachant 2.501Final pH of Leachate 3.502Cation Analysis No. 118-4

Dilution Factor _____

4 Leachant Replacement Date and Time(d:hr:min) 6/1/99; 10:00 9:35Initial pH of Leachant 2.458Final pH of Leachate 3.505Cation Analysis No. 118-5

Dilution Factor _____

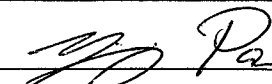
5 Leachant Replacement Date and Time(d:hr:min) 6/4/99; 10:00Initial pH of Leachant 2.392

Final pH of Leachate _____

Cation Analysis No. _____

Dilution Factor _____

Test Stopped due to vessel corrosion.


 6/4/99

LONG-TERM TEST DATA SHEET

Test ID SRS HF3-1Vessel ID No. I-120Batch Cleaning No. 3-18-99Glass Sample ID SRSSample Weight (g) 3.004Sample Preparation Date 5-3-99Type of Solution .25 M FeCl₃Leachant Volume (ml) 30 mlInitial pH of Leachant 1.532Weight of Empty Vessel (g) 270.99Weight of Vessel + Sample (g) 273.992nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 304.08Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99; 15:45Final pH of Leachate 2.104Cation Analysis No. 120-1

Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 5/21/99; 10:52Initial pH of Leachant 1.555Final pH of Leachate 2.121Cation Analysis No. 120-2

Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 5/25/99; 11:00Initial pH of Leachant 1.558Final pH of Leachate 1.791Cation Analysis No. 120-3

Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 5/28/99; 10:10Initial pH of Leachant 2.501 118-4 1.548Final pH of Leachate 2.018Cation Analysis No. 120-4

Dilution Factor _____

4 Leachant Replacement Date and Time(d:hr:min) 6/1/99; 10:00 9:35Initial pH of Leachant 1.503Final pH of Leachate 1.826Cation Analysis No. 120-5

Dilution Factor _____

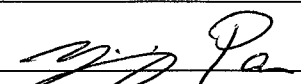
5 Leachant Replacement Date and Time(d:hr:min) 6/4/99; 10:00Initial pH of Leachant 1.519

Final pH of Leachate _____

Cation Analysis No. _____

Dilution Factor _____

Test Stopped due to vessel corrosion.


 6/4/99

LONG-TERM TEST DATA SHEET

Test ID SRS HF3-2Vessel ID No. I-121Batch Cleaning No. 3-18-99Glass Sample ID SRSSample Weight (g) 3.005Sample Preparation Date 5-3-99Type of Solution .25M FeCl₃Leachant Volume (ml) 30mlInitial pH of Leachant 1.532Weight of Empty Vessel (g) 263.40Weight of Vessel + Sample (g) 266.402nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 296.51Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99; 15:45Final pH of Leachate 2.145Cation Analysis No. 121-1

Dilution Factor

1 Leachant Replacement Date and Time(d:hr:min) 5/21/99; 10:52Initial pH of Leachant 1.555Final pH of Leachate 2.129Cation Analysis No. 121-2

Dilution Factor

2 Leachant Replacement Date and Time(d:hr:min) 5/25/99; 11:00Initial pH of Leachant 1.558Final pH of Leachate 1.753Cation Analysis No. 121-3

Dilution Factor

3 Leachant Replacement Date and Time(d:hr:min) 5/26/99; 10:10Initial pH of Leachant 1.548Final pH of Leachate 2.003Cation Analysis No. 121-4

Dilution Factor

4 Leachant Replacement Date and Time(d:hr:min) 6/1/99; 10:00 ^{6/1/99} 9:35Initial pH of Leachant 1.503Final pH of Leachate 1.911Cation Analysis No. 121-5

Dilution Factor

5 Leachant Replacement Date and Time(d:hr:min) 6/4/99; 10:00Initial pH of Leachant 1.519

Final pH of Leachate

Cation Analysis No.

Dilution Factor

Test stopped due to vessel corrosion.JP
6/4/99

LONG-TERM TEST DATA SHEET

Test ID SRS HF3-3Vessel ID No. I-022Batch Cleaning No. 3-18-99Glass Sample ID SRSSample Weight (g) 3.000Sample Preparation Date 5-3-99Type of Solution .25M FeCl₃Leachant Volume (ml) 30mlInitial pH of Leachant 1.532Weight of Empty Vessel (g) 267.19Weight of Vessel + Sample (g) 270.192nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 300.32Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99; 15:45Final pH of Leachate 2.174Cation Analysis No. 022-1

Dilution Factor

1 Leachant Replacement Date and Time(d:hr:min) 5/21/99; 10:52Initial pH of Leachant 1.555Final pH of Leachate 2.200Cation Analysis No. 022-2

Dilution Factor

2 Leachant Replacement Date and Time(d:hr:min) 5/25/99; 11:00Initial pH of Leachant 1.558Final pH of Leachate 1.724Cation Analysis No. 022-3

Dilution Factor

3 Leachant Replacement Date and Time(d:hr:min) 5/26/99; 10:10Initial pH of Leachant 1.548Final pH of Leachate 2.054Cation Analysis No. 022-4

Dilution Factor

4 Leachant Replacement Date and Time(d:hr:min) 6/1/99; 10:00 ^{6/1/99} 9:35Initial pH of Leachant 1.503Final pH of Leachate 1.923Cation Analysis No. 022-5

Dilution Factor

5 Leachant Replacement Date and Time(d:hr:min) 6/4/99; 10:00Initial pH of Leachant 1.519

Final pH of Leachate

Cation Analysis No.

Dilution Factor

Test stopped due to vessel corrosion.JP
6/4/99

LONG-TERM TEST DATA SHEET

Test ID WVNS HF3-1Vessel ID No. I-023Batch Cleaning No. 4-19-99Glass Sample ID WVNSSample Weight (g) 3.003Sample Preparation Date 4-22-99 5-3-99Type of Solution .25 M FeCl₃Leachant Volume (ml) 30 mlInitial pH of Leachant 1.532Weight of Empty Vessel (g) 267.45Weight of Vessel + Sample (g) 270.452nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 300.28Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99; 15:45Final pH of Leachate 2.220Cation Analysis No. 023-1

Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 5/21/99; 10:52Initial pH of Leachant 1.555Final pH of Leachate 2.384Cation Analysis No. 023-2

Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 5/25/99; 11:00Initial pH of Leachant 1.558Final pH of Leachate 1.871Cation Analysis No. 023-3

Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 5/28/99; 10:10Initial pH of Leachant 1.548Final pH of Leachate 2.205Cation Analysis No. 023-4

Dilution Factor _____

4 Leachant Replacement Date and Time(d:hr:min) 6/1/99; 10:00 9:35Initial pH of Leachant 1.503Final pH of Leachate 1.987Cation Analysis No. 023-5

Dilution Factor _____

5 Leachant Replacement Date and Time(d:hr:min) 6/4/99; 10:00Initial pH of Leachant 1.519

Final pH of Leachate _____

Cation Analysis No. _____

Dilution Factor _____

Test stopped due to vessel corrosion.WJ Pa
6/4/99

LONG-TERM TEST DATA SHEET

Test ID WVNS HF3-2Vessel ID No. I-024Batch Cleaning No. 4-19-99Glass Sample ID WVNSSample Weight (g) 3.003Sample Preparation Date 5-3-99Type of Solution .25 M FeCl₃Leachant Volume (ml) 30 mlInitial pH of Leachant 1.532Weight of Empty Vessel (g) 267.27Weight of Vessel + Sample (g) 270.272nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 300.51Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99; 15:45Final pH of Leachate 2.138Cation Analysis No. 024-1

Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 5/21/99; 10:52Initial pH of Leachant 1.555Final pH of Leachate 2.311Cation Analysis No. 024-2

Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 5/25/99; 11:00Initial pH of Leachant 1.558Final pH of Leachate 1.828Cation Analysis No. 024-3

Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 5/28/99; 10:10Initial pH of Leachant 1.548Final pH of Leachate 2.211Cation Analysis No. 024-4

Dilution Factor _____

4 Leachant Replacement Date and Time(d:hr:min) 6/1/99; 10:00 9:35Initial pH of Leachant 1.503Final pH of Leachate 1.875Cation Analysis No. 024-5

Dilution Factor _____

5 Leachant Replacement Date and Time(d:hr:min) 6/4/99; 10:00Initial pH of Leachant 1.519

Final pH of Leachate _____

Cation Analysis No. _____

Dilution Factor _____

Test stopped due to vessel corrosion.WJ Pa
6/4/99

LONG-TERM TEST DATA SHEET

Test ID WVNS HF3-3Vessel ID No. I-025Batch Cleaning No. 4-19-99Glass Sample ID WVNSSample Weight (g) 3.003Sample Preparation Date 5-3-99Type of Solution 0.25 M FeCl₃Leachant Volume (ml) 30 mlInitial pH of Leachant 1.532Weight of Empty Vessel (g) 265.98Weight of Vessel + Sample (g) 268.982nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 299.08Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99 ; 15:45Final pH of Leachate 2.169Cation Analysis No. 025-1

Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 5/21/99 ; 10:52Initial pH of Leachant 1.555Cation Analysis No. 025-2Final pH of Leachate 2.316

Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 5/25/99 ; 11:00Initial pH of Leachant 1.558Cation Analysis No. 025-3Final pH of Leachate 1.960

Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 5/28/99 ; 10:10Initial pH of Leachant 1.540Cation Analysis No. 025-4Final pH of Leachate 2.143

Dilution Factor _____

4 Leachant Replacement Date and Time(d:hr:min) 6/1/99 ; 10:00 9:35Initial pH of Leachant 1.503Cation Analysis No. 025-5Final pH of Leachate 1.870

Dilution Factor _____

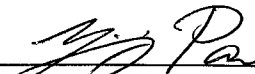
5 Leachant Replacement Date and Time(d:hr:min) 6/4/99 ; 10:00Initial pH of Leachant 1.519

Cation Analysis No. _____

Final pH of Leachate _____

Dilution Factor _____

Test stopped due to vessel corrosion.


 6/4/99

LONG-TERM TEST DATA SHEET

Test ID S RSLF2-1Vessel ID No. I-026Batch Cleaning No. 4-19-99Glass Sample ID SRSSample Weight (g) 3.000Sample Preparation Date 5-3-99Type of Solution 0.025 M FeCl₂Leachant Volume (ml) 30 mlInitial pH of Leachant 3.786Weight of Empty Vessel (g) 265.65Weight of Vessel + Sample (g) 268.652nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 297.83Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99 ; 15:45Final pH of Leachate 8.336Cation Analysis No. 026-1

Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 5/21/99 ; 10:52Initial pH of Leachant 3.791Cation Analysis No. 026-2Final pH of Leachate 6.834

Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 5/25/99 ; 11:00Initial pH of Leachant 3.744Cation Analysis No. 026-3Final pH of Leachate 3.736/AB 5/28/99 3

Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 5/28/99 ; 10:10Initial pH of Leachant 3.736Cation Analysis No. 026-4Final pH of Leachate 6.066

Dilution Factor _____

4 Leachant Replacement Date and Time(d:hr:min) 6/1/99 ; 10:00 9:35Initial pH of Leachant 3.715Cation Analysis No. 026-5Final pH of Leachate 5.854

Dilution Factor _____

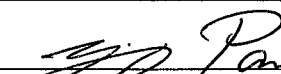
5 Leachant Replacement Date and Time(d:hr:min) 6/4/99 ; 10:00Initial pH of Leachant 3.685

Cation Analysis No. _____

Final pH of Leachate _____

Dilution Factor _____

Test stopped due to vessel corrosion.


 6/4/99

LONG-TERM TEST DATA SHEET

Test ID SRS LF2-2Vessel ID No. I-027Batch Cleaning No. 4-16-99Glass Sample ID SRSSample Weight (g) 2.999Sample Preparation Date 5-3-99Type of Solution .0025 M FeCl₂Leachant Volume (ml) 30 mlInitial pH of Leachant 3.786Weight of Empty Vessel (g) 266.06Weight of Vessel + Sample (g) 269.052nd Weight of Sample (Difference of the last two items) (g) 2.99Total Weight of Vessel + Sample + Solution (g) 298.37Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99; 15:45Final pH of Leachate 8.391Cation Analysis No. 027-1

Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 5/21/99; 10:52Initial pH of Leachant 3.791Final pH of Leachate 7.729Cation Analysis No. 027-2

Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 5/25/99; 11:00Initial pH of Leachant 3.744Final pH of Leachate 3.308Cation Analysis No. 027-3

Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 5/28/99; 10:10Initial pH of Leachant 3.736Final pH of Leachate 6.745Cation Analysis No. 027-4

Dilution Factor _____

4 Leachant Replacement Date and Time(d:hr:min) 6/1/99; 10:00 ^{6/1/99} 9:35Initial pH of Leachant 3.715Final pH of Leachate 6.182Cation Analysis No. 027-5

Dilution Factor _____

5 Leachant Replacement Date and Time(d:hr:min) 6/4/99; 10:00Initial pH of Leachant 3.685

Final pH of Leachate _____

Cation Analysis No. _____

Dilution Factor _____

Test stopped due to vessel corrosion.Yip Pa
6/4/99

LONG-TERM TEST DATA SHEET

Test ID SRS LF2-3Vessel ID No. I-028Batch Cleaning No. 4-16-99Glass Sample ID SRSSample Weight (g) 2.999Sample Preparation Date 5-3-99Type of Solution .0025 M FeCl₂Leachant Volume (ml) 30 mlInitial pH of Leachant 3.786Weight of Empty Vessel (g) 267.30Weight of Vessel + Sample (g) 270.292nd Weight of Sample (Difference of the last two items) (g) 2.99Total Weight of Vessel + Sample + Solution (g) 299.90Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99; 15:45Final pH of Leachate 8.494Cation Analysis No. 028-1

Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 5/21/99; 10:52Initial pH of Leachant 3.791Final pH of Leachate 7.960Cation Analysis No. 028-2

Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 5/25/99; 11:00Initial pH of Leachant 3.744Final pH of Leachate 4.044Cation Analysis No. 028-3

Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 5/28/99; 10:10Initial pH of Leachant 3.736Final pH of Leachate 7.252Cation Analysis No. 028-4

Dilution Factor _____

4 Leachant Replacement Date and Time(d:hr:min) 6/1/99; 10:00 ^{6/1/99} 9:35Initial pH of Leachant 3.715Final pH of Leachate 6.613Cation Analysis No. 028-5

Dilution Factor _____

5 Leachant Replacement Date and Time(d:hr:min) 6/4/99; 10:00Initial pH of Leachant 3.685

Final pH of Leachate _____

Cation Analysis No. _____

Dilution Factor _____

Test stopped due to vessel corrosion.Yip Pa
6/4/99

LONG-TERM TEST DATA SHEET

Test ID WVNSLF2-1Vessel ID No. I-029Batch Cleaning No. 4-16-99Glass Sample ID WVNSSample Weight (g) 3.002Sample Preparation Date 3-7-99 5-3-99 MPType of Solution 0.025 M FeCl₂Leachant Volume (ml) 30 mlInitial pH of Leachant 3.786Weight of Empty Vessel (g) 265.87Weight of Vessel + Sample (g) 268.872nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 298.05Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99; 15:45Final pH of Leachate 9.046Cation Analysis No. 029-1

Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 5/21/99; 10:52Initial pH of Leachant 3.791Cation Analysis No. 029-2Final pH of Leachate 8.896

Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 5/25/99; 11:00Initial pH of Leachant 3.744Cation Analysis No. 029-3Final pH of Leachate 3.768

Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 5/28/99; 10:10Initial pH of Leachant 3.736Cation Analysis No. 029-4Final pH of Leachate 8.319

Dilution Factor _____

4 Leachant Replacement Date and Time(d:hr:min) 6/1/99; 10:00 6/1/99 9:35Initial pH of Leachant 3.715Cation Analysis No. 029-5Final pH of Leachate 8.502

Dilution Factor _____

5 Leachant Replacement Date and Time(d:hr:min) 6/4/99; 10:00Initial pH of Leachant 3.685

Cation Analysis No. _____

Final pH of Leachate _____

Dilution Factor _____

Test stopped due to vessel corrosion.Y. Pan
6/4/99

LONG-TERM TEST DATA SHEET

Test ID WVNSLF2-2Vessel ID No. I-030Batch Cleaning No. 4-19-99Glass Sample ID WVNSSample Weight (g) 3.003Sample Preparation Date 3-7-99 5-3-99 MPType of Solution 0.025 M FeCl₂Leachant Volume (ml) 30 mlInitial pH of Leachant 3.786Weight of Empty Vessel (g) 266.64Weight of Vessel + Sample (g) 269.642nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 298.75Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99; 15:45Final pH of Leachate 9.043Cation Analysis No. 030-1

Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 5/21/99; 10:52Initial pH of Leachant 3.791Cation Analysis No. 030-2Final pH of Leachate 8.911

Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 5/25/99; 11:00Initial pH of Leachant 3.744Cation Analysis No. 030-3Final pH of Leachate 3.729

Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 5/28/99; 10:10Initial pH of Leachant 3.736Cation Analysis No. 030-4Final pH of Leachate 8.398

Dilution Factor _____

4 Leachant Replacement Date and Time(d:hr:min) 6/1/99; 10:00 6/1/99 9:35Initial pH of Leachant 3.715Cation Analysis No. 030-5Final pH of Leachate 8.561

Dilution Factor _____

5 Leachant Replacement Date and Time(d:hr:min) 6/4/99; 10:00Initial pH of Leachant 3.685

Cation Analysis No. _____

Final pH of Leachate _____

Dilution Factor _____

Test stopped due to vessel corrosion.Y. Pan
6/4/99

LONG-TERM TEST DATA SHEET

Test ID WVNSLF2-3Vessel ID No. F-031Batch Cleaning No. 3-18-99Glass Sample ID WVNSSample Weight (g) 3.002Sample Preparation Date 3-28-99 5-3-99 5/13/99Type of Solution .0025 M FeCl₂Leachant Volume (ml) 30 mlInitial pH of Leachant 3.786Weight of Empty Vessel (g) 265.47Weight of Vessel + Sample (g) 268.472nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 297.61Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99; 15:45Final pH of Leachate 9.041Cation Analysis No. 031-1

Dilution Factor

1 Leachant Replacement Date and Time(d:hr:min) 5/21/99; 10:52Initial pH of Leachant 3.791Cation Analysis No. 031-2Final pH of Leachate 8.922

Dilution Factor

2 Leachant Replacement Date and Time(d:hr:min) 5/25/99; 11:00Initial pH of Leachant 3.744Cation Analysis No. 031-3Final pH of Leachate 3.977

Dilution Factor

3 Leachant Replacement Date and Time(d:hr:min) 5/28/99; 10:10Initial pH of Leachant 3.736Cation Analysis No. 031-4Final pH of Leachate 8.403

Dilution Factor

4 Leachant Replacement Date and Time(d:hr:min) 6/1/99; 10:00 9:35Initial pH of Leachant 3.715Cation Analysis No. 031-5Final pH of Leachate 8.564

Dilution Factor

5 Leachant Replacement Date and Time(d:hr:min) 6/4/99; 10:00Initial pH of Leachant 3.685

Cation Analysis No.

Final pH of Leachate

Dilution Factor

Test stopped due to vessel corrosion.

YJ Pa
6/4/99

LONG-TERM TEST DATA SHEET

Test ID SRS LF3-1Vessel ID No. F-032Batch Cleaning No. 3-18-99Glass Sample ID SRSSample Weight (g) 3.006Sample Preparation Date 2-28-99 5-3-99 5/13/99Type of Solution .0025 M FeCl₃Leachant Volume (ml) 30 mlInitial pH of Leachant 2.328Weight of Empty Vessel (g) 268.28Weight of Vessel + Sample (g) 271.282nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 300.55Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99; 15:45Final pH of Leachate 7.806Cation Analysis No. 032-1

Dilution Factor

1 Leachant Replacement Date and Time(d:hr:min) 5/21/99; 10:52Initial pH of Leachant 2.328Cation Analysis No. 032-2Final pH of Leachate 7.118

Dilution Factor

2 Leachant Replacement Date and Time(d:hr:min) 5/25/99; 11:00Initial pH of Leachant 2.336Cation Analysis No. 032-3Final pH of Leachate 3.510

Dilution Factor

3 Leachant Replacement Date and Time(d:hr:min) 5/28/99; 10:10Initial pH of Leachant 2.328Cation Analysis No. 032-4Final pH of Leachate 6.340 2.288 AB 6/1/99

Dilution Factor

4 Leachant Replacement Date and Time(d:hr:min) 6/1/99; 10:00 9:35Initial pH of Leachant 2.388Cation Analysis No. 032-5Final pH of Leachate NA Leachate e possible

Dilution Factor

5 Leachant Replacement Date and Time(d:hr:min) 6/4/99; 10:00Initial pH of Leachant 2.300

Cation Analysis No.

Final pH of Leachate

Dilution Factor

Test stopped due to vessel corrosion.

YJ Pa
6/4/99

LONG-TERM TEST DATA SHEET

Test ID SRS LF3-2Vessel ID No. I-033Batch Cleaning No. 3-18-99Glass Sample ID SRSSample Weight (g) 3.003Sample Preparation Date 2-22-99 5-3-99 5/3/99Type of Solution .0025 M FeCl₃Leachant Volume (ml) 30 mlInitial pH of Leachant 2.328Weight of Empty Vessel (g) 264.84Weight of Vessel + Sample (g) 267.842nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 297.09Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99; 15:45Final pH of Leachate 7.621Cation Analysis No. 033-1

Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 5/21/99; 10:52Initial pH of Leachant 2.328Final pH of Leachate 6.934Cation Analysis No. 033-2

Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 5/25/99; 11:00Initial pH of Leachant 2.336Final pH of Leachate 3.238Cation Analysis No. 033-3

Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 5/28/99; 10:10Initial pH of Leachant 2.328Final pH of Leachate 5.525Cation Analysis No. 033-4Dilution Factor 0# 4 Leachant Replacement Date and Time(d:hr:min) 6/1/99; 10:00 9:35Initial pH of Leachant 2.388Final pH of Leachate 6.694Cation Analysis No. 033-5

Dilution Factor _____

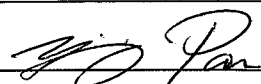
5 Leachant Replacement Date and Time(d:hr:min) 6/4/99; 10:00Initial pH of Leachant 2.300

Final pH of Leachate _____

Cation Analysis No. _____

Dilution Factor _____

Test stopped due to vessel corrosion.


 6/4/99

LONG-TERM TEST DATA SHEET

Test ID SRS LF3-3Vessel ID No. I-034Batch Cleaning No. 4-19-99Glass Sample ID SRSSample Weight (g) 3.004Sample Preparation Date 2-22-99 5-3-99 5/3/99Type of Solution .0025 M FeCl₃Leachant Volume (ml) 30 mlInitial pH of Leachant 2.328Weight of Empty Vessel (g) 266.92Weight of Vessel + Sample (g) 269.922nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 299.13Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99; 15:45Final pH of Leachate 7.442Cation Analysis No. 034-1

Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 5/21/99; 10:52Initial pH of Leachant 2.328Final pH of Leachate 6.904Cation Analysis No. 034-2

Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 5/25/99; 11:00Initial pH of Leachant 2.336Final pH of Leachate 3.171Cation Analysis No. 034-3

Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 5/28/99; 10:10Initial pH of Leachant 2.328Final pH of Leachate 4.780Cation Analysis No. 034-4Dilution Factor 0# 4 Leachant Replacement Date and Time(d:hr:min) 6/1/99; 10:00 9:35Initial pH of Leachant 2.388Final pH of Leachate 5.683Cation Analysis No. 034-5

Dilution Factor _____

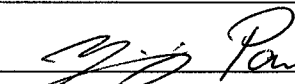
5 Leachant Replacement Date and Time(d:hr:min) 6/4/99; 10:00Initial pH of Leachant 2.300

Final pH of Leachate _____

Cation Analysis No. _____

Dilution Factor _____

Test stopped due to vessel corrosion.


 6/4/99

LONG-TERM TEST DATA SHEET

Test ID WVNSLF3-1Vessel ID No. I-035Batch Cleaning No. 4-19-99Glass Sample ID WVNSSample Weight (g) 3.002Sample Preparation Date 2-2-98 5-3-99 WJP 5/3/99Type of Solution .0025 M FeCl₃Leachant Volume (ml) 30 mlInitial pH of Leachant 2.328Weight of Empty Vessel (g) 265.87Weight of Vessel + Sample (g) 268.872nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 298.14Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99; 15:45Final pH of Leachate 8.745Cation Analysis No. 035-1

Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 5/21/99; 10:52Initial pH of Leachant 2.328Cation Analysis No. 035-2Final pH of Leachate 8.703

Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 5/25/99; 11:00Initial pH of Leachant 2.336Cation Analysis No. 035-3Final pH of Leachate 3.211

Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 5/28/99; 10:10Initial pH of Leachant 2.328Cation Analysis No. 035-4Final pH of Leachate 6.886Dilution Factor WJP/6/11/99# 4 Leachant Replacement Date and Time(d:hr:min) 6/1/99; 10:00 9:35Initial pH of Leachant 2.388Cation Analysis No. 035-5Final pH of Leachate 7.669

Dilution Factor _____

5 Leachant Replacement Date and Time(d:hr:min) 6/4/99; 10:00Initial pH of Leachant 2.300

Cation Analysis No. _____

Final pH of Leachate _____

Dilution Factor _____

Test stopped due to vessel corrosion.

WJP
6/4/99

LONG-TERM TEST DATA SHEET

Test ID WVNSLF3-2Vessel ID No. I-036Batch Cleaning No. 4-19-99Glass Sample ID WVNSSample Weight (g) 3.002Sample Preparation Date 2-2-98 5-3-99 WJP 5/3/99Type of Solution .0025 M FeCl₃Leachant Volume (ml) 30 mlInitial pH of Leachant 2.328Weight of Empty Vessel (g) 265.94Weight of Vessel + Sample (g) 268.952nd Weight of Sample (Difference of the last two items) (g) 3.01Total Weight of Vessel + Sample + Solution (g) 298.26Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99; 15:45Final pH of Leachate 8.644Cation Analysis No. 036-1

Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 5/21/99; 10:52Initial pH of Leachant 2.328Cation Analysis No. 036-2Final pH of Leachate 8.715

Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 5/25/99; 11:00Initial pH of Leachant 2.336Cation Analysis No. 036-3Final pH of Leachate 3.152

Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 5/28/99; 10:10Initial pH of Leachant 2.328Cation Analysis No. 036-4Final pH of Leachate 4.889Dilution Factor WJP/6/11/99# 4 Leachant Replacement Date and Time(d:hr:min) 6/1/99; 10:00 9:35Initial pH of Leachant 2.388Cation Analysis No. 036-5Final pH of Leachate 7.650

Dilution Factor _____

5 Leachant Replacement Date and Time(d:hr:min) 6/4/99; 10:00Initial pH of Leachant 2.300

Cation Analysis No. _____

Final pH of Leachate _____

Dilution Factor _____

Test stopped due to vessel corrosion.

WJP
6/4/99

LONG-TERM TEST DATA SHEET

Test ID WVNSLF3-3Vessel ID No. I-037Batch Cleaning No. 4-19-99Glass Sample ID WVNSSample Weight (g) 3.003Sample Preparation Date 2-3-99 5-3-99 5/3/99Type of Solution .0025 M FeCl₃Leachant Volume (ml) 30 mlInitial pH of Leachant 2.328Weight of Empty Vessel (g) 266.09Weight of Vessel + Sample (g) 269.102nd Weight of Sample (Difference of the last two items) (g) 3.01Total Weight of Vessel + Sample + Solution (g) 298.13Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99; 15:45Final pH of Leachate 8.725Cation Analysis No. 037-1

Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 5/21/99; 10:52Initial pH of Leachant 2.328Cation Analysis No. 037-2Final pH of Leachate 8.737

Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 5/25/99; 11:00Initial pH of Leachant 2.336Cation Analysis No. 037-3Final pH of Leachate 3.252

Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 5/28/99; 10:10Initial pH of Leachant 2.328Cation Analysis No. 037-4Final pH of Leachate 7.271Dilution Factor 1# 4 Leachant Replacement Date and Time(d:hr:min) 6/1/99; 10:00 6/1/99 9:35Initial pH of Leachant 2.388Cation Analysis No. 037-5Final pH of Leachate 7.766

Dilution Factor _____

5 Leachant Replacement Date and Time(d:hr:min) 6/4/99; 10:00Initial pH of Leachant 2.300

Cation Analysis No. _____

Final pH of Leachate _____

Dilution Factor _____

Test stopped due to vessel corrosion.

gjp Pa
6/4/99

LONG-TERM PCT DATA SHEET

Test ID SRSW6M1Vessel ID No. I-038Batch Cleaning No. 4-19-99Glass Sample ID I-038 SRS 5/3/99Sample Weight (g) 2.999Sample Preparation Date 5-3-99Type of Solution DI WaterLeachant Volume (ml) 30 mlInitial pH of Leachant 5.910Weight of Empty Vessel (g) 266.89Weight of Vessel + Sample (g) 269.892nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 298.96

Final Total Weight After Test (g) _____

Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99; 15:45Date and Time Test Ended (d:hr:min) 6/4/99; 10:00

LONG-TERM PCT DATA SHEET

Test ID SRSW6M2Vessel ID No. I-039Batch Cleaning No. 4-19-99Glass Sample ID SRSSample Weight (g) 3.002Sample Preparation Date 5-3-99Type of Solution DI WaterLeachant Volume (ml) 30 mlInitial pH of Leachant 5.910Weight of Empty Vessel (g) 267.72Weight of Vessel + Sample (g) 270.722nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 299.69

Final Total Weight After Test (g) _____

Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99; 15:45Date and Time Test Ended (d:hr:min) 6/4/99; 10:00

Both Tests stopped due to vessel corrosion.

gjp Pa
6/4/99

LONG-TERM PCT DATA SHEET

Test ID SRSW6M3Vessel ID No. I-040Batch Cleaning No. 4-19-99Glass Sample ID SRSSample Weight (g) 2.999Sample Preparation Date 5-3-99Type of Solution DI WaterLeachant Volume (ml) 30 mlInitial pH of Leachant 5.910Weight of Empty Vessel (g) 265.32Weight of Vessel + Sample (g) 268.322nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 297.93

Final Total Weight After Test (g) _____

Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99; 15:45Date and Time Test Ended (d:hr:min) 6/4/99 10:00

LONG-TERM PCT DATA SHEET

Test ID WVNSW6M1Vessel ID No. I-125Batch Cleaning No. 5-7-99Glass Sample ID WVNSSample Weight (g) 3.000Sample Preparation Date 5-3-99Type of Solution DI WaterLeachant Volume (ml) 30 mlInitial pH of Leachant 5.910Weight of Empty Vessel (g) 273.17Weight of Vessel + Sample (g) 276.172nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 305.15

Final Total Weight After Test (g) _____

Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99; 15:45Date and Time Test Ended (d:hr:min) 6/4/99 10:00Both tests stopped due to vessel corrosion.JP
6/4/99

LONG-TERM PCT DATA SHEET

Test ID WVNSW6M2Vessel ID No. I-126Batch Cleaning No. 4-16-99Glass Sample ID WVNSSample Weight (g) 3.000Sample Preparation Date 5-3-99Type of Solution DI WaterLeachant Volume (ml) 30 mlInitial pH of Leachant 5.910Weight of Empty Vessel (g) 269.56Weight of Vessel + Sample (g) 272.562nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 301.52

Final Total Weight After Test (g) _____

Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99; 15:45Date and Time Test Ended (d:hr:min) 6/4/99 10:00

LONG-TERM PCT DATA SHEET

Test ID WVNSW6M3Vessel ID No. I-127Batch Cleaning No. 5-7-99Glass Sample ID WVNSSample Weight (g) 3.003Sample Preparation Date 5-3-99Type of Solution DI WaterLeachant Volume (ml) 30 mlInitial pH of Leachant 5.910Weight of Empty Vessel (g) 268.63Weight of Vessel + Sample (g) 271.632nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 300.70

Final Total Weight After Test (g) _____

Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99; 15:45Date and Time Test Ended (d:hr:min) 6/4/99 10:00Both tests stopped due to vessel corrosion.JP
6/4/99

LONG-TERM PCT DATA SHEET

Test ID SRS HFZ6M1Vessel ID No. I-128Batch Cleaning No. 5-7-99Glass Sample ID SRSSample Weight (g) 3.002Sample Preparation Date 2.6.96 5-3-99 mp
5/3/99Type of Solution .25 M FeCl₂Leachant Volume (ml) 30 mlInitial pH of Leachant 2.636Weight of Empty Vessel (g) 266.94Weight of Vessel + Sample (g) 269.942nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 299.53

Final Total Weight After Test (g) _____

Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99 ; 15:45Date and Time Test Ended (d:hr:min) 6/4/99 10:00

LONG-TERM PCT DATA SHEET

Test ID SRS HFZ6M2Vessel ID No. I-129 ¹²⁹ mp
5/3/99Batch Cleaning No. 4-16-99Glass Sample ID SRSSample Weight (g) 2.999Sample Preparation Date 2.6.96 5-3-99 mp
5/3/99Type of Solution .25 M FeCl₂Leachant Volume (ml) 30 mlInitial pH of Leachant 2.636Weight of Empty Vessel (g) 267.40Weight of Vessel + Sample (g) 270.402nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 300.18

Final Total Weight After Test (g) _____

Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99 ; 15:45Date and Time Test Ended (d:hr:min) 6/4/99 10:00

Both tests stopped due to vessel corrosion.

mp
6/4/99

LONG-TERM PCT DATA SHEET

Test ID SRS HFZ6M3Vessel ID No. I-130Batch Cleaning No. 4-16-99Glass Sample ID SRSSample Weight (g) 2.999Sample Preparation Date 2.6.96 5-3-99 mp
5/3/99Type of Solution .25 M FeCl₂Leachant Volume (ml) 30 mlInitial pH of Leachant 2.636Weight of Empty Vessel (g) 268.27Weight of Vessel + Sample (g) 271.272nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 301.09

Final Total Weight After Test (g) _____

Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99 ; 15:45Date and Time Test Ended (d:hr:min) 6/4/99 10:00

LONG-TERM PCT DATA SHEET

Test ID WVNS HFZ6M1Vessel ID No. I-131Batch Cleaning No. 4-16-99Glass Sample ID WVNSSample Weight (g) 3.003Sample Preparation Date 2.6.96 5-3-99 mp
5/3/99Type of Solution .25 M FeCl₂Leachant Volume (ml) 30 mlInitial pH of Leachant 2.636Weight of Empty Vessel (g) 268.30Weight of Vessel + Sample (g) 271.302nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 301.25

Final Total Weight After Test (g) _____

Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99 ; 15:45Date and Time Test Ended (d:hr:min) 6/4/99 10:00

Both tests stopped due to vessel corrosion.

mp
6/4/99

LONG-TERM PCT DATA SHEET

Test ID WVNSHF26M2Vessel ID No. I-132Batch Cleaning No. 4-16-99Glass Sample ID WVNSSample Weight (g) 3.002Sample Preparation Date 5-3-99Type of Solution .25 M FeCl₃Leachant Volume (ml) 30 mlInitial pH of Leachant 2.636Weight of Empty Vessel (g) 267.81Weight of Vessel + Sample (g) 270.802nd Weight of Sample (Difference of the last two items) (g) 2.99Total Weight of Vessel + Sample + Solution (g) 300.66

Final Total Weight After Test (g) _____

Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99; 15:45Date and Time Test Ended (d:hr:min) 6/4/99 10:00

LONG-TERM PCT DATA SHEET

Test ID WVNSHF26M3Vessel ID No. I-133Batch Cleaning No. 4-16-99Glass Sample ID WVNSSample Weight (g) 3.004Sample Preparation Date 5-3-99Type of Solution .25 M FeCl₃Leachant Volume (ml) 30 mlInitial pH of Leachant 2.636Weight of Empty Vessel (g) 271.28Weight of Vessel + Sample (g) 274.282nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 304.21

Final Total Weight After Test (g) _____

Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99; 15:45Date and Time Test Ended (d:hr:min) 6/4/99 10:00

Both tests stopped due to vessel corrosion.

JP Pa
6/4/99

LONG-TERM PCT DATA SHEET

Test ID SRS HF36M1Vessel ID No. I-134Batch Cleaning No. 4-16-99Glass Sample ID SRSSample Weight (g) 2.998Sample Preparation Date 5-3-99 5/3/99Type of Solution .25 M FeCl₃Leachant Volume (ml) 30 mlInitial pH of Leachant 1.532Weight of Empty Vessel (g) 267.35Weight of Vessel + Sample (g) 270.352nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 300.47

Final Total Weight After Test (g) _____

Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99; 15:45Date and Time Test Ended (d:hr:min) 6/4/99 10:00

LONG-TERM PCT DATA SHEET

Test ID SRS HF36M2Vessel ID No. I-135Batch Cleaning No. 4-16-99Glass Sample ID SRSSample Weight (g) 3.001Sample Preparation Date 5-3-99 5/3/99Type of Solution .25 M FeCl₃Leachant Volume (ml) 30 mlInitial pH of Leachant 1.532Weight of Empty Vessel (g) 269.80Weight of Vessel + Sample (g) 272.802nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 302.60

Final Total Weight After Test (g) _____

Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99; 15:45Date and Time Test Ended (d:hr:min) 6/4/99 10:00

Both tests stopped due to vessel corrosion.

JP Pa
6/4/99

LONG-TERM PCT DATA SHEET

Test ID SRSHF36M3Vessel ID No. I-136Batch Cleaning No. 5-7-99Glass Sample ID SR5Sample Weight (g) 3.001Sample Preparation Date 4-5-99 5-3-99 5/3/99Type of Solution .25M FeCl₃Leachant Volume (ml) 30 mlInitial pH of Leachant 1.532Weight of Empty Vessel (g) 268.03Weight of Vessel + Sample (g) 271.022nd Weight of Sample (Difference of the last two items) (g) 2.99Total Weight of Vessel + Sample + Solution (g) 300.39

Final Total Weight After Test (g) _____

Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99 15:45Date and Time Test Ended (d:hr:min) 6/4/99 10:00

LONG-TERM PCT DATA SHEET

Test ID WVNSHF36M1Vessel ID No. I-137Batch Cleaning No. 4-16-99Glass Sample ID WVNSSample Weight (g) 3.005Sample Preparation Date 4-5-99 5-3-99 5/3/99Type of Solution .25M FeCl₃Leachant Volume (ml) 30 mlInitial pH of Leachant 1.532Weight of Empty Vessel (g) 267.93Weight of Vessel + Sample (g) 270.932nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 299.95

Final Total Weight After Test (g) _____

Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99 15:45Date and Time Test Ended (d:hr:min) 6/4/99 10:00*Both tests stopped due to vessel corrosion.**JP*
6/4/99

LONG-TERM PCT DATA SHEET

Test ID WVNSHF36M2Vessel ID No. I-138Batch Cleaning No. 4-16-99Glass Sample ID WVNSSample Weight (g) 3.004Sample Preparation Date 4-5-99 5-3-99 5/3/99Type of Solution .25M FeCl₃Leachant Volume (ml) 30 mlInitial pH of Leachant 1.532Weight of Empty Vessel (g) 272.11Weight of Vessel + Sample (g) 275.112nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 304.32

Final Total Weight After Test (g) _____

Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99 15:45Date and Time Test Ended (d:hr:min) 6/4/99 10:00

LONG-TERM PCT DATA SHEET

Test ID WVNSHF36M3Vessel ID No. I-139Batch Cleaning No. 5-7-99Glass Sample ID WVNSSample Weight (g) 3.002Sample Preparation Date 4-5-99 5-3-99 5/3/99Type of Solution .25M FeCl₃Leachant Volume (ml) 30 mlInitial pH of Leachant 1.532Weight of Empty Vessel (g) 269.30Weight of Vessel + Sample (g) 272.302nd Weight of Sample (Difference of the last two items) (g) 3.00Total Weight of Vessel + Sample + Solution (g) 302.49

Final Total Weight After Test (g) _____

Test Temperature 90°CDate and Time Test Started (d:hr:min) 5/18/99 15:45Date and Time Test Ended (d:hr:min) 6/4/99 10:00*Both tests stopped due to vessel corrosion.**JP*
6/4/99

Test Matrix for Glass Dissolution Study (PFA Vessels)

Test #	Solution	Glass	# Samples	Total Tests	Test ID
001, 002	Deionized water	None	2	2	BLANKL1,2
003, 004, 005	Deionized water	EA	3	5	EAW1,2,3
006, 007, 008	Deionized water	SRS	3	8	SRSW1,2,3
009, 010, 011	Deionized water	WVNS	3	11	WVNSW1,2,3
012, 013, 014	0.25 M FeCl ₂	SRS	3	14	SRSHF2-1,2,3
015, 016, 017	0.25 M FeCl ₂	WVNS	3	17	WVNSHF2-1,2,3
018, 019, 020	0.25 M FeCl ₃	SRS	3	20	SRSHF3-1,2,3
021, 022, 023	0.25 M FeCl ₃	WVNS	3	23	WVNSHF3-1,2,3
024, 025, 026	0.0025 M FeCl ₂	SRS	3	26	SRSLF2-1,2,3
027, 028, 029	0.0025 M FeCl ₂	WVNS	3	29	WVNSLF2-1,2,3
030, 031, 032	0.0025 M FeCl ₃	SRS	3	32	SRSLF3-1,2,3
033, 034, 035	0.0025 M FeCl ₃	WVNS	3	35	WVNSLF3-1,2,3
036, 037	0.25 M HCl	WVNS	2	37	WVNSHCL-1,2

gPa
7/20/99

pH and Fluoride Testing of Vessels after first cleaning:
Any vessel with fluoride concentrations exceeding 500 ppm must be recleaned

Vessel ID	pH	[F] (ppm)
001	5.138	129
002	5.676	-44
003	5.710	-45
004	5.605	-96
005	5.607	-78
006	5.600	-86
007	5.704	-101
008	5.724	-102
009	5.515	-98
010	5.781	-88
011	5.744	-60
012	5.715	-61
013	5.718	-87
014	5.680	-100
015	5.643	-70
016	5.717	-168
017	5.730	23
018	5.640	-29
019	5.822	-8
020	5.753	-75
021	5.719	270
022	5.769	-73
023	5.687	-81
024	5.799	1
025	5.763	75

Vessel ID	pH	[F] (ppm)
026	5.662	32
027	5.765	99
028	5.794	-87
029	5.806	-77
030	5.837	-79
031	5.723	-108
032	5.725	-112
033	5.704	-90
034	5.828	-81
035	5.809	-94
036	5.622	-92
037	5.691	-93
038	5.672	-121

gPa
7-21-99

LONG-TERM TEST DATA SHEET

Test ID BLANK-T1Vessel ID No. 001Batch Cleaning No. 7-21-99Glass Sample ID N/ASample Weight (g) N/ASample Preparation Date N/AType of Solution D1 H₂OLeachant Volume (ml) 30 mLInitial pH of Leachant 5.784Weight of Empty Vessel (g) 127.83805Weight of Vessel + Sample (g) 127.838052nd Weight of Sample (Difference of the last two items) (g) 0.00Total Weight of Vessel + Sample + Solution (g) 157.48475Test Temperature 90°CDate and Time Test Started (d:hr:min) 7/27/99; 10:20Final pH of Leachate 5.569Cation Analysis No. T1-001

Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 7/30/99; 9:50Initial pH of Leachant 5.768Cation Analysis No. T2-001Final pH of Leachate 5.435

Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 8/3/99; 9:15Initial pH of Leachant 5.904Cation Analysis No. T3-001Final pH of Leachate 5.277

Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 8/6/99; 10:05Initial pH of Leachant 5.913Cation Analysis No. T4-001Final pH of Leachate 5.263

Dilution Factor _____

4 Leachant Replacement Date and Time(d:hr:min) 8/10/99; 10:26Initial pH of Leachant 5.906Cation Analysis No. T5-001Final pH of Leachate 5.573

Dilution Factor _____

5 Leachant Replacement Date and Time(d:hr:min) 8/13/99; 10:15Initial pH of Leachant 6.258Cation Analysis No. T6-001Final pH of Leachate 5.914 5.523 8/17/99

Dilution Factor _____

6 Leachant Replacement Date and Time(d:hr:min) 8/17/99; 10:12Initial pH of Leachant 5.914Cation Analysis No. T7-001Final pH of Leachate 5.843

Dilution Factor _____

7 Leachant Replacement Date and Time(d:hr:min) 8/20/99; 8:50Initial pH of Leachant 5.919Cation Analysis No. T8-001Final pH of Leachate 5.479

Dilution Factor _____

8 Leachant Replacement Date and Time(d:hr:min) 8/24/99; 9:00Initial pH of Leachant 5.581Cation Analysis No. T9-001Final pH of Leachate 5.481

Dilution Factor _____

New DL
8/24/99
JLJL Pa
8/24/99

001

9 Leachant Replacement Date and Time(d:hr:min) 8/27/99; 8:45Initial pH of Leachant 5.658Cation Analysis No. T10-001Final pH of Leachate 5.710

Dilution Factor _____

10 Leachant Replacement Date and Time(d:hr:min) 8/31/99; 9:30Initial pH of Leachant 5.402Cation Analysis No. T11-001Final pH of Leachate 5.269

Dilution Factor _____

11 Leachant Replacement Date and Time(d:hr:min) 9/3/99; 9:30Initial pH of Leachant 6.123Cation Analysis No. T12-001Final pH of Leachate 5.782

Dilution Factor _____

12 Leachant Replacement Date and Time(d:hr:min) 9/7/99; 9:00Initial pH of Leachant 5.777Cation Analysis No. T13-001Final pH of Leachate 5.780

Dilution Factor _____

13 Leachant Replacement Date and Time(d:hr:min) 9/10/99; 10:00Initial pH of Leachant 6.275Cation Analysis No. T14-001Final pH of Leachate 5.683

Dilution Factor _____

14 Leachant Replacement Date and Time(d:hr:min) 9/14/99; 9:15Initial pH of Leachant 5.764Cation Analysis No. T15-001Final pH of Leachate 5.777

Dilution Factor _____

15 Leachant Replacement Date and Time(d:hr:min) 9/17/99; 9:00Initial pH of Leachant 5.912Cation Analysis No. T16-001Final pH of Leachate 5.651

Dilution Factor _____

16 Leachant Replacement Date and Time(d:hr:min) 9/21/99; 10:00Initial pH of Leachant 5.703Cation Analysis No. T17-001Final pH of Leachate 5.588 pk made 9/27

Dilution Factor _____

17 Leachant Replacement Date and Time(d:hr:min) 9/24/99; 10:30Initial pH of Leachant 5.400Cation Analysis No. T18-001Final pH of Leachate 5.660

Dilution Factor _____

18 Leachant Replacement Date and Time(d:hr:min) 9/28/99; 9:30Initial pH of Leachant 5.310Cation Analysis No. T19-001Final pH of Leachate 5.645

Dilution Factor _____

19 Leachant Replacement Date and Time(d:hr:min) 9/31/99; 9:30Initial pH of Leachant 5.878Cation Analysis No. T20-001Final pH of Leachate 5.634

Dilution Factor _____

20 Leachant Replacement Date and Time(d:hr:min) 10/5/99; 9:30Initial pH of Leachant 5.501Cation Analysis No. T21-001Final pH of Leachate 5.583 5.388 pk made 10/22/99

Dilution Factor _____

21 Leachant Replacement Date and Time(d:hr:min) 10/8/99; 9:30Initial pH of Leachant 5.400Cation Analysis No. T22-001Final pH of Leachate 5.400 5.642

Dilution Factor _____

22 Leachant Replacement Date and Time(d:hr:min) 10/12/99; 9:45Initial pH of Leachant 5.623Cation Analysis No. T23-001Final pH of Leachate 5.394

Dilution Factor _____

JL Pa
10/14/99

001

After Cat. g
24, Vids held
10/24/99 cycle
to be @ 1st
- Lewis

#23 Leachant Replacement Date and Time(d:hr:min) 10/15/99 9:45
Initial pH of Leachant 5.539 Final pH of Leachate 5.174
Cation Analysis No. T24-001 Dilution Factor _____

#24 Leachant Replacement Date and Time(d:hr:min) 10/26/99 10:30 ^{#24 Leachant removed 10/19/99}
Initial pH of Leachant 5.440 Final pH of Leachate 5.460
Cation Analysis No. T25-001 Dilution Factor _____

#25 Leachant Replacement Date and Time(d:hr:min) 11/2/99 9:55
Initial pH of Leachant 5.335 Final pH of Leachate 5.414
Cation Analysis No. T26-001 Dilution Factor _____

#26 Leachant Replacement Date and Time(d:hr:min) 11/9/99 9:30
Initial pH of Leachant 5.624 Final pH of Leachate 5.345
Cation Analysis No. T27-001 Dilution Factor _____

#27 Leachant Replacement Date and Time(d:hr:min) 11/16/99 1:00pm
Initial pH of Leachant 5.325 Final pH of Leachate 5.550
Cation Analysis No. T28-001 Dilution Factor _____

#28 Leachant Replacement Date and Time(d:hr:min) 11/23/99 10:30
Initial pH of Leachant 5.467 Final pH of Leachate 5.536
Cation Analysis No. T29-001 Dilution Factor _____

#29 Leachant Replacement Date and Time(d:hr:min) 11/30/99 10:00
Initial pH of Leachant 5.400 Final pH of Leachate 5.695
Cation Analysis No. T30-001 Dilution Factor _____

#30 Leachant Replacement Date and Time(d:hr:min) 12/7/99 11:15
Initial pH of Leachant 5.490 Final pH of Leachate 5.871
Cation Analysis No. T31-001 Dilution Factor _____

#31 Leachant Replacement Date and Time(d:hr:min) 12/14/99 10:00
Initial pH of Leachant 5.846 Final pH of Leachate 5.040
Cation Analysis No. T32-001 Dilution Factor _____

#32 Leachant Replacement Date and Time(d:hr:min) 12/21/99 10:00
Initial pH of Leachant 6.597 Final pH of Leachate 5.674
Cation Analysis No. T33-001 Dilution Factor _____

#33 Leachant Replacement Date and Time(d:hr:min) 12/28/99 11:15 ^{82-11/4/00}
Initial pH of Leachant 5.882 Final pH of Leachate 5.882 4.922
Cation Analysis No. T34-001 Dilution Factor _____

#34 Leachant Replacement Date and Time(d:hr:min) 1/4/00 10:30 ^{82-11/11/00}
Initial pH of Leachant 5.803 Final pH of Leachate 4.922 4.613
Cation Analysis No. T35-001 Dilution Factor _____

#35 Leachant Replacement Date and Time(d:hr:min) 1/11/00 10:30
Initial pH of Leachant 5.705 Final pH of Leachate 5.142
Cation Analysis No. T36-001 Dilution Factor _____

#36 Leachant Replacement Date and Time(d:hr:min) 1/18/00 10:50
Initial pH of Leachant 5.775 Final pH of Leachate 4.606
Cation Analysis No. T37-001 Dilution Factor _____

gjp Pa
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001

#37 Leachant Replacement Date and Time(d:hr:min) 2/25/00 10:45
Initial pH of Leachant 5.752 Final pH of Leachate 4.993
Cation Analysis No. T38-001 Dilution Factor _____

#38 Leachant Replacement Date and Time(d:hr:min) 2/2/00 3:00pm
Initial pH of Leachant 5.856 Final pH of Leachate 4.582
Cation Analysis No. T39-001 Dilution Factor _____

#39 Leachant Replacement Date and Time(d:hr:min) 2/15/00 @ 10:30
Initial pH of Leachant 5.488 Final pH of Leachate 4.854
Cation Analysis No. T40-001 Dilution Factor _____

#40 Leachant Replacement Date and Time(d:hr:min) 2/29/00 @ 2:30pm
Initial pH of Leachant 5.310 Final pH of Leachate 5.031
Cation Analysis No. T41-001 Dilution Factor _____

#41 Leachant Replacement Date and Time(d:hr:min) 3/14/00 @ 11:00 am
Initial pH of Leachant 5.730 Final pH of Leachate 5.846
Cation Analysis No. T42-001 Dilution Factor _____

#42 Leachant Replacement Date and Time(d:hr:min) 3/28/00 10:00 AM
Initial pH of Leachant 4.652 Final pH of Leachate 5.938
Cation Analysis No. T43-001 Dilution Factor _____

#43 Leachant Replacement Date and Time(d:hr:min) 4-11-00 2:00pm
Initial pH of Leachant T44-002 Final pH of Leachate 5.776
Cation Analysis No. 6.097 Dilution Factor _____

#44 Leachant Replacement Date and Time(d:hr:min) 4-25-00 2:00pm
Initial pH of Leachant 5.870 Final pH of Leachate 5.815
Cation Analysis No. T45-001 Dilution Factor _____

#45 Leachant Replacement Date and Time(d:hr:min) 5-9-00 10:30
Initial pH of Leachant 6.077 Final pH of Leachate 5.579
Cation Analysis No. T46-001 Dilution Factor _____

#46 Leachant Replacement Date and Time(d:hr:min) 5/23/00 8:00pm
Initial pH of Leachant 5.887 Final pH of Leachate 5.813
Cation Analysis No. T47-001 Dilution Factor _____

#47 Leachant Replacement Date and Time(d:hr:min) 6/6/00 10:30
Initial pH of Leachant 5.895 Final pH of Leachate 5.507
Cation Analysis No. T48-001 Dilution Factor _____

#48 Leachant Replacement Date and Time(d:hr:min) 6/20/00 1:00pm
Initial pH of Leachant 5.910 Final pH of Leachate 5.385
Cation Analysis No. T49-001 Dilution Factor _____

#49 Leachant Replacement Date and Time(d:hr:min) 7/5/00 8:30
Initial pH of Leachant 6.011 Final pH of Leachate 5.427
Cation Analysis No. T50-001 Dilution Factor _____

#50 Leachant Replacement Date and Time(d:hr:min) 7/18/00 10:30
Initial pH of Leachant 6.052 Final pH of Leachate 5.953
Cation Analysis No. T51-001 Dilution Factor _____

Start of
20K
cycle
next
2/15/00

gjp Pa
6/6/00

gjp Pa
8/11/00

LONG-TERM TEST DATA SHEET

Test ID BLANK - T2Vessel ID No. 002Batch Cleaning No. 7-21-99Glass Sample ID N/ASample Weight (g) N/ASample Preparation Date N/AType of Solution D1 H₂OLeachant Volume (ml) 30Initial pH of Leachant 5.784Weight of Empty Vessel (g) 127.11590Weight of Vessel + Sample (g) 127.115902nd Weight of Sample (Difference of the last two items) (g) 0.00Total Weight of Vessel + Sample + Solution (g) 156.61840Test Temperature 90°CDate and Time Test Started (d:hr:min) 7/27/99; 10:20Final pH of Leachate 5.527Cation Analysis No. T1-002

Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 7/30/99; 9:50Initial pH of Leachant 5.768Cation Analysis No. T2-002Final pH of Leachate 5.607

Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 8/3/99; 9:15Initial pH of Leachant 5.904Cation Analysis No. T3-002Final pH of Leachate 5.785

Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 8/6/99; 10:05Initial pH of Leachant 5.913Cation Analysis No. T4-002Final pH of Leachate 5.296

Dilution Factor _____

4 Leachant Replacement Date and Time(d:hr:min) 8/10/99; 10:25Initial pH of Leachant 5.906Cation Analysis No. T5-002Final pH of Leachate 5.389

Dilution Factor _____

5 Leachant Replacement Date and Time(d:hr:min) 8/13/99; 10:15Initial pH of Leachant 6.258Cation Analysis No. T6-002Final pH of Leachate 5.378

Dilution Factor _____

6 Leachant Replacement Date and Time(d:hr:min) 8/17/99; 10:12Initial pH of Leachant 5.914Cation Analysis No. T7-002Final pH of Leachate 5.801

Dilution Factor _____

7 Leachant Replacement Date and Time(d:hr:min) 8/20/99; 8:50Initial pH of Leachant 5.919Cation Analysis No. T8-002Final pH of Leachate 5.743

Dilution Factor _____

8 Leachant Replacement Date and Time(d:hr:min) 8/24/99; 9:00Initial pH of Leachant 5.581Cation Analysis No. T9-002Final pH of Leachate 5.402

Dilution Factor _____

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8/26/99

002

9 Leachant Replacement Date and Time(d:hr:min) 8/27/99; 8:45Initial pH of Leachant 5.668Cation Analysis No. T10-002Final pH of Leachate 6.070

Dilution Factor _____

10 Leachant Replacement Date and Time(d:hr:min) 8/31/99; 9:30Initial pH of Leachant 5.402Cation Analysis No. T11-002Final pH of Leachate 5.623

Dilution Factor _____

11 Leachant Replacement Date and Time(d:hr:min) 9/3/99; 9:30Initial pH of Leachant 5.777Cation Analysis No. T12-002Final pH of Leachate 5.707

Dilution Factor _____

12 Leachant Replacement Date and Time(d:hr:min) 9/7/99; 9:00Initial pH of Leachant 5.777Cation Analysis No. T13-002Final pH of Leachate 5.945

Dilution Factor _____

13 Leachant Replacement Date and Time(d:hr:min) 9/10/99; 10:00Initial pH of Leachant 6.275Cation Analysis No. T14-002Final pH of Leachate 5.667

Dilution Factor _____

14 Leachant Replacement Date and Time(d:hr:min) 9/14/99; 9:15Initial pH of Leachant 5.764Cation Analysis No. T15-002Final pH of Leachate 5.593

Dilution Factor _____

15 Leachant Replacement Date and Time(d:hr:min) 9/17/99; 9:00Initial pH of Leachant 5.912Cation Analysis No. T16-002Final pH of Leachate 5.711

Dilution Factor _____

16 Leachant Replacement Date and Time(d:hr:min) 9/21/99; 10:00Initial pH of Leachant 5.703Cation Analysis No. T17-002Final pH of Leachate 5.525

Dilution Factor _____

17 Leachant Replacement Date and Time(d:hr:min) 9/24/99; 10:30Initial pH of Leachant 5.400Cation Analysis No. T18-002Final pH of Leachate 5.615

Dilution Factor _____

18 Leachant Replacement Date and Time(d:hr:min) 9/28/99; 9:30Initial pH of Leachant 5.310Cation Analysis No. T18-002Final pH of Leachate 5.760

Dilution Factor _____

19 Leachant Replacement Date and Time(d:hr:min) 10/1/99; 9:30Initial pH of Leachant 5.878Cation Analysis No. T19-002Final pH of Leachate 5.763

Dilution Factor _____

20 Leachant Replacement Date and Time(d:hr:min) 10/5/99; 9:30Initial pH of Leachant 5.501Cation Analysis No. T21-002Final pH of Leachate 5.590

Dilution Factor _____

21 Leachant Replacement Date and Time(d:hr:min) 10/8/99; 9:30Initial pH of Leachant 5.400Cation Analysis No. T22-002Final pH of Leachate 5.533

Dilution Factor _____

22 Leachant Replacement Date and Time(d:hr:min) 10/12/99; 9:45Initial pH of Leachant 5.623Cation Analysis No. T23-002Final pH of Leachate 5.524

Dilution Factor _____

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10/14/99

002

23 Leachant Replacement Date and Time(d:hr:min) 10/15/99 9:45
 Initial pH of Leachant 5.539 Final pH of Leachate 5.600
 Cation Analysis No. T24-002 Dilution Factor _____

24 Leachant Replacement Date and Time(d:hr:min) 10/26/99 10:00
 Initial pH of Leachant 5.440 Final pH of Leachate 5.489
 Cation Analysis No. T25-002 Dilution Factor _____

25 Leachant Replacement Date and Time(d:hr:min) 11/2/99 9:55
 Initial pH of Leachant 5.335 Final pH of Leachate 5.619
 Cation Analysis No. T26-002 Dilution Factor _____

26 Leachant Replacement Date and Time(d:hr:min) 11/9/99 9:30
 Initial pH of Leachant 5.624 Final pH of Leachate 5.548
 Cation Analysis No. T27-002 Dilution Factor _____

27 Leachant Replacement Date and Time(d:hr:min) 11/16/99 1:00
 Initial pH of Leachant 5.325 Final pH of Leachate 5.571
 Cation Analysis No. T28-002 Dilution Factor _____

28 Leachant Replacement Date and Time(d:hr:min) 11/23/99 10:30
 Initial pH of Leachant 5.967 Final pH of Leachate 5.623
 Cation Analysis No. T29-002 Dilution Factor _____

29 Leachant Replacement Date and Time(d:hr:min) 1/30/99 10:00
 Initial pH of Leachant 5.400 Final pH of Leachate 5.776
 Cation Analysis No. T30-002 Dilution Factor _____

30 Leachant Replacement Date and Time(d:hr:min) 12/7/99 11:15
 Initial pH of Leachant 5.490 Final pH of Leachate 5.586
 Cation Analysis No. T31-002 Dilution Factor _____

31 Leachant Replacement Date and Time(d:hr:min) 12/14/99 10:00
 Initial pH of Leachant 5.846 Final pH of Leachate 5.370
 Cation Analysis No. T32-002 Dilution Factor _____

32 Leachant Replacement Date and Time(d:hr:min) 12/21/99 10:00
 Initial pH of Leachant 6.597 Final pH of Leachate 5.483
 Cation Analysis No. T33-002 Dilution Factor _____

33 Leachant Replacement Date and Time(d:hr:min) 12/28/99 11:15
 Initial pH of Leachant 5.882 Final pH of Leachate 5.578
 Cation Analysis No. T34-002 Dilution Factor _____

34 Leachant Replacement Date and Time(d:hr:min) 1/4/00 10:30
 Initial pH of Leachant 5.802 Final pH of Leachate 5.490
 Cation Analysis No. T35-002 Dilution Factor _____

35 Leachant Replacement Date and Time(d:hr:min) 1/11/00 10:30
 Initial pH of Leachant 5.705 Final pH of Leachate 5.617
 Cation Analysis No. T36-002 Dilution Factor _____

36 Leachant Replacement Date and Time(d:hr:min) 1/18/00 10:50
 Initial pH of Leachant 5.795 Final pH of Leachate 5.396
 Cation Analysis No. T37-002 Dilution Factor _____

J.P.
 1/20/00

002

37 Leachant Replacement Date and Time(d:hr:min) 1/25/00 10:45
 Initial pH of Leachant 5.752 Final pH of Leachate 5.503
 Cation Analysis No. T38-002 Dilution Factor _____

38 Leachant Replacement Date and Time(d:hr:min) 2/2/00 3pm
 Initial pH of Leachant 5.756 Final pH of Leachate 5.292
 Cation Analysis No. T39-002 Dilution Factor _____

39 Leachant Replacement Date and Time(d:hr:min) 2/15/00 10:30
 Initial pH of Leachant 5.488 Final pH of Leachate 5.350
 Cation Analysis No. T40-002 Dilution Factor _____

40 Leachant Replacement Date and Time(d:hr:min) 2/29/00 2:30pm
 Initial pH of Leachant 5.310 Final pH of Leachate 5.375
 Cation Analysis No. T41-002 Dilution Factor _____

41 Leachant Replacement Date and Time(d:hr:min) 3/14/00 11:00am
 Initial pH of Leachant 5.730 Final pH of Leachate 5.839
 Cation Analysis No. T42-002 Dilution Factor _____

42 Leachant Replacement Date and Time(d:hr:min) 3/28/00 10:00am
 Initial pH of Leachant 4.652 Final pH of Leachate 5.670
 Cation Analysis No. T43-002 Dilution Factor _____

43 Leachant Replacement Date and Time(d:hr:min) 4/11/00 2:00pm
 Initial pH of Leachant 6.097 Final pH of Leachate 5.890
 Cation Analysis No. T44-002 Dilution Factor _____

44 Leachant Replacement Date and Time(d:hr:min) 4/25/00 2:00pm
 Initial pH of Leachant 5.870 Final pH of Leachate 5.903
 Cation Analysis No. T45-002 Dilution Factor _____

45 Leachant Replacement Date and Time(d:hr:min) 5-9-00 10:30
 Initial pH of Leachant 6.077 Final pH of Leachate _____
 Cation Analysis No. T46-002 Dilution Factor _____

46 Leachant Replacement Date and Time(d:hr:min) 5/23/00 2:00pm
 Initial pH of Leachant 5.887 Final pH of Leachate 5.799
 Cation Analysis No. T47-002 Dilution Factor _____

47 Leachant Replacement Date and Time(d:hr:min) 6/6/00 10:30
 Initial pH of Leachant 5.895 Final pH of Leachate 5.589
 Cation Analysis No. T48-002 Dilution Factor _____

48 Leachant Replacement Date and Time(d:hr:min) 6/20/00 1200
 Initial pH of Leachant 5.910 Final pH of Leachate 5.348
 Cation Analysis No. T49-002 Dilution Factor _____

49 Leachant Replacement Date and Time(d:hr:min) 7/5/00 8:30
 Initial pH of Leachant 6.011 Final pH of Leachate 5.491
 Cation Analysis No. T50-002 Dilution Factor _____

50 Leachant Replacement Date and Time(d:hr:min) 7/18/00 10:30
 Initial pH of Leachant 6.052 Final pH of Leachate 5.908
 Cation Analysis No. T51-002 Dilution Factor _____

Filtered
 Specimen
 Spilled 4/11/00

J.P.
 6/6/00

J.P.
 8/11/00

LONG-TERM TEST DATA SHEET

Test ID EAW-T1Vessel ID No. 003Batch Cleaning No. 7-21-99Glass Sample ID EASample Weight (g) 2.99976Sample Preparation Date 7-26-99Type of Solution D1 H₂OLeachant Volume (ml) 30Initial pH of Leachant 5.764Weight of Empty Vessel (g) 126.96015Weight of Vessel + Sample (g) 129.951152nd Weight of Sample (Difference of the last two items) (g) 2.9910Total Weight of Vessel + Sample + Solution (g) 159.67465Test Temperature 90°CDate and Time Test Started (d:hr:min) 7/27/99; 10:20Final pH of Leachate 12.002Cation Analysis No. T1-003

Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 7/30/99; 9:50Initial pH of Leachant 5.768Cation Analysis No. T2-003Final pH of Leachate 11.988

Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 8/3/99; 9:15Initial pH of Leachant 5.904Cation Analysis No. T3-003Final pH of Leachate 11.759

Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 8/6/99; 10:05Initial pH of Leachant 5.913Cation Analysis No. T4-003Final pH of Leachate 11.826

Dilution Factor _____

4 Leachant Replacement Date and Time(d:hr:min) 8/10/99; 10:25Initial pH of Leachant 5.906Cation Analysis No. T5-003Final pH of Leachate 11.546

Dilution Factor _____

5 Leachant Replacement Date and Time(d:hr:min) 8/13/99; 10:15Initial pH of Leachant 6.258Cation Analysis No. T6-003Final pH of Leachate 11.571

Dilution Factor _____

6 Leachant Replacement Date and Time(d:hr:min) 8/17/99; 10:12Initial pH of Leachant 5.914Cation Analysis No. T7-003Final pH of Leachate 11.483

Dilution Factor _____

7 Leachant Replacement Date and Time(d:hr:min) 8/20/99; 8:52Initial pH of Leachant 5.919Cation Analysis No. T8-003Final pH of Leachate 11.442

Dilution Factor _____

8 Leachant Replacement Date and Time(d:hr:min) 8/24/99; 9:00Initial pH of Leachant 5.551Cation Analysis No. T9-003Final pH of Leachate 11.358

Dilution Factor _____

* Cloudy particles removed
w/leachant, unknown
compositionJJP
8/26/99

003

9 Leachant Replacement Date and Time(d:hr:min) 8/27/99; 8:45Initial pH of Leachant 5.658Cation Analysis No. T10-003Final pH of Leachate 11.263

Dilution Factor _____

10 Leachant Replacement Date and Time(d:hr:min) 8/31/99; 9:30Initial pH of Leachant 5.402Cation Analysis No. T11-003Final pH of Leachate 11.205

Dilution Factor _____

11 Leachant Replacement Date and Time(d:hr:min) 9/3/99; 9:30Initial pH of Leachant 6.123Cation Analysis No. T12-003Final pH of Leachate 11.088

Dilution Factor _____

12 Leachant Replacement Date and Time(d:hr:min) 9/7/99; 9:00Initial pH of Leachant 5.777Cation Analysis No. T13-003Final pH of Leachate 10.958

Dilution Factor _____

13 Leachant Replacement Date and Time(d:hr:min) 9/10/99; 10:00Initial pH of Leachant 6.275Cation Analysis No. T14-003Final pH of Leachate 10.877

Dilution Factor _____

14 Leachant Replacement Date and Time(d:hr:min) 9/14/99; 9:15Initial pH of Leachant 5.764Cation Analysis No. T15-003Final pH of Leachate 10.828

Dilution Factor _____

15 Leachant Replacement Date and Time(d:hr:min) 9/17/99; 9:00Initial pH of Leachant 5.912Cation Analysis No. T16-003Final pH of Leachate 10.640

Dilution Factor _____

16 Leachant Replacement Date and Time(d:hr:min) 9/21/99; 10:00Initial pH of Leachant 5.703Cation Analysis No. T17-003Final pH of Leachate 10.006

Dilution Factor _____

17 Leachant Replacement Date and Time(d:hr:min) 9/24/99; 10:30Initial pH of Leachant 5.400Cation Analysis No. T18-003Final pH of Leachate 10.551

Dilution Factor _____

18 Leachant Replacement Date and Time(d:hr:min) 9/28/99; 9:30Initial pH of Leachant 5.310Cation Analysis No. T19-003Final pH of Leachate 10.380

Dilution Factor _____

19 Leachant Replacement Date and Time(d:hr:min) 10/1/99; 9:30Initial pH of Leachant 5.878Cation Analysis No. T20-003Final pH of Leachate 10.356

Dilution Factor _____

20 Leachant Replacement Date and Time(d:hr:min) 10/5/99; 9:30Initial pH of Leachant 5.501Cation Analysis No. T21-003Final pH of Leachate 10.266

Dilution Factor _____

21 Leachant Replacement Date and Time(d:hr:min) 10/8/99; 9:30Initial pH of Leachant 5.400Cation Analysis No. T22-003Final pH of Leachate 10.354

Dilution Factor _____

22 Leachant Replacement Date and Time(d:hr:min) 10/12/99; 9:45Initial pH of Leachant 5.623Cation Analysis No. T23-003Final pH of Leachate 10.299

Dilution Factor _____

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10/14/99

003

23 Leachant Replacement Date and Time(d:hr:min) 10/15/99 9:45
Initial pH of Leachant 5.539 Final pH of Leachate 10.144
Cation Analysis No. T24-003 Dilution Factor _____

24 Leachant Replacement Date and Time(d:hr:min) 10/26/99 10:00
Initial pH of Leachant 5.440 Final pH of Leachate 10.098
Cation Analysis No. T25-003 Dilution Factor _____

25 Leachant Replacement Date and Time(d:hr:min) 11/2/99 9:55
Initial pH of Leachant 5.335 Final pH of Leachate 10.239
Cation Analysis No. T26-003 Dilution Factor _____

26 Leachant Replacement Date and Time(d:hr:min) 11/9/99 9:30
Initial pH of Leachant 5.624 Final pH of Leachate 10.201
Cation Analysis No. T27-003 Dilution Factor _____

27 Leachant Replacement Date and Time(d:hr:min) 11/16/99 1:00
Initial pH of Leachant 5.325 Final pH of Leachate 10.278
Cation Analysis No. T28-003 Dilution Factor _____

28 Leachant Replacement Date and Time(d:hr:min) 11/23/99 10:30
Initial pH of Leachant 5.967 Final pH of Leachate 10.254
Cation Analysis No. T29-003 Dilution Factor _____

29 Leachant Replacement Date and Time(d:hr:min) 11/30/99 10:00
Initial pH of Leachant 5.400 Final pH of Leachate 10.195
Cation Analysis No. T30-003 Dilution Factor _____

30 Leachant Replacement Date and Time(d:hr:min) 12/7/99 11:15
Initial pH of Leachant 5.490 Final pH of Leachate 9.878
Cation Analysis No. T31-003 Dilution Factor _____

31 Leachant Replacement Date and Time(d:hr:min) 12/14/99 10:00
Initial pH of Leachant 5.846 Final pH of Leachate 10.083
Cation Analysis No. T32-003 Dilution Factor _____

32 Leachant Replacement Date and Time(d:hr:min) 12/21/99 10:00
Initial pH of Leachant 6.597 Final pH of Leachate 10.031
Cation Analysis No. T33-003 Dilution Factor _____

33 Leachant Replacement Date and Time(d:hr:min) 12/28/99 11:15
Initial pH of Leachant 5.882 Final pH of Leachate 10.115
Cation Analysis No. T34-003 Dilution Factor _____

34 Leachant Replacement Date and Time(d:hr:min) 1/4/00 10:30
Initial pH of Leachant 5.802 Final pH of Leachate 10.050
Cation Analysis No. T35-003 Dilution Factor _____

35 Leachant Replacement Date and Time(d:hr:min) 1/11/00 10:30
Initial pH of Leachant 5.705 Final pH of Leachate 9.993
Cation Analysis No. T36-003 Dilution Factor _____

36 Leachant Replacement Date and Time(d:hr:min) 1/18/00 10:50
Initial pH of Leachant 5.775 Final pH of Leachate 10.044
Cation Analysis No. T37-003 Dilution Factor _____

J.P.
1/20/00

003

37 Leachant Replacement Date and Time(d:hr:min) 1/25/00 10:45
Initial pH of Leachant 5.752 Final pH of Leachate 10.008
Cation Analysis No. T38-003 Dilution Factor _____

38 Leachant Replacement Date and Time(d:hr:min) 2/2/00 3pm
Initial pH of Leachant 5.856 Final pH of Leachate 9.947
Cation Analysis No. T39-003 Dilution Factor _____

39 Leachant Replacement Date and Time(d:hr:min) 2/15/00 10:30
Initial pH of Leachant 5.488 Final pH of Leachate 10.065
Cation Analysis No. T40-003 Dilution Factor _____

40 Leachant Replacement Date and Time(d:hr:min) 2/29/00 2:30pm
Initial pH of Leachant 5.310 Final pH of Leachate 9.990
Cation Analysis No. T41-003 Dilution Factor _____

41 Leachant Replacement Date and Time(d:hr:min) 3/14/00 11:00am
Initial pH of Leachant 5.730 Final pH of Leachate 10.017
Cation Analysis No. T42-003 Dilution Factor _____

42 Leachant Replacement Date and Time(d:hr:min) 3/28/00 10:00am
Initial pH of Leachant 4.652 Final pH of Leachate 9.526
Cation Analysis No. T43-003 Dilution Factor _____

43 Leachant Replacement Date and Time(d:hr:min) 4/11/00 2:00pm
Initial pH of Leachant 6.097 Final pH of Leachate 8.780
Cation Analysis No. T44-003 Dilution Factor _____

44 Leachant Replacement Date and Time(d:hr:min) 4/25/00 2:00pm
Initial pH of Leachant 5.870 Final pH of Leachate 9.873
Cation Analysis No. T45-003 Dilution Factor _____

45 Leachant Replacement Date and Time(d:hr:min) 5/9/00 10:30
Initial pH of Leachant 6.077 Final pH of Leachate 8.419
Cation Analysis No. T46-003 Dilution Factor _____

46 Leachant Replacement Date and Time(d:hr:min) 5/23/00 2:00pm
Initial pH of Leachant 5.887 Final pH of Leachate 8.441
Cation Analysis No. T47-003 Dilution Factor _____

47 Leachant Replacement Date and Time(d:hr:min) 6/6/00 10:30
Initial pH of Leachant 5.895 Final pH of Leachate 9.967
Cation Analysis No. T48-003 Dilution Factor _____

48 Leachant Replacement Date and Time(d:hr:min) 6/20/00 1:00pm
Initial pH of Leachant 5.910 Final pH of Leachate 8.407
Cation Analysis No. T49-003 Dilution Factor _____

49 Leachant Replacement Date and Time(d:hr:min) 7/5/00 8:30
Initial pH of Leachant 6.011 Final pH of Leachate 8.903
Cation Analysis No. T50-003 Dilution Factor _____

50 Leachant Replacement Date and Time(d:hr:min) 7/18/00 10:30
Initial pH of Leachant 6.052 Final pH of Leachate 8.411
Cation Analysis No. T51-003 Dilution Factor _____

J.P.
8/11/00

LONG-TERM TEST DATA SHEET

Test ID EAW-T2Vessel ID No. 004Batch Cleaning No. 7-21-99Glass Sample ID EASample Weight (g) 3.00178Sample Preparation Date 7-26-99Type of Solution D1 H₂OLeachant Volume (ml) 30Initial pH of Leachant 5.784Weight of Empty Vessel (g) 126.17435Weight of Vessel + Sample (g) 129.188502nd Weight of Sample (Difference of the last two items) (g) 3.01415Total Weight of Vessel + Sample + Solution (g) 158.76430Test Temperature 90°CDate and Time Test Started (d:hr:min) 7/27/99; 10:20Final pH of Leachate 12.009Cation Analysis No. T1-004

Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 7/30/99; 9:50Initial pH of Leachant 5.768Final pH of Leachate 12.025Cation Analysis No. T2-004

Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 8/3/99; 9:15Initial pH of Leachant 5.904Final pH of Leachate 11.756Cation Analysis No. T3-004

Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 8/6/99; 10:05Initial pH of Leachant 5.913Final pH of Leachate 11.820Cation Analysis No. T4-004

Dilution Factor _____

4 Leachant Replacement Date and Time(d:hr:min) 8/10/99; 10:25Initial pH of Leachant 5.906Final pH of Leachate 11.578Cation Analysis No. T5-004

Dilution Factor _____

5 Leachant Replacement Date and Time(d:hr:min) 8/13/99; 10:15Initial pH of Leachant 6.258Final pH of Leachate 11.544Cation Analysis No. T6-004

Dilution Factor _____

6 Leachant Replacement Date and Time(d:hr:min) 8/17/99; 10:12Initial pH of Leachant 5.914Final pH of Leachate 11.485Cation Analysis No. T7-004

Dilution Factor _____

7 Leachant Replacement Date and Time(d:hr:min) 8/20/99; 8:50Initial pH of Leachant 5.919Final pH of Leachate 11.467Cation Analysis No. T8-004

Dilution Factor _____

8 Leachant Replacement Date and Time(d:hr:min) 8/24/99; 9:00Initial pH of Leachant 5.581Final pH of Leachate 11.398Cation Analysis No. T9-004

Dilution Factor _____

YB Pa
8/26/99

004

9 Leachant Replacement Date and Time(d:hr:min) 8/27/99; 8:45Initial pH of Leachant 5.658Final pH of Leachate 11.321Cation Analysis No. T10-004

Dilution Factor _____

10 Leachant Replacement Date and Time(d:hr:min) 8/31/99; 9:30Initial pH of Leachant 5.402Final pH of Leachate 11.244Cation Analysis No. T11-004

Dilution Factor _____

11 Leachant Replacement Date and Time(d:hr:min) 9/3/99; 9:30Initial pH of Leachant 6.123Final pH of Leachate 11.136Cation Analysis No. T12-004

Dilution Factor _____

12 Leachant Replacement Date and Time(d:hr:min) 9/7/99; 9:00Initial pH of Leachant 5.777Final pH of Leachate 11.016Cation Analysis No. T13-004

Dilution Factor _____

13 Leachant Replacement Date and Time(d:hr:min) 9/10/99; 10:00Initial pH of Leachant 6.275Final pH of Leachate 10.925Cation Analysis No. T14-004

Dilution Factor _____

14 Leachant Replacement Date and Time(d:hr:min) 9/14/99; 9:15Initial pH of Leachant 5.764Final pH of Leachate 10.851Cation Analysis No. T15-004

Dilution Factor _____

15 Leachant Replacement Date and Time(d:hr:min) 9/17/99; 9:00Initial pH of Leachant 5.912Final pH of Leachate 10.646Cation Analysis No. T16-004

Dilution Factor _____

16 Leachant Replacement Date and Time(d:hr:min) 9/21/99; 10:00Initial pH of Leachant 5.703Final pH of Leachate 10.242Cation Analysis No. T17-004

Dilution Factor _____

17 Leachant Replacement Date and Time(d:hr:min) 9/24/99; 10:30Initial pH of Leachant 5.400Final pH of Leachate 10.557Cation Analysis No. T18-004

Dilution Factor _____

18 Leachant Replacement Date and Time(d:hr:min) 9/28/99; 9:30Initial pH of Leachant 5.310Final pH of Leachate 10.377Cation Analysis No. T19-004

Dilution Factor _____

19 Leachant Replacement Date and Time(d:hr:min) 10/1/99; 9:30Initial pH of Leachant 5.878Final pH of Leachate 10.214Cation Analysis No. T20-004

Dilution Factor _____

20 Leachant Replacement Date and Time(d:hr:min) 10/5/99; 9:30Initial pH of Leachant 5.501Final pH of Leachate 10.031Cation Analysis No. T21-004

Dilution Factor _____

21 Leachant Replacement Date and Time(d:hr:min) 10/8/99; 9:30Initial pH of Leachant 5.100Final pH of Leachate 10.360Cation Analysis No. T22-004

Dilution Factor _____

22 Leachant Replacement Date and Time(d:hr:min) 10/12/99; 9:45Initial pH of Leachant 5.023Final pH of Leachate 10.003Cation Analysis No. T23-004

Dilution Factor _____

YB Pa
10/14/99

004

23 Leachant Replacement Date and Time(d:hr:min) 10/15/99 9:45
Initial pH of Leachant 5.539 Final pH of Leachate 10.205
Cation Analysis No. T24-004 Dilution Factor _____

24 Leachant Replacement Date and Time(d:hr:min) 10/26/99 10:00
Initial pH of Leachant 5.440 Final pH of Leachate 10.165
Cation Analysis No. T25-004 Dilution Factor _____

25 Leachant Replacement Date and Time(d:hr:min) 11/2/99 9:55
Initial pH of Leachant 5.335 Final pH of Leachate 10.219
Cation Analysis No. T26-004 Dilution Factor _____

26 Leachant Replacement Date and Time(d:hr:min) 11/9/99 9:30
11/16/99 1:00
Initial pH of Leachant 5.624 Final pH of Leachate 10.210
Cation Analysis No. T27-004 Dilution Factor _____

27 Leachant Replacement Date and Time(d:hr:min) 11/16/99 1:00
11/23/99 10:30
Initial pH of Leachant 5.325 Final pH of Leachate 10.291
Cation Analysis No. T28-004 Dilution Factor _____

28 Leachant Replacement Date and Time(d:hr:min) 11/23/99 10:30
Initial pH of Leachant 5.967 Final pH of Leachate 10.234
Cation Analysis No. T29-004 Dilution Factor _____

29 Leachant Replacement Date and Time(d:hr:min) 11/30/99 10:00
Initial pH of Leachant 5.400 Final pH of Leachate 10.191
Cation Analysis No. T30-004 Dilution Factor _____

30 Leachant Replacement Date and Time(d:hr:min) 12/7/99 11:15
Initial pH of Leachant 5.490 Final pH of Leachate 10.128
Cation Analysis No. T31-004 Dilution Factor _____

31 Leachant Replacement Date and Time(d:hr:min) 12/14/99 10:00
Initial pH of Leachant 5.846 Final pH of Leachate 10.137
Cation Analysis No. T32-004 Dilution Factor _____

32 Leachant Replacement Date and Time(d:hr:min) 12/21/99 10:00
Initial pH of Leachant 6.597 Final pH of Leachate 10.133
Cation Analysis No. T33-004 Dilution Factor _____

33 Leachant Replacement Date and Time(d:hr:min) 12/28/99 11:15
Initial pH of Leachant 5.882 Final pH of Leachate 10.118
Cation Analysis No. T34-004 Dilution Factor _____

34 Leachant Replacement Date and Time(d:hr:min) 1/4/00 10:30
Initial pH of Leachant 5.802 Final pH of Leachate 10.029
Cation Analysis No. T35-004 Dilution Factor _____

35 Leachant Replacement Date and Time(d:hr:min) 1/11/00 10:30
Initial pH of Leachant 5.705 Final pH of Leachate 10.009
Cation Analysis No. T36-004 Dilution Factor _____

36 Leachant Replacement Date and Time(d:hr:min) 1/18/00 10:50
Initial pH of Leachant 5.795 Final pH of Leachate 10.087
Cation Analysis No. T37-004 Dilution Factor _____

gib Pa
1/20/00

004

37 Leachant Replacement Date and Time(d:hr:min) 1/25/00 10:45
Initial pH of Leachant 5.752 Final pH of Leachate 9.692
Cation Analysis No. T38-004 Dilution Factor _____

38 Leachant Replacement Date and Time(d:hr:min) 2/2/00 3pm
Initial pH of Leachant 5.856 Final pH of Leachate 9.982
Cation Analysis No. T39-004 Dilution Factor _____

39 Leachant Replacement Date and Time(d:hr:min) 2/15/00 10:30
Initial pH of Leachant 5.488 Final pH of Leachate 9.894
Cation Analysis No. T40-004 Dilution Factor _____

40 Leachant Replacement Date and Time(d:hr:min) 2/29/00 2:30pm
Initial pH of Leachant 5.310 Final pH of Leachate 9.936
Cation Analysis No. T41-004 Dilution Factor _____

41 Leachant Replacement Date and Time(d:hr:min) 3/14/00 11:00am
Initial pH of Leachant 5.730 Final pH of Leachate 9.878
Cation Analysis No. T42-004 Dilution Factor _____

42 Leachant Replacement Date and Time(d:hr:min) 3/28/00 10:00am
Initial pH of Leachant 4.652 Final pH of Leachate 9.659
Cation Analysis No. T43-004 Dilution Factor _____

43 Leachant Replacement Date and Time(d:hr:min) 4/11/00 2:00pm
Initial pH of Leachant 6.097 Final pH of Leachate 9.827
Cation Analysis No. T44-004 Dilution Factor _____

44 Leachant Replacement Date and Time(d:hr:min) 4/25/00 2:00pm
Initial pH of Leachant 5.870 Final pH of Leachate 9.911
Cation Analysis No. T45-004 Dilution Factor _____

45 Leachant Replacement Date and Time(d:hr:min) 5/6/00 10:30
Initial pH of Leachant 6.077 Final pH of Leachate 8.581
Cation Analysis No. T46-004 Dilution Factor _____

46 Leachant Replacement Date and Time(d:hr:min) 5/23/00 2:00pm
Initial pH of Leachant 5.887 Final pH of Leachate 8.454
Cation Analysis No. T47-004 Dilution Factor _____

47 Leachant Replacement Date and Time(d:hr:min) 6/6/00 10:30
Initial pH of Leachant 5.895 Final pH of Leachate 10.010
Cation Analysis No. T48-004 Dilution Factor _____

48 Leachant Replacement Date and Time(d:hr:min) 6/20/00 1:00pm
Initial pH of Leachant 5.910 Final pH of Leachate 9.957
Cation Analysis No. T49-004 Dilution Factor _____

49 Leachant Replacement Date and Time(d:hr:min) 7/5/00 8:30
Initial pH of Leachant 6.011 Final pH of Leachate 9.284
Cation Analysis No. T50-004 Dilution Factor _____

50 Leachant Replacement Date and Time(d:hr:min) 7/18/00 10:30
Initial pH of Leachant 6.052 Final pH of Leachate 9.336
Cation Analysis No. T51-004 Dilution Factor _____

gib Pa
8/11/00

LONG-TERM TEST DATA SHEET

Test ID EAW-T3Vessel ID No. 005Batch Cleaning No. 7-21-99Glass Sample ID EASample Weight (g) 3.00047Sample Preparation Date 7-26-99Type of Solution D1 H₂OLeachant Volume (ml) 30Initial pH of Leachant 5.784Weight of Empty Vessel (g) 125.90580Weight of Vessel + Sample (g) 128.935402nd Weight of Sample (Difference of the last two items) (g) 3.02960Total Weight of Vessel + Sample + Solution (g) 158.52260Test Temperature 90°CDate and Time Test Started (d:hr:min) 7/27/99; 10:20Final pH of Leachate 12.011Cation Analysis No. T1-005

Dilution Factor

1 Leachant Replacement Date and Time(d:hr:min) 7/30/99; 9:50Initial pH of Leachant 5.768Final pH of Leachate 12.010Cation Analysis No. T2-005

Dilution Factor

2 Leachant Replacement Date and Time(d:hr:min) 8/3/99; 9:15Initial pH of Leachant 5.904Final pH of Leachate 11.727Cation Analysis No. T3-005

Dilution Factor

3 Leachant Replacement Date and Time(d:hr:min) 8/6/99; 10:05Initial pH of Leachant 5.913Final pH of Leachate 11.808Cation Analysis No. T4-005

Dilution Factor

4 Leachant Replacement Date and Time(d:hr:min) 8/10/99; 10:25Initial pH of Leachant 5.906Final pH of Leachate 11.550Cation Analysis No. T5-005

Dilution Factor

5 Leachant Replacement Date and Time(d:hr:min) 8/13/99; 10:15Initial pH of Leachant 6.258Final pH of Leachate 11.545Cation Analysis No. T6-005

Dilution Factor

6 Leachant Replacement Date and Time(d:hr:min) 8/17/99; 10:12Initial pH of Leachant 5.914Final pH of Leachate 11.499Cation Analysis No. T7-005

Dilution Factor

7 Leachant Replacement Date and Time(d:hr:min) 8/20/99; 8:50Initial pH of Leachant 5.919Final pH of Leachate 11.469Cation Analysis No. T8-005

Dilution Factor

8 Leachant Replacement Date and Time(d:hr:min) 8/24/99; 9:00Initial pH of Leachant 5.581Final pH of Leachate 11.418Cation Analysis No. T9-005

Dilution Factor

Joe Pa
8/26/99

005

9 Leachant Replacement Date and Time(d:hr:min) 8/27/99; 8:45Initial pH of Leachant 5.658Final pH of Leachate 11.343Cation Analysis No. T10-005

Dilution Factor

10 Leachant Replacement Date and Time(d:hr:min) 8/31/99; 9:30Initial pH of Leachant 5.402Final pH of Leachate 11.260Cation Analysis No. T11-005

Dilution Factor

11 Leachant Replacement Date and Time(d:hr:min) 9/3/99; 9:30Initial pH of Leachant 6.123Final pH of Leachate 11.179Cation Analysis No. T12-005

Dilution Factor

12 Leachant Replacement Date and Time(d:hr:min) 9/7/99; 9:30Initial pH of Leachant 5.777Final pH of Leachate 11.068Cation Analysis No. T13-005

Dilution Factor

13 Leachant Replacement Date and Time(d:hr:min) 9/10/99; 10:00Initial pH of Leachant 6.275Final pH of Leachate 10.993Cation Analysis No. T14-005

Dilution Factor

14 Leachant Replacement Date and Time(d:hr:min) 9/14/99; 9:15Initial pH of Leachant 5.764Final pH of Leachate 10.908Cation Analysis No. T15-005

Dilution Factor

15 Leachant Replacement Date and Time(d:hr:min) 9/17/99; 9:00Initial pH of Leachant 5.912Final pH of Leachate 10.762Cation Analysis No. T16-005

Dilution Factor

16 Leachant Replacement Date and Time(d:hr:min) 9/21/99; 10:00Initial pH of Leachant 5.703Final pH of Leachate 10.223Cation Analysis No. T17-005

Dilution Factor

17 Leachant Replacement Date and Time(d:hr:min) 9/24/99; 10:30Initial pH of Leachant 5.400Final pH of Leachate 10.625Cation Analysis No. T18-005

Dilution Factor

18 Leachant Replacement Date and Time(d:hr:min) 9/28/99; 9:30Initial pH of Leachant 5.310Final pH of Leachate 10.453Cation Analysis No. T19-005

Dilution Factor

19 Leachant Replacement Date and Time(d:hr:min) 10/1/99; 9:30Initial pH of Leachant 5.878Final pH of Leachate 10.209Cation Analysis No. T20-005

Dilution Factor

20 Leachant Replacement Date and Time(d:hr:min) 10/5/99; 9:30Initial pH of Leachant 5.501Final pH of Leachate 9.879Cation Analysis No. T21-005

Dilution Factor

21 Leachant Replacement Date and Time(d:hr:min) 10/8/99; 9:30Initial pH of Leachant 5.400Final pH of Leachate 10.409Cation Analysis No. T22-005

Dilution Factor

22 Leachant Replacement Date and Time(d:hr:min) 10/12/99; 9:45Initial pH of Leachant 5.623Final pH of Leachate 10.353Cation Analysis No. T23-005

Dilution Factor

Joe Pa
10/14/99

005

23 Leachant Replacement Date and Time(d:hr:min) 10/15/99 9:45
Initial pH of Leachant 5.539 Final pH of Leachate 10.252
Cation Analysis No. T24-005 Dilution Factor _____

24 Leachant Replacement Date and Time(d:hr:min) 10/26/99 10:00
Initial pH of Leachant 5.440 Final pH of Leachate 10.144
Cation Analysis No. T25-005 Dilution Factor _____

25 Leachant Replacement Date and Time(d:hr:min) 11/2/99 9:55
Initial pH of Leachant 5.335 Final pH of Leachate 10.254
Cation Analysis No. T26-005 Dilution Factor _____

26 Leachant Replacement Date and Time(d:hr:min) 11/9/99 9:30
Initial pH of Leachant 5.624 Final pH of Leachate 10.260
Cation Analysis No. T27-005 Dilution Factor _____

27 Leachant Replacement Date and Time(d:hr:min) 11/16/99 1:00
Initial pH of Leachant 5.325 Final pH of Leachate 10.314
Cation Analysis No. T28-005 Dilution Factor _____

28 Leachant Replacement Date and Time(d:hr:min) 11/23/99 10:30
Initial pH of Leachant 5.967 Final pH of Leachate 10.250
Cation Analysis No. T29-005 Dilution Factor _____

29 Leachant Replacement Date and Time(d:hr:min) 11/30/99 10:00
Initial pH of Leachant 5.400 Final pH of Leachate 10.221
Cation Analysis No. T30-005 Dilution Factor _____

30 Leachant Replacement Date and Time(d:hr:min) 12/7/99 11:15
Initial pH of Leachant 5.490 Final pH of Leachate 10.127
Cation Analysis No. T31-005 Dilution Factor _____

31 Leachant Replacement Date and Time(d:hr:min) 12/14/99 10:00
Initial pH of Leachant 5.846 Final pH of Leachate 10.109
Cation Analysis No. T32-005 Dilution Factor _____

32 Leachant Replacement Date and Time(d:hr:min) 12/21/99 10:00
Initial pH of Leachant 6.597 Final pH of Leachate 10.155
Cation Analysis No. T33-005 Dilution Factor _____

33 Leachant Replacement Date and Time(d:hr:min) 12/28/99 11:15
Initial pH of Leachant 5.882 Final pH of Leachate 10.134
Cation Analysis No. T34-005 Dilution Factor _____

34 Leachant Replacement Date and Time(d:hr:min) 1/4/00 10:30
Initial pH of Leachant 5.802 Final pH of Leachate 9.923
Cation Analysis No. T35-005 Dilution Factor _____

35 Leachant Replacement Date and Time(d:hr:min) 1/11/00 10:30
Initial pH of Leachant 5.705 Final pH of Leachate 10.113
Cation Analysis No. T36-005 Dilution Factor _____

36 Leachant Replacement Date and Time(d:hr:min) 1/18/00 10:50
Initial pH of Leachant 5.795 Final pH of Leachate 10.108
Cation Analysis No. T37-005 Dilution Factor _____

YJP
1/20/00

005

37 Leachant Replacement Date and Time(d:hr:min) 1/25/00 10:45
Initial pH of Leachant 5.752 Final pH of Leachate 9.948
Cation Analysis No. T38-005 Dilution Factor _____

38 Leachant Replacement Date and Time(d:hr:min) 2/2/00 3pm
Initial pH of Leachant 5.856 Final pH of Leachate 10.043
Cation Analysis No. T39-005 Dilution Factor _____

39 Leachant Replacement Date and Time(d:hr:min) 2/15/00 10:30
Initial pH of Leachant 5.488 Final pH of Leachate 9.940
Cation Analysis No. T40-005 Dilution Factor _____

40 Leachant Replacement Date and Time(d:hr:min) 2/29/00 2:30pm
Initial pH of Leachant 5.310 Final pH of Leachate 10.007
Cation Analysis No. T41-005 Dilution Factor _____

41 Leachant Replacement Date and Time(d:hr:min) 3/14/00 11:00am
Initial pH of Leachant 5.730 Final pH of Leachate 9.976
Cation Analysis No. T42-005 Dilution Factor _____

42 Leachant Replacement Date and Time(d:hr:min) 3/28/00 10:00am
Initial pH of Leachant 4.652 Final pH of Leachate 9.943
Cation Analysis No. T43-005 Dilution Factor _____

43 Leachant Replacement Date and Time(d:hr:min) 4/11/00 2:00
Initial pH of Leachant 6.097 Final pH of Leachate 9.647
Cation Analysis No. T44-005 Dilution Factor _____

44 Leachant Replacement Date and Time(d:hr:min) 4/25/00 2:00
Initial pH of Leachant 5.870 Final pH of Leachate 9.928
Cation Analysis No. T45-005 Dilution Factor _____

45 Leachant Replacement Date and Time(d:hr:min) 5/9/00 10:30
Initial pH of Leachant 6.077 6.077 7.960 Final pH of Leachate 9.463
Cation Analysis No. T46-005 Dilution Factor _____

46 Leachant Replacement Date and Time(d:hr:min) 5/23/00 2:00pm
Initial pH of Leachant 5.887 Final pH of Leachate 9.674
Cation Analysis No. T47-005 Dilution Factor _____

47 Leachant Replacement Date and Time(d:hr:min) 6/6/00 10:30
Initial pH of Leachant 5.895 Final pH of Leachate 9.884
Cation Analysis No. T48-005 Dilution Factor _____

48 Leachant Replacement Date and Time(d:hr:min) 6/29/00 1:00pm
Initial pH of Leachant 5.910 Final pH of Leachate 9.007
Cation Analysis No. T49-005 Dilution Factor _____

49 Leachant Replacement Date and Time(d:hr:min) 7/5/00 2:30
Initial pH of Leachant 6.011 Final pH of Leachate 9.672
Cation Analysis No. T50-005 Dilution Factor _____

50 Leachant Replacement Date and Time(d:hr:min) 7/18/00 10:30
Initial pH of Leachant 6.052 Final pH of Leachate 8.988
Cation Analysis No. T51-005 Dilution Factor _____

YJP
8/11/00

LONG-TERM TEST DATA SHEET

Test ID SRSW-T1Vessel ID No. 006Batch Cleaning No. 7-21-99Glass Sample ID 6RSSample Weight (g) 3.00180Sample Preparation Date 7-26-99Type of Solution DI H₂OLeachant Volume (ml) 30Initial pH of Leachant 5.784Weight of Empty Vessel (g) 127.38690Weight of Vessel + Sample (g) 130.406252nd Weight of Sample (Difference of the last two items) (g) 3.01935Total Weight of Vessel + Sample + Solution (g) 160.15885Test Temperature 90°CDate and Time Test Started (d:hr:min) 7/27/99; 10:20Final pH of Leachate 10.493Cation Analysis No. T1-006

Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 7/30/99; 9:50Initial pH of Leachant 5.768Cation Analysis No. T2-006Final pH of Leachate 10.449

Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 8/3/99; 9:15Initial pH of Leachant 5.904Cation Analysis No. T3-006Final pH of Leachate 10.197

Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 8/6/99; 10:05Initial pH of Leachant 5.913Cation Analysis No. T4-006Final pH of Leachate 10.234

Dilution Factor _____

4 Leachant Replacement Date and Time(d:hr:min) 8/10/99; 10:25Initial pH of Leachant 5.906Cation Analysis No. T5-006Final pH of Leachate 9.992

Dilution Factor _____

5 Leachant Replacement Date and Time(d:hr:min) 8/13/99; 10:15Initial pH of Leachant 6.258Cation Analysis No. T6-006Final pH of Leachate 10.111

Dilution Factor _____

6 Leachant Replacement Date and Time(d:hr:min) 8/17/99; 10:12Initial pH of Leachant 5.914Cation Analysis No. T7-006Final pH of Leachate 10.069

Dilution Factor _____

7 Leachant Replacement Date and Time(d:hr:min) 8/20/99; 8:50Initial pH of Leachant 5.919Cation Analysis No. T8-006Final pH of Leachate 10.131

Dilution Factor _____

8 Leachant Replacement Date and Time(d:hr:min) 8/24/99; 9:00Initial pH of Leachant 5.581Cation Analysis No. T9-006Final pH of Leachate 10.081

Dilution Factor _____

006

9 Leachant Replacement Date and Time(d:hr:min) 8/27/99; 8:15Initial pH of Leachant 5.658Cation Analysis No. T10-006Final pH of Leachate 10.146

Dilution Factor _____

10 Leachant Replacement Date and Time(d:hr:min) 8/31/99; 9:30Initial pH of Leachant 5.402Cation Analysis No. T11-006Final pH of Leachate 10.133

Dilution Factor _____

11 Leachant Replacement Date and Time(d:hr:min) 9/3/99; 9:30Initial pH of Leachant 6.123Cation Analysis No. T12-006Final pH of Leachate 10.133

Dilution Factor _____

12 Leachant Replacement Date and Time(d:hr:min) 9/7/99; 9:00Initial pH of Leachant 5.777Cation Analysis No. T13-006Final pH of Leachate 10.090

Dilution Factor _____

13 Leachant Replacement Date and Time(d:hr:min) 9/10/99; 10:00Initial pH of Leachant 6.275Cation Analysis No. T14-006Final pH of Leachate 10.130

Dilution Factor _____

14 Leachant Replacement Date and Time(d:hr:min) 9/14/99; 9:15Initial pH of Leachant 5.764Cation Analysis No. T15-006Final pH of Leachate 10.125

Dilution Factor _____

15 Leachant Replacement Date and Time(d:hr:min) 9/17/99; 9:00Initial pH of Leachant 5.912Cation Analysis No. T16-006Final pH of Leachate 10.156

Dilution Factor _____

16 Leachant Replacement Date and Time(d:hr:min) 9/21/99; 10:00Initial pH of Leachant 5.703Cation Analysis No. T17-006Final pH of Leachate 9.627

Dilution Factor _____

17 Leachant Replacement Date and Time(d:hr:min) 9/24/99; 10:30Initial pH of Leachant 5.400Cation Analysis No. T18-006Final pH of Leachate 10.169

Dilution Factor _____

18 Leachant Replacement Date and Time(d:hr:min) 9/28/99; 9:30Initial pH of Leachant 5.310Cation Analysis No. T19-006Final pH of Leachate 10.004

Dilution Factor _____

19 Leachant Replacement Date and Time(d:hr:min) 10/1/99; 9:30Initial pH of Leachant 5.878Cation Analysis No. T20-006Final pH of Leachate 10.018

Dilution Factor _____

20 Leachant Replacement Date and Time(d:hr:min) 10/5/99; 9:30Initial pH of Leachant 5.501Cation Analysis No. T21-006Final pH of Leachate 9.984

Dilution Factor _____

21 Leachant Replacement Date and Time(d:hr:min) 10/8/99; 9:30Initial pH of Leachant 5.400Cation Analysis No. T22-006Final pH of Leachate 10.096

Dilution Factor _____

22 Leachant Replacement Date and Time(d:hr:min) 10/12/99; 9:45Initial pH of Leachant 5.623Cation Analysis No. T23-006Final pH of Leachate 10.126

Dilution Factor _____

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8/26/99

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10/14/99

006

23 Leachant Replacement Date and Time(d:hr:min) 10/15/99 9:45
Initial pH of Leachant 5.539 Final pH of Leachate 10.097
Cation Analysis No. T24-006 Dilution Factor _____

24 Leachant Replacement Date and Time(d:hr:min) 10/26/99 10:00
Initial pH of Leachant 5.440 Final pH of Leachate 10.151
Cation Analysis No. T25-006 Dilution Factor _____

25 Leachant Replacement Date and Time(d:hr:min) 11/2/99 9:55
Initial pH of Leachant 5.335 Final pH of Leachate 10.187
Cation Analysis No. T26-006 Dilution Factor _____

26 Leachant Replacement Date and Time(d:hr:min) 11/9/99 9:30
Initial pH of Leachant 5.624 Final pH of Leachate 10.194
Cation Analysis No. T27-006 Dilution Factor _____

27 Leachant Replacement Date and Time(d:hr:min) 11/16/99 1:00
Initial pH of Leachant 5.325 Final pH of Leachate 10.260
Cation Analysis No. T28-006 Dilution Factor _____

28 Leachant Replacement Date and Time(d:hr:min) 11/23/99 10:30
Initial pH of Leachant 5.967 Final pH of Leachate 10.242
Cation Analysis No. T29-006 Dilution Factor _____

29 Leachant Replacement Date and Time(d:hr:min) 11/30/99 10:00
Initial pH of Leachant 5.400 Final pH of Leachate 10.171
Cation Analysis No. T30-006 Dilution Factor _____

30 Leachant Replacement Date and Time(d:hr:min) 12/7/99 11:15
Initial pH of Leachant 5.490 Final pH of Leachate 10.138
Cation Analysis No. T31-006 Dilution Factor _____

31 Leachant Replacement Date and Time(d:hr:min) 12/14/99 10:00
Initial pH of Leachant 5.846 Final pH of Leachate 10.160
Cation Analysis No. T32-006 Dilution Factor _____

32 Leachant Replacement Date and Time(d:hr:min) 12/21/99 10:00
Initial pH of Leachant 6.597 Final pH of Leachate 10.174
Cation Analysis No. T33-006 Dilution Factor _____

33 Leachant Replacement Date and Time(d:hr:min) 12/28/99 11:15
Initial pH of Leachant 5.882 Final pH of Leachate 10.150
Cation Analysis No. T34-006 Dilution Factor _____

34 Leachant Replacement Date and Time(d:hr:min) 1/4/00 10:30
Initial pH of Leachant 5.802 Final pH of Leachate 10.082
Cation Analysis No. T35-006 Dilution Factor _____

35 Leachant Replacement Date and Time(d:hr:min) 1/11/00 10:30
Initial pH of Leachant 5.705 Final pH of Leachate 10.162
Cation Analysis No. T36-006 Dilution Factor _____

36 Leachant Replacement Date and Time(d:hr:min) 1/18/00 10:50
Initial pH of Leachant 5.795 Final pH of Leachate 10.202
Cation Analysis No. T37-006 Dilution Factor _____

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006

37 Leachant Replacement Date and Time(d:hr:min) 1/25/00 10:45
Initial pH of Leachant 5.752 Final pH of Leachate 10.136
Cation Analysis No. T38-006 Dilution Factor _____

38 Leachant Replacement Date and Time(d:hr:min) 2/2/00 3pm
Initial pH of Leachant 5.856 Final pH of Leachate 10.253
Cation Analysis No. T39-006 Dilution Factor _____

39 Leachant Replacement Date and Time(d:hr:min) 2/15/00 10:30
Initial pH of Leachant 5.488 Final pH of Leachate 10.235
Cation Analysis No. T40-006 Dilution Factor _____

40 Leachant Replacement Date and Time(d:hr:min) 2/27/00 2:30am
Initial pH of Leachant 5.310 Final pH of Leachate 10.195
Cation Analysis No. T41-006 Dilution Factor _____

41 Leachant Replacement Date and Time(d:hr:min) 3/14/00 11:00am
Initial pH of Leachant 5.730 Final pH of Leachate 9.967
Cation Analysis No. T42-006 Dilution Factor _____

42 Leachant Replacement Date and Time(d:hr:min) 3/28/00 10:00am
Initial pH of Leachant 4.652 Final pH of Leachate 10.131
Cation Analysis No. T43-006 Dilution Factor _____

43 Leachant Replacement Date and Time(d:hr:min) 4/11/00 2:00
Initial pH of Leachant 6.097 Final pH of Leachate 10.239
Cation Analysis No. T44-006 Dilution Factor _____

44 Leachant Replacement Date and Time(d:hr:min) 4/25/00 2:00
Initial pH of Leachant 5.870 Final pH of Leachate 10.143
Cation Analysis No. T45-006 Dilution Factor _____

45 Leachant Replacement Date and Time(d:hr:min) 5/9/00 10:30
Initial pH of Leachant 6.077 Final pH of Leachate 9.774
Cation Analysis No. T46-006 Dilution Factor _____

46 Leachant Replacement Date and Time(d:hr:min) 5/23/00 2:00pm
Initial pH of Leachant 5.887 Final pH of Leachate 9.848
Cation Analysis No. T47-006 Dilution Factor _____

47 Leachant Replacement Date and Time(d:hr:min) 6/6/00 10:30
Initial pH of Leachant 5.895 Final pH of Leachate 10.260
Cation Analysis No. T48-006 Dilution Factor _____

48 Leachant Replacement Date and Time(d:hr:min) 6/20/00 1:00pm
Initial pH of Leachant 5.910 Final pH of Leachate 9.966
Cation Analysis No. T49-006 Dilution Factor _____

49 Leachant Replacement Date and Time(d:hr:min) 7/5/00 8:30
Initial pH of Leachant 6.011 Final pH of Leachate 10.204
Cation Analysis No. T50-006 Dilution Factor _____

50 Leachant Replacement Date and Time(d:hr:min) 7/18/00 10:30
Initial pH of Leachant 6.052 Final pH of Leachate 10.156
Cation Analysis No. T51-006 Dilution Factor _____

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8/11/00

LONG-TERM TEST DATA SHEET

Test ID SRSW-T2

Vessel ID No. 007

Batch Cleaning No. 7-21-99

Glass Sample ID SRS

Sample Weight (g) 3.00106

Sample Preparation Date 7-26-99

Type of Solution D1 H₂O

Leachant Volume (ml) 30

Initial pH of Leachant 5.784

Weight of Empty Vessel (g) 127.00080

Weight of Vessel + Sample (g) 130.02330

2nd Weight of Sample (Difference of the last two items) (g) 3.02250

Total Weight of Vessel + Sample + Solution (g) 159.73185

Test Temperature 90°C

Date and Time Test Started (d:hr:min) 7/27/99; 10:20

Final pH of Leachate 10.482

Cation Analysis No. T1-007

Dilution Factor

1 Leachant Replacement Date and Time(d:hr:min) 7/30/99; 9:50

Initial pH of Leachant 5.768

Final pH of Leachate 10.435

Cation Analysis No. T2-007

Dilution Factor

2 Leachant Replacement Date and Time(d:hr:min) 8/3/99; 9:15

Initial pH of Leachant 5.904

Final pH of Leachate 10.078

Cation Analysis No. T3-007

Dilution Factor

3 Leachant Replacement Date and Time(d:hr:min) 8/6/99; 10:05

Initial pH of Leachant 5.913

Final pH of Leachate 10.259

Cation Analysis No. T4-007

Dilution Factor

4 Leachant Replacement Date and Time(d:hr:min) 8/10/99; 10:25

Initial pH of Leachant 5.906

Final pH of Leachate 10.001

Cation Analysis No. T5-007

Dilution Factor

5 Leachant Replacement Date and Time(d:hr:min) 8/13/99; 10:15

Initial pH of Leachant 6.258

Final pH of Leachate 10.128

Cation Analysis No. T6-007

Dilution Factor

6 Leachant Replacement Date and Time(d:hr:min) 8/17/99; 10:12

Initial pH of Leachant 5.914

Final pH of Leachate 10.071

Cation Analysis No. T7-007

Dilution Factor

7 Leachant Replacement Date and Time(d:hr:min) 8/20/99; 8:50

Initial pH of Leachant 5.919

Final pH of Leachate 10.133

Cation Analysis No. T8-007

Dilution Factor

8 Leachant Replacement Date and Time(d:hr:min) 8/24/99; 9:00

Initial pH of Leachant 5.551

Final pH of Leachate 10.088

Cation Analysis No. T9-007

Dilution Factor

gpa
8/26/99

007

9 Leachant Replacement Date and Time(d:hr:min) 8/27/99; 8:45

Initial pH of Leachant 5.658

Final pH of Leachate 10.142

Cation Analysis No. T10-007

Dilution Factor

10 Leachant Replacement Date and Time(d:hr:min) 8/31/99; 9:30

Initial pH of Leachant 5.402

Final pH of Leachate 10.118

Cation Analysis No. T11-007

Dilution Factor

11 Leachant Replacement Date and Time(d:hr:min) 9/3/99; 9:30

Initial pH of Leachant 6.123

Final pH of Leachate 10.137

Cation Analysis No. T12-007

Dilution Factor

12 Leachant Replacement Date and Time(d:hr:min) 9/7/99; 9:00

Initial pH of Leachant 5.777

Final pH of Leachate 10.073

Cation Analysis No. T13-007

Dilution Factor

13 Leachant Replacement Date and Time(d:hr:min) 9/10/99; 10:00

Initial pH of Leachant 6.275

Final pH of Leachate 10.146

Cation Analysis No. T14-007

Dilution Factor

14 Leachant Replacement Date and Time(d:hr:min) 9/14/99; 9:15

Initial pH of Leachant 5.764

Final pH of Leachate 10.132

Cation Analysis No. T15-007

Dilution Factor

15 Leachant Replacement Date and Time(d:hr:min) 9/17/99; 9:00

Initial pH of Leachant T16-007

Final pH of Leachate 10.162

Cation Analysis No. 5.912

Dilution Factor

16 Leachant Replacement Date and Time(d:hr:min) 9/21/99; 10:00

Initial pH of Leachant 5.703

Final pH of Leachate 9.552

Cation Analysis No. T17-007

Dilution Factor

17 Leachant Replacement Date and Time(d:hr:min) 9/24/99; 10:30

Initial pH of Leachant 5.400

Final pH of Leachate 10.172

Cation Analysis No. T18-007

Dilution Factor

18 Leachant Replacement Date and Time(d:hr:min) 9/28/99; 9:30

Initial pH of Leachant 5.310

Final pH of Leachate 10.039

Cation Analysis No. T19-007

Dilution Factor

19 Leachant Replacement Date and Time(d:hr:min) 10/1/99; 9:30

Initial pH of Leachant 5.878

Final pH of Leachate 10.027

Cation Analysis No. T20-007

Dilution Factor

20 Leachant Replacement Date and Time(d:hr:min) 10/5/99; 9:30

Initial pH of Leachant 5.501

Final pH of Leachate 10.070

Cation Analysis No. T21-007

Dilution Factor

21 Leachant Replacement Date and Time(d:hr:min) 10/8/99; 9:30

Initial pH of Leachant 5.400

Final pH of Leachate 9.997

Cation Analysis No. T22-007

Dilution Factor

22 Leachant Replacement Date and Time(d:hr:min) 10/12/99; 9:45

Initial pH of Leachant 5.623

Final pH of Leachate 10.051

Cation Analysis No. T23-007

Dilution Factor

gpa
10/14/99

007

23 Leachant Replacement Date and Time(d:hr:min) 10/15/99 9:45
 Initial pH of Leachant 5.539 Final pH of Leachate 10.100
 Cation Analysis No. T29-007 Dilution Factor _____

24 Leachant Replacement Date and Time(d:hr:min) 10/26/99 10:00
 Initial pH of Leachant 5.490 Final pH of Leachate 10.098
 Cation Analysis No. T25-007 Dilution Factor _____

25 Leachant Replacement Date and Time(d:hr:min) 11/2/99 9:55
 Initial pH of Leachant 5.335 Final pH of Leachate 10.194
 Cation Analysis No. T26-007 Dilution Factor _____

26 Leachant Replacement Date and Time(d:hr:min) 11/9/99 9:30
 Initial pH of Leachant 5.624 Final pH of Leachate 10.196
 Cation Analysis No. T27-007 Dilution Factor _____

27 Leachant Replacement Date and Time(d:hr:min) 11/16/99 7:00
 Initial pH of Leachant 5.325 Final pH of Leachate 10.265
 Cation Analysis No. T28-007 Dilution Factor _____

28 Leachant Replacement Date and Time(d:hr:min) 11/23/99 10:30
 Initial pH of Leachant 5.967 Final pH of Leachate 10.255
 Cation Analysis No. T29-007 Dilution Factor _____

29 Leachant Replacement Date and Time(d:hr:min) 11/30/99 10:00
 Initial pH of Leachant 5.400 Final pH of Leachate 10.100
 Cation Analysis No. T30-007 Dilution Factor _____

30 Leachant Replacement Date and Time(d:hr:min) 12/7/99 11:15
 Initial pH of Leachant 5.490 Final pH of Leachate 10.156
 Cation Analysis No. T31-007 Dilution Factor _____

31 Leachant Replacement Date and Time(d:hr:min) 12/14/99 10:00
 Initial pH of Leachant 5.846 Final pH of Leachate 10.057
 Cation Analysis No. T32-007 Dilution Factor _____

32 Leachant Replacement Date and Time(d:hr:min) 12/21/99 10:00
 Initial pH of Leachant 6.597 Final pH of Leachate 10.229
 Cation Analysis No. T33-007 Dilution Factor _____

33 Leachant Replacement Date and Time(d:hr:min) 12/28/99 11:15
 Initial pH of Leachant 5.882 Final pH of Leachate 10.203
 Cation Analysis No. T34-007 Dilution Factor _____

34 Leachant Replacement Date and Time(d:hr:min) 1/4/00 10:30
 Initial pH of Leachant 5.802 Final pH of Leachate 10.163
 Cation Analysis No. T35-007 Dilution Factor _____

35 Leachant Replacement Date and Time(d:hr:min) 1/11/00 10:30
 Initial pH of Leachant 5.705 Final pH of Leachate 10.168
 Cation Analysis No. T36-007 Dilution Factor _____

36 Leachant Replacement Date and Time(d:hr:min) 1/18/00 10:50
 Initial pH of Leachant 5.795 Final pH of Leachate 10.144
 Cation Analysis No. T37-007 Dilution Factor _____

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37 Leachant Replacement Date and Time(d:hr:min) 1/25/00 10:45
 Initial pH of Leachant 5.752 Final pH of Leachate 10.173
 Cation Analysis No. T38-007 Dilution Factor _____

38 Leachant Replacement Date and Time(d:hr:min) 2/2/00 3pm
 Initial pH of Leachant 5.856 Final pH of Leachate 10.245
 Cation Analysis No. T39-007 Dilution Factor _____

39 Leachant Replacement Date and Time(d:hr:min) 2/15/00 10:30
 Initial pH of Leachant 5.488 Final pH of Leachate 10.258
 Cation Analysis No. T40-007 Dilution Factor _____

40 Leachant Replacement Date and Time(d:hr:min) 2/27/00 2:30pm
 Initial pH of Leachant 5.310 Final pH of Leachate 10.209
 Cation Analysis No. T41-007 Dilution Factor _____

41 Leachant Replacement Date and Time(d:hr:min) 3/14/00 11:00am
 Initial pH of Leachant 5.730 Final pH of Leachate 10.174
 Cation Analysis No. T42-007 Dilution Factor _____

42 Leachant Replacement Date and Time(d:hr:min) 3/28/00 10:00am
 Initial pH of Leachant 4.652 Final pH of Leachate 9.533
 Cation Analysis No. T43-007 Dilution Factor _____

43 Leachant Replacement Date and Time(d:hr:min) 4/11/00 2:00
 Initial pH of Leachant 6.097 Final pH of Leachate 10.048
 Cation Analysis No. T44-007 Dilution Factor _____

44 Leachant Replacement Date and Time(d:hr:min) 4/25/00 2:00
 Initial pH of Leachant 5.870 Final pH of Leachate 10.154
 Cation Analysis No. T45-007 Dilution Factor _____

45 Leachant Replacement Date and Time(d:hr:min) 5-9-00 10:30
 Initial pH of Leachant 6.077 Final pH of Leachate 10.011
 Cation Analysis No. T46-007 Dilution Factor _____

46 Leachant Replacement Date and Time(d:hr:min) 5/23/00 2:00pm
 Initial pH of Leachant 5.887 Final pH of Leachate 9.891
 Cation Analysis No. T47-007 Dilution Factor _____

47 Leachant Replacement Date and Time(d:hr:min) 6/6/00 10:30
 Initial pH of Leachant 5.895 Final pH of Leachate 10.289
 Cation Analysis No. T48-007 Dilution Factor _____

48 Leachant Replacement Date and Time(d:hr:min) 6/20/00 1:00pm
 Initial pH of Leachant 5.910 Final pH of Leachate 10.187
 Cation Analysis No. T49-007 Dilution Factor _____

49 Leachant Replacement Date and Time(d:hr:min) 7/5/00 8:30
 Initial pH of Leachant 6.011 Final pH of Leachate 10.296
 Cation Analysis No. T50-007 Dilution Factor _____

50 Leachant Replacement Date and Time(d:hr:min) 7/18/00 10:30
 Initial pH of Leachant 6.052 Final pH of Leachate 9.972
 Cation Analysis No. T51-007 Dilution Factor _____

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 8/11/00

LONG-TERM TEST DATA SHEET

Test ID SRSW-T3Vessel ID No. 008Batch Cleaning No. 7-21-99Glass Sample ID SRSSample Weight (g) 2.99953Sample Preparation Date 7-26-99Type of Solution DI H₂OLeachant Volume (ml) 30Initial pH of Leachant 5.784Weight of Empty Vessel (g) 126.64370Weight of Vessel + Sample (g) 129.666252nd Weight of Sample (Difference of the last two items) (g) 3.02255Total Weight of Vessel + Sample + Solution (g) 159.40955Test Temperature 90°CDate and Time Test Started (d:hr:min) 7/27/99; 10:20Final pH of Leachate 10.460Cation Analysis No. T1-008

Dilution Factor

1 Leachant Replacement Date and Time(d:hr:min) 7/30/99; 9:50Initial pH of Leachant 5.768Final pH of Leachate 10.458Cation Analysis No. T2-008

Dilution Factor

2 Leachant Replacement Date and Time(d:hr:min) 8/3/99; 9:15Initial pH of Leachant 5.904Final pH of Leachate 10.182Cation Analysis No. T3-008

Dilution Factor

3 Leachant Replacement Date and Time(d:hr:min) 8/6/99; 10:05Initial pH of Leachant 5.913Final pH of Leachate 10.269Cation Analysis No. T4-008

Dilution Factor

4 Leachant Replacement Date and Time(d:hr:min) 8/10/99; 10:25Initial pH of Leachant 5.906Final pH of Leachate 10.953Cation Analysis No. T5-008

Dilution Factor

5 Leachant Replacement Date and Time(d:hr:min) 8/13/99; 10:15Initial pH of Leachant 6.258Final pH of Leachate 10.096Cation Analysis No. T6-008

Dilution Factor

6 Leachant Replacement Date and Time(d:hr:min) 8/17/99; 10:12Initial pH of Leachant 5.914Final pH of Leachate 10.043Cation Analysis No. T7-008

Dilution Factor

7 Leachant Replacement Date and Time(d:hr:min) 8/20/99; 8:50Initial pH of Leachant 5.919Final pH of Leachate 10.137Cation Analysis No. T8-008

Dilution Factor

8 Leachant Replacement Date and Time(d:hr:min) 8/24/99; 9:00Initial pH of Leachant 5.551Final pH of Leachate 10.088Cation Analysis No. T9-008

Dilution Factor

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9 Leachant Replacement Date and Time(d:hr:min) 8/27/99; 8:45Initial pH of Leachant 5.658Final pH of Leachate 10.149Cation Analysis No. T10-008

Dilution Factor

10 Leachant Replacement Date and Time(d:hr:min) 8/31/99; 9:30Initial pH of Leachant 5.402Final pH of Leachate 10.124Cation Analysis No. T11-008

Dilution Factor

11 Leachant Replacement Date and Time(d:hr:min) 9/3/99; 9:30Initial pH of Leachant 6.123Final pH of Leachate 10.160Cation Analysis No. T12-008

Dilution Factor

12 Leachant Replacement Date and Time(d:hr:min) 9/7/99; 9:00Initial pH of Leachant 5.777Final pH of Leachate 10.089Cation Analysis No. T13-008

Dilution Factor

13 Leachant Replacement Date and Time(d:hr:min) 9/10/99; 10:00Initial pH of Leachant 6.275Final pH of Leachate 10.139Cation Analysis No. T14-008

Dilution Factor

14 Leachant Replacement Date and Time(d:hr:min) 9/14/99; 9:15Initial pH of Leachant 5.764Final pH of Leachate 10.139Cation Analysis No. T15-008

Dilution Factor

15 Leachant Replacement Date and Time(d:hr:min) 9/17/99; 9:00Initial pH of Leachant 5.592Final pH of Leachate 10.148Cation Analysis No. T16-008

Dilution Factor

16 Leachant Replacement Date and Time(d:hr:min) 9/21/99; 10:00Initial pH of Leachant 5.703Final pH of Leachate 9.649Cation Analysis No. T17-008

Dilution Factor

17 Leachant Replacement Date and Time(d:hr:min) 9/24/99; 10:30Initial pH of Leachant 5.400Final pH of Leachate 10.160Cation Analysis No. T18-008

Dilution Factor

18 Leachant Replacement Date and Time(d:hr:min) 9/28/99; 9:30Initial pH of Leachant 5.310Final pH of Leachate 10.038Cation Analysis No. T19-008

Dilution Factor

19 Leachant Replacement Date and Time(d:hr:min) 10/1/99; 9:30Initial pH of Leachant 5.878Final pH of Leachate 10.061Cation Analysis No. T20-008

Dilution Factor

20 Leachant Replacement Date and Time(d:hr:min) 10/5/99; 9:30Initial pH of Leachant 5.561Final pH of Leachate 10.032Cation Analysis No. T21-008

Dilution Factor

21 Leachant Replacement Date and Time(d:hr:min) 10/8/99; 9:30Initial pH of Leachant 5.400Final pH of Leachate 9.934Cation Analysis No. T22-008

Dilution Factor

22 Leachant Replacement Date and Time(d:hr:min) 10-12-99 9:45Initial pH of Leachant 5.623Final pH of Leachate 10.104Cation Analysis No. T23-008

Dilution Factor

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JP Par
10/14/99

008

23 Leachant Replacement Date and Time(d:hr:min) 10/15/99 9:45
Initial pH of Leachant 5.539 Final pH of Leachate 10.095
Cation Analysis No. T24-008 Dilution Factor _____

24 Leachant Replacement Date and Time(d:hr:min) 10/26/99 10:00
Initial pH of Leachant 5.440 Final pH of Leachate 10.040
Cation Analysis No. T25-008 Dilution Factor _____

25 Leachant Replacement Date and Time(d:hr:min) 11/2/99 9:55
Initial pH of Leachant 5.335 Final pH of Leachate 10.174
Cation Analysis No. T26-008 Dilution Factor _____

26 Leachant Replacement Date and Time(d:hr:min) 11/9/99 9:30
Initial pH of Leachant 5.624 Final pH of Leachate 10.101
Cation Analysis No. T27-008 Dilution Factor _____

27 Leachant Replacement Date and Time(d:hr:min) 11/16/99 1:00
Initial pH of Leachant 5.325 Final pH of Leachate 10.255
Cation Analysis No. T28-008 Dilution Factor _____

28 Leachant Replacement Date and Time(d:hr:min) 11/23/99 10:30
Initial pH of Leachant 5.967 Final pH of Leachate 10.235
Cation Analysis No. T29-008 Dilution Factor _____

29 Leachant Replacement Date and Time(d:hr:min) 11/30/99 10:00
Initial pH of Leachant 5.400 Final pH of Leachate 10.206
Cation Analysis No. T30-008 Dilution Factor _____

30 Leachant Replacement Date and Time(d:hr:min) 12/7/99 11:15
Initial pH of Leachant 5.490 Final pH of Leachate 10.172
Cation Analysis No. T31-008 Dilution Factor _____

31 Leachant Replacement Date and Time(d:hr:min) 12/14/99 10:00
Initial pH of Leachant 5.846 Final pH of Leachate 10.105
Cation Analysis No. T32-008 Dilution Factor _____

32 Leachant Replacement Date and Time(d:hr:min) 12/21/99 10:00
Initial pH of Leachant 6.597 Final pH of Leachate 10.209
Cation Analysis No. T33-008 Dilution Factor _____

33 Leachant Replacement Date and Time(d:hr:min) 12/28/99 11:15
Initial pH of Leachant 5.882 Final pH of Leachate 10.192
Cation Analysis No. T34-008 Dilution Factor _____

34 Leachant Replacement Date and Time(d:hr:min) 1/4/00 10:30
Initial pH of Leachant 5.802 Final pH of Leachate 10.163
Cation Analysis No. T35-008 Dilution Factor _____

35 Leachant Replacement Date and Time(d:hr:min) 1/11/00 10:30
Initial pH of Leachant 5.705 Final pH of Leachate 10.198
Cation Analysis No. T36-008 Dilution Factor _____

36 Leachant Replacement Date and Time(d:hr:min) 1/18/00 10:30
Initial pH of Leachant 5.795 Final pH of Leachate 10.191
Cation Analysis No. T37-008 Dilution Factor _____

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1/20/00

008

37 Leachant Replacement Date and Time(d:hr:min) 1/25/00 10:45
Initial pH of Leachant 5.758 Final pH of Leachate 10.124
Cation Analysis No. T38-008 Dilution Factor _____

38 Leachant Replacement Date and Time(d:hr:min) 2/2/00 3pm
Initial pH of Leachant 5.856 Final pH of Leachate 10.183
Cation Analysis No. T39-008 Dilution Factor _____

39 Leachant Replacement Date and Time(d:hr:min) 2/15/00 10:30
Initial pH of Leachant 5.488 Final pH of Leachate 10.195
Cation Analysis No. T40-008 Dilution Factor _____

40 Leachant Replacement Date and Time(d:hr:min) 2/27/00 2:30pm
Initial pH of Leachant 5.310 Final pH of Leachate 10.027
Cation Analysis No. T41-008 Dilution Factor _____

41 Leachant Replacement Date and Time(d:hr:min) 3/14/00 11:00am
Initial pH of Leachant 6.730 Final pH of Leachate 10.210
Cation Analysis No. T42-008 Dilution Factor _____

42 Leachant Replacement Date and Time(d:hr:min) 3/28/00 10:00am
Initial pH of Leachant 4.652 Final pH of Leachate 10.127
Cation Analysis No. T43-008 Dilution Factor _____

43 Leachant Replacement Date and Time(d:hr:min) 4/11/00 2:00
Initial pH of Leachant 6.097 Final pH of Leachate 9.926
Cation Analysis No. T44-008 Dilution Factor _____

44 Leachant Replacement Date and Time(d:hr:min) 4/25/00 2:00
Initial pH of Leachant 5.870 Final pH of Leachate 10.077
Cation Analysis No. T45-008 Dilution Factor _____

45 Leachant Replacement Date and Time(d:hr:min) 5-9-00 10:30
Initial pH of Leachant 6.077 Final pH of Leachate 8.857
Cation Analysis No. T46-008 Dilution Factor _____

46 Leachant Replacement Date and Time(d:hr:min) 5/23/00 2:00pm
Initial pH of Leachant 5.887 Final pH of Leachate 9.713
Cation Analysis No. T47-008 Dilution Factor _____

47 Leachant Replacement Date and Time(d:hr:min) 6/6/00 10:30
Initial pH of Leachant 5.895 Final pH of Leachate 10.154
Cation Analysis No. T48-008 Dilution Factor _____

48 Leachant Replacement Date and Time(d:hr:min) 6/20/00 1:00pm
Initial pH of Leachant 5.910 Final pH of Leachate 8.851
Cation Analysis No. T49-008 Dilution Factor _____

49 Leachant Replacement Date and Time(d:hr:min) 7/4/00 8:30
Initial pH of Leachant 6.011 Final pH of Leachate 10.124
Cation Analysis No. T50-008 Dilution Factor _____

50 Leachant Replacement Date and Time(d:hr:min) 7/18/00 10:30
Initial pH of Leachant 6.052 Final pH of Leachate 10.088
Cation Analysis No. T51-008 Dilution Factor _____

W. Pa
8/11/00

LONG-TERM TEST DATA SHEET

Test ID WVNSW-T1Vessel ID No. 009Batch Cleaning No. 7-21-99Glass Sample ID WVNSSample Weight (g) 2.99937Sample Preparation Date 7-26-99Type of Solution DI H₂OLeachant Volume (ml) 30Initial pH of Leachant 5.784Weight of Empty Vessel (g) 126.18485Weight of Vessel + Sample (g) 129.183702nd Weight of Sample (Difference of the last two items) (g) 2.99885Total Weight of Vessel + Sample + Solution (g) 158.77560Test Temperature 90°CDate and Time Test Started (d:hr:min) 7/27/99; 10:20Final pH of Leachate 10.462Cation Analysis No. T1-009

Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 7/30/99; 9:50Initial pH of Leachant 5.768Cation Analysis No. T2-009Final pH of Leachate 10.481

Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 8/3/99; 9:15Initial pH of Leachant 5.904Cation Analysis No. T3-009Final pH of Leachate 10.48

Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 8/6/99; 10:05Initial pH of Leachant 5.913Cation Analysis No. T4-009Final pH of Leachate 10.312

Dilution Factor _____

4 Leachant Replacement Date and Time(d:hr:min) 8/10/99; 10:25Initial pH of Leachant 5.906Cation Analysis No. T5-010 009 MBFinal pH of Leachate 10.030

Dilution Factor _____

5 Leachant Replacement Date and Time(d:hr:min) 8/13/99; 10:15Initial pH of Leachant 6.258Cation Analysis No. T6-009Final pH of Leachate 10.088

Dilution Factor _____

6 Leachant Replacement Date and Time(d:hr:min) 8/17/99; 10:12Initial pH of Leachant 5.914Cation Analysis No. T7-009Final pH of Leachate 10.019

Dilution Factor _____

7 Leachant Replacement Date and Time(d:hr:min) 8/20/99; 8:50Initial pH of Leachant 5.919Cation Analysis No. T8-009Final pH of Leachate 10.042

Dilution Factor _____

8 Leachant Replacement Date and Time(d:hr:min) 8/24/99; 9:00Initial pH of Leachant 5.581Cation Analysis No. T9-009Final pH of Leachate 10.016

Dilution Factor _____

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8/24/99

009

9 Leachant Replacement Date and Time(d:hr:min) 8/27/99; 8:45Initial pH of Leachant 5.658Cation Analysis No. T10-009Final pH of Leachate 10.017

Dilution Factor _____

10 Leachant Replacement Date and Time(d:hr:min) 8/31/99; 9:30Initial pH of Leachant 5.402Cation Analysis No. T11-009Final pH of Leachate 10.008

Dilution Factor _____

11 Leachant Replacement Date and Time(d:hr:min) 9/3/99; 9:30Initial pH of Leachant 6.123Cation Analysis No. T12-009Final pH of Leachate 9.994

Dilution Factor _____

12 Leachant Replacement Date and Time(d:hr:min) 9/7/99; 9:00Initial pH of Leachant 5.777Cation Analysis No. T13-009Final pH of Leachate 9.931

Dilution Factor _____

13 Leachant Replacement Date and Time(d:hr:min) 9/10/99; 10:00Initial pH of Leachant 6.275Cation Analysis No. T14-009Final pH of Leachate 9.909

Dilution Factor _____

14 Leachant Replacement Date and Time(d:hr:min) 9/14/99; 9:15Initial pH of Leachant 5.764Cation Analysis No. T15-009Final pH of Leachate 9.934

Dilution Factor _____

15 Leachant Replacement Date and Time(d:hr:min) 9/17/99; 9:00Initial pH of Leachant 5.912Cation Analysis No. T16-009Final pH of Leachate 9.870

Dilution Factor _____

16 Leachant Replacement Date and Time(d:hr:min) 9/21/99; 10:00Initial pH of Leachant 5.703Cation Analysis No. T17-009Final pH of Leachate 9.339

Dilution Factor _____

17 Leachant Replacement Date and Time(d:hr:min) 9/24/99; 10:30Initial pH of Leachant 5.400Cation Analysis No. T18-009Final pH of Leachate 9.877

Dilution Factor _____

18 Leachant Replacement Date and Time(d:hr:min) 9/24/99; 9:30Initial pH of Leachant 5.310Cation Analysis No. T19-009Final pH of Leachate 9.748

Dilution Factor _____

19 Leachant Replacement Date and Time(d:hr:min) 10/1/99; 9:30Initial pH of Leachant 5.878Cation Analysis No. T20-009Final pH of Leachate 9.703

Dilution Factor _____

20 Leachant Replacement Date and Time(d:hr:min) 10/5/99; 9:30Initial pH of Leachant 5.501Cation Analysis No. T21-009Final pH of Leachate 9.442

Dilution Factor _____

21 Leachant Replacement Date and Time(d:hr:min) 10/8/99; 9:30Initial pH of Leachant 5.400Cation Analysis No. T22-009Final pH of Leachate 9.645

Dilution Factor _____

22 Leachant Replacement Date and Time(d:hr:min) 10/12/99; 9:45Initial pH of Leachant 5.623Cation Analysis No. T23-009Final pH of Leachate 9.632

Dilution Factor _____

JP
12/14/99

009

23 Leachant Replacement Date and Time(d:hr:min) 10/15/99 9:45
Initial pH of Leachant 5.539 Final pH of Leachate 9.506
Cation Analysis No. T24-009 Dilution Factor _____

24 Leachant Replacement Date and Time(d:hr:min) 10/26/99 10:00
Initial pH of Leachant 5.440 Final pH of Leachate 9.589
Cation Analysis No. T25-009 Dilution Factor _____

25 Leachant Replacement Date and Time(d:hr:min) 11/2/99 9:55
Initial pH of Leachant 5.335 Final pH of Leachate 9.884
Cation Analysis No. T26-009 Dilution Factor _____

26 Leachant Replacement Date and Time(d:hr:min) 11/9/99 9:30
Initial pH of Leachant 5.624 Final pH of Leachate 9.695
Cation Analysis No. T27-009 Dilution Factor _____

27 Leachant Replacement Date and Time(d:hr:min) 11/16/99 1:00
Initial pH of Leachant 5.325 Final pH of Leachate 9.939
Cation Analysis No. T28-009 Dilution Factor _____

28 Leachant Replacement Date and Time(d:hr:min) 11/23/99 10:30
Initial pH of Leachant 5.967 Final pH of Leachate 9.955
Cation Analysis No. T29-009 Dilution Factor _____

29 Leachant Replacement Date and Time(d:hr:min) 11/30/99 10:00
Initial pH of Leachant 5.400 Final pH of Leachate 9.881
Cation Analysis No. T30-009 Dilution Factor _____

30 Leachant Replacement Date and Time(d:hr:min) 12/7/99 11:15
Initial pH of Leachant 5.490 Final pH of Leachate 9.641
Cation Analysis No. T31-009 Dilution Factor _____

31 Leachant Replacement Date and Time(d:hr:min) 12/14/99 10:00
Initial pH of Leachant 5.846 Final pH of Leachate 9.715
Cation Analysis No. T32-009 Dilution Factor _____

32 Leachant Replacement Date and Time(d:hr:min) 12/21/99 10:00
Initial pH of Leachant 6.597 Final pH of Leachate 9.901
Cation Analysis No. T33-009 Dilution Factor _____

33 Leachant Replacement Date and Time(d:hr:min) 12/28/99 11:15
Initial pH of Leachant 5.882 Final pH of Leachate 9.883
Cation Analysis No. T34-009 Dilution Factor _____

34 Leachant Replacement Date and Time(d:hr:min) 1/4/00 10:30
Initial pH of Leachant 5.803 Final pH of Leachate 9.803
Cation Analysis No. T35-009 Dilution Factor _____

35 Leachant Replacement Date and Time(d:hr:min) 1/11/00 10:30
Initial pH of Leachant 5.705 Final pH of Leachate 9.876
Cation Analysis No. T36-009 Dilution Factor _____

36 Leachant Replacement Date and Time(d:hr:min) 1/18/00 10:50
Initial pH of Leachant 5.795 Final pH of Leachate 9.832
Cation Analysis No. T37-009 Dilution Factor _____

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009

37 Leachant Replacement Date and Time(d:hr:min) 1/25/00 10:45
Initial pH of Leachant 5.752 Final pH of Leachate 9.789
Cation Analysis No. T38-009 Dilution Factor _____

38 Leachant Replacement Date and Time(d:hr:min) 2/2/00 3pm
Initial pH of Leachant 5.756 Final pH of Leachate 9.709
Cation Analysis No. T39-009 Dilution Factor _____

39 Leachant Replacement Date and Time(d:hr:min) 2/15/00 10:30
Initial pH of Leachant 5.488 Final pH of Leachate 9.945
Cation Analysis No. T40-009 Dilution Factor _____

40 Leachant Replacement Date and Time(d:hr:min) 2/29/00 2:30pm
Initial pH of Leachant 5.310 Final pH of Leachate 9.645
Cation Analysis No. T41-009 Dilution Factor _____

41 Leachant Replacement Date and Time(d:hr:min) 3/14/00 11:00am
Initial pH of Leachant 5.730 Final pH of Leachate 9.918
Cation Analysis No. T42-009 Dilution Factor _____

42 Leachant Replacement Date and Time(d:hr:min) 3/28/00 10:00am
Initial pH of Leachant 4.652 Final pH of Leachate 9.166
Cation Analysis No. T43-009 Dilution Factor _____

43 Leachant Replacement Date and Time(d:hr:min) 4/1/00 2:00
Initial pH of Leachant 6.092 Final pH of Leachate 9.844
Cation Analysis No. T44-009 Dilution Factor _____

44 Leachant Replacement Date and Time(d:hr:min) 4/25/00 2:00
Initial pH of Leachant 5.870 Final pH of Leachate 10.010
Cation Analysis No. T45-009 Dilution Factor _____

45 Leachant Replacement Date and Time(d:hr:min) 5-9-00 10:30
Initial pH of Leachant 6.077 Final pH of Leachate 9.942
Cation Analysis No. T46-009 Dilution Factor _____

46 Leachant Replacement Date and Time(d:hr:min) 5/23/00 2:00pm
Initial pH of Leachant 5.887 Final pH of Leachate 9.807
Cation Analysis No. T47-009 Dilution Factor _____

47 Leachant Replacement Date and Time(d:hr:min) 6/6/00 10:30
Initial pH of Leachant 5.895 Final pH of Leachate 10.048
Cation Analysis No. T48-009 Dilution Factor _____

48 Leachant Replacement Date and Time(d:hr:min) 6/20/00 1:00pm
Initial pH of Leachant 5.910 Final pH of Leachate 9.033
Cation Analysis No. T49-009 Dilution Factor _____

49 Leachant Replacement Date and Time(d:hr:min) 7/5/00 8:30
Initial pH of Leachant 6.011 Final pH of Leachate 10.042
Cation Analysis No. T50-009 Dilution Factor _____

50 Leachant Replacement Date and Time(d:hr:min) 7/18/00 10:30
Initial pH of Leachant 6.052 Final pH of Leachate 9.890
Cation Analysis No. T51-009 Dilution Factor _____

YD Pa
8/11/00

LONG-TERM TEST DATA SHEET

Test ID WVNSW-T2Vessel ID No. 010Batch Cleaning No. 7-21-99Glass Sample ID WVNSSample Weight (g) 3.00116Sample Preparation Date 7-26-99Type of Solution D1 H₂OLeachant Volume (ml) 30Initial pH of Leachant 5.784Weight of Empty Vessel (g) 126.22270Weight of Vessel + Sample (g) 129.258002nd Weight of Sample (Difference of the last two items) (g) 3.03530Total Weight of Vessel + Sample + Solution (g) 158.77895Test Temperature 90°CDate and Time Test Started (d:hr:min) 7/27/99; 10:20Final pH of Leachate 10.404Cation Analysis No. T1-010

Dilution Factor

1 Leachant Replacement Date and Time(d:hr:min) 7/30/99; 9:50Initial pH of Leachant 5.768Cation Analysis No. T2-010Final pH of Leachate 10.485

Dilution Factor

2 Leachant Replacement Date and Time(d:hr:min) 8/3/99; 9:15Initial pH of Leachant 5.904Cation Analysis No. T3-010Final pH of Leachate 10.171

Dilution Factor

3 Leachant Replacement Date and Time(d:hr:min) 8/6/99; 10:05Initial pH of Leachant 5.913Cation Analysis No. T4-010Final pH of Leachate 10.098

Dilution Factor

4 Leachant Replacement Date and Time(d:hr:min) 8/10/99; 10:25Initial pH of Leachant 5.906Cation Analysis No. T5-010Final pH of Leachate 10.022

Dilution Factor

5 Leachant Replacement Date and Time(d:hr:min) 8/13/99; 10:15Initial pH of Leachant 6.258Cation Analysis No. T6-010Final pH of Leachate 10.065

Dilution Factor

6 Leachant Replacement Date and Time(d:hr:min) 8/17/99; 10:12Initial pH of Leachant 5.914Cation Analysis No. T7-010Final pH of Leachate 10.049

Dilution Factor

7 Leachant Replacement Date and Time(d:hr:min) 8/20/99; 8:50Initial pH of Leachant 5.919Cation Analysis No. T8-010Final pH of Leachate 10.056

Dilution Factor

8 Leachant Replacement Date and Time(d:hr:min) 8/24/99; 9:00Initial pH of Leachant 5.581Cation Analysis No. T9-010Final pH of Leachate 10.033

Dilution Factor

JP
8/26/99

010

9 Leachant Replacement Date and Time(d:hr:min) 8/27/99; 8:45Initial pH of Leachant 5.658Cation Analysis No. T10-010

Final pH of Leachate

10.023

Dilution Factor

10 Leachant Replacement Date and Time(d:hr:min) 8/31/99; 9:30Initial pH of Leachant 5.402Cation Analysis No. T11-010

Final pH of Leachate

10.013

Dilution Factor

11 Leachant Replacement Date and Time(d:hr:min) 9/3/99; 9:30Initial pH of Leachant 6.123Cation Analysis No. T12-010

Final pH of Leachate

9.988

Dilution Factor

12 Leachant Replacement Date and Time(d:hr:min) 9/7/99; 9:00Initial pH of Leachant 5.777Cation Analysis No. T13-010

Final pH of Leachate

9.905

Dilution Factor

13 Leachant Replacement Date and Time(d:hr:min) 9/10/99; 10:00Initial pH of Leachant 6.275Cation Analysis No. T14-010

Final pH of Leachate

9.911

Dilution Factor

14 Leachant Replacement Date and Time(d:hr:min) 9/14/99; 9:15Initial pH of Leachant 5.764Cation Analysis No. T15-010

Final pH of Leachate

9.940

Dilution Factor

15 Leachant Replacement Date and Time(d:hr:min) 9/17/99; 9:00Initial pH of Leachant 5.912Cation Analysis No. T16-010

Final pH of Leachate

9.837

Dilution Factor

16 Leachant Replacement Date and Time(d:hr:min) 9/21/99; 10:00Initial pH of Leachant 5.703Cation Analysis No. T17-010

Final pH of Leachate

9.252

Dilution Factor

17 Leachant Replacement Date and Time(d:hr:min) 9/24/99; 10:30Initial pH of Leachant 5.400Cation Analysis No. T18-010

Final pH of Leachate

9.882

Dilution Factor

18 Leachant Replacement Date and Time(d:hr:min) 9/28/99; 9:30Initial pH of Leachant 5.310Cation Analysis No. T19-010

Final pH of Leachate

9.750

Dilution Factor

19 Leachant Replacement Date and Time(d:hr:min) 10/1/99; 9:30Initial pH of Leachant 5.878Cation Analysis No. T20-010

Final pH of Leachate

9.707

Dilution Factor

20 Leachant Replacement Date and Time(d:hr:min) 10/5/99; 9:30Initial pH of Leachant 5.501Cation Analysis No. T21-010

Final pH of Leachate

9.580

Dilution Factor

21 Leachant Replacement Date and Time(d:hr:min) 10/9/99; 9:30Initial pH of Leachant 5.400Cation Analysis No. T22-010

Final pH of Leachate

9.651

Dilution Factor

22 Leachant Replacement Date and Time(d:hr:min) 10/24/99; 9:45Initial pH of Leachant 5.623Cation Analysis No. T23-010

Final pH of Leachate

9.475

Dilution Factor

JP
10/14/99

010

23 Leachant Replacement Date and Time(d:hr:min) 10/15/99 9:45
Initial pH of Leachant 5.539 Final pH of Leachate 9.755
Cation Analysis No. T24-010 Dilution Factor _____

24 Leachant Replacement Date and Time(d:hr:min) 10/26/99 10:00
Initial pH of Leachant 5.440 Final pH of Leachate 9.648
Cation Analysis No. T25-010 Dilution Factor _____

25 Leachant Replacement Date and Time(d:hr:min) 11/2/99 9:55
Initial pH of Leachant 5.335 Final pH of Leachate 9.879
Cation Analysis No. T26-010 Dilution Factor _____

26 Leachant Replacement Date and Time(d:hr:min) 11/9/99 9:30
Initial pH of Leachant 5.624 Final pH of Leachate 9.895
Cation Analysis No. T27-010 Dilution Factor _____

27 Leachant Replacement Date and Time(d:hr:min) 11/16/99 1:00
Initial pH of Leachant 5.325 Final pH of Leachate 9.964
Cation Analysis No. T28-010 Dilution Factor _____

28 Leachant Replacement Date and Time(d:hr:min) 11/23/99 10:30
Initial pH of Leachant 5.967 Final pH of Leachate 9.948
Cation Analysis No. T29-010 Dilution Factor _____

29 Leachant Replacement Date and Time(d:hr:min) 11/30/99 10:00
Initial pH of Leachant 5.400 Final pH of Leachate 9.868
Cation Analysis No. T30-010 Dilution Factor _____

30 Leachant Replacement Date and Time(d:hr:min) 12/7/99 11:15
Initial pH of Leachant 5.490 Final pH of Leachate 9.166
Cation Analysis No. T31-010 Dilution Factor _____

31 Leachant Replacement Date and Time(d:hr:min) 12/14/99 10:00
Initial pH of Leachant 5.846 Final pH of Leachate 9.811
Cation Analysis No. T32-010 Dilution Factor _____

32 Leachant Replacement Date and Time(d:hr:min) 12/21/99 10:00
Initial pH of Leachant 6.597 Final pH of Leachate 9.859
Cation Analysis No. T33-010 Dilution Factor _____

33 Leachant Replacement Date and Time(d:hr:min) 12/28/99 11:15
Initial pH of Leachant 5.882 Final pH of Leachate 9.888
Cation Analysis No. T34-010 Dilution Factor _____

34 Leachant Replacement Date and Time(d:hr:min) 1/4/00 10:30
Initial pH of Leachant 5.802 Final pH of Leachate 9.851
Cation Analysis No. T35-010 Dilution Factor _____

35 Leachant Replacement Date and Time(d:hr:min) 1/11/00 10:30
Initial pH of Leachant 5.705 Final pH of Leachate 9.883
Cation Analysis No. T36-010 Dilution Factor _____

36 Leachant Replacement Date and Time(d:hr:min) 1/18/00 10:50
Initial pH of Leachant 5.795 Final pH of Leachate 9.822
Cation Analysis No. T37-010 Dilution Factor _____

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1/20/00

010

37 Leachant Replacement Date and Time(d:hr:min) 1/25/00 10:45
Initial pH of Leachant 5.752 Final pH of Leachate 9.087
Cation Analysis No. T38-010 Dilution Factor _____

38 Leachant Replacement Date and Time(d:hr:min) 2/2/00 3pm
Initial pH of Leachant 5.856 Final pH of Leachate 9.812
Cation Analysis No. T39-010 Dilution Factor _____

39 Leachant Replacement Date and Time(d:hr:min) 2/15/00 10:30
Initial pH of Leachant 5.488 Final pH of Leachate 9.987
Cation Analysis No. T40-010 Dilution Factor _____

40 Leachant Replacement Date and Time(d:hr:min) 2/29/00 2:30pm
Initial pH of Leachant 5.310 Final pH of Leachate 9.909
Cation Analysis No. T41-010 Dilution Factor _____

41 Leachant Replacement Date and Time(d:hr:min) 3/14/00 11:00am
Initial pH of Leachant 5.730 Final pH of Leachate 9.925
Cation Analysis No. T42-010 Dilution Factor _____

42 Leachant Replacement Date and Time(d:hr:min) 3/28/00 10:00am
Initial pH of Leachant 4.652 Final pH of Leachate 9.720
Cation Analysis No. T43-010 Dilution Factor _____

43 Leachant Replacement Date and Time(d:hr:min) 4/18/00 2:00
Initial pH of Leachant 6.097 Final pH of Leachate 9.575
Cation Analysis No. T44-010 Dilution Factor _____

44 Leachant Replacement Date and Time(d:hr:min) 4/25/00 2:00
Initial pH of Leachant 5.870 Final pH of Leachate 10.005
Cation Analysis No. T45-010 Dilution Factor _____

45 Leachant Replacement Date and Time(d:hr:min) 5-9-00 10:30
Initial pH of Leachant 6.077 Final pH of Leachate 9.918
Cation Analysis No. T46-010 Dilution Factor _____

46 Leachant Replacement Date and Time(d:hr:min) 5/23/00 2:30pm
Initial pH of Leachant 5.887 Final pH of Leachate 9.604
Cation Analysis No. T47-010 Dilution Factor _____

47 Leachant Replacement Date and Time(d:hr:min) 6/6/00 10:30
Initial pH of Leachant 5.895 Final pH of Leachate 9.968
Cation Analysis No. T48-010 Dilution Factor _____

48 Leachant Replacement Date and Time(d:hr:min) 6/20/00 1:00pm
Initial pH of Leachant 5.910 Final pH of Leachate 9.420
Cation Analysis No. T49-010 Dilution Factor _____

49 Leachant Replacement Date and Time(d:hr:min) 7/5/00 8:30
Initial pH of Leachant 6.011 Final pH of Leachate 10.103
Cation Analysis No. T50-010 Dilution Factor _____

50 Leachant Replacement Date and Time(d:hr:min) 7/18/00 10:30
Initial pH of Leachant 6.052 Final pH of Leachate 8.910
Cation Analysis No. T51-010 Dilution Factor _____

gjo Pan
8/11/00

LONG-TERM TEST DATA SHEET

Test ID WVNSW-T3Vessel ID No. 011Batch Cleaning No. 7-21-99Glass Sample ID WVNSSample Weight (g) 3.00036Sample Preparation Date 7-26-99Type of Solution DI H₂OLeachant Volume (ml) 30Initial pH of Leachant 5.784Weight of Empty Vessel (g) 128.10750Weight of Vessel + Sample (g) 131.108552nd Weight of Sample (Difference of the last two items) (g) 3.00105Total Weight of Vessel + Sample + Solution (g) 160.18280Test Temperature 90°CDate and Time Test Started (d:hr:min) 7/27/99; 10:20Final pH of Leachate 10.420Cation Analysis No. T1-011

Dilution Factor

1 Leachant Replacement Date and Time(d:hr:min) 7/30/99; 9:50Initial pH of Leachant 5.768Cation Analysis No. T2-011Final pH of Leachate 10.493

Dilution Factor

2 Leachant Replacement Date and Time(d:hr:min) 8/3/99; 9:15Initial pH of Leachant 5.904Cation Analysis No. T3-001Final pH of Leachate 10.184

Dilution Factor

3 Leachant Replacement Date and Time(d:hr:min) 8/6/99; 10:05Initial pH of Leachant 5.913Cation Analysis No. T4-011Final pH of Leachate 10.113

Dilution Factor

4 Leachant Replacement Date and Time(d:hr:min) 8/19/99; 10:25Initial pH of Leachant 5.906Cation Analysis No. ~~T5-001~~ TS-011Final pH of Leachate 10.052

Dilution Factor

5 Leachant Replacement Date and Time(d:hr:min) 8/13/99; 10:15Initial pH of Leachant 6.258Cation Analysis No. T6-011Final pH of Leachate 10.088

Dilution Factor

6 Leachant Replacement Date and Time(d:hr:min) 8/17/99; 10:12Initial pH of Leachant 5.914Cation Analysis No. T7-011Final pH of Leachate 10.038

Dilution Factor

7 Leachant Replacement Date and Time(d:hr:min) 8/20/99; 8:50Initial pH of Leachant 5.919Cation Analysis No. T8-011Final pH of Leachate 10.045

Dilution Factor

8 Leachant Replacement Date and Time(d:hr:min) 8/24/99; 9:00Initial pH of Leachant 5.581Cation Analysis No. T9-011Final pH of Leachate 10.026

Dilution Factor

30 Pa
8/26/99

011

9 Leachant Replacement Date and Time(d:hr:min) 8/27/99; 8:45Initial pH of Leachant 5.658Cation Analysis No. T10-011Final pH of Leachate 9.979

Dilution Factor

10 Leachant Replacement Date and Time(d:hr:min) 8/31/99; 9:30Initial pH of Leachant 5.402Cation Analysis No. T11-011Final pH of Leachate 10.012

Dilution Factor

11 Leachant Replacement Date and Time(d:hr:min) 9/3/99; 9:30Initial pH of Leachant 6.123Cation Analysis No. T12-011Final pH of Leachate 9.967

Dilution Factor

12 Leachant Replacement Date and Time(d:hr:min) 9/7/99; 9:00Initial pH of Leachant 5.777Cation Analysis No. T13-011Final pH of Leachate 9.917

Dilution Factor

13 Leachant Replacement Date and Time(d:hr:min) 9/10/99; 10:00Initial pH of Leachant 6.275Cation Analysis No. T14-011Final pH of Leachate 9.887

Dilution Factor

14 Leachant Replacement Date and Time(d:hr:min) 9/14/99; 9:15Initial pH of Leachant 5.764Cation Analysis No. T15-011Final pH of Leachate 9.946

Dilution Factor

15 Leachant Replacement Date and Time(d:hr:min) 9/17/99; 9:00Initial pH of Leachant 5.912Cation Analysis No. T16-011Final pH of Leachate 9.897

Dilution Factor

16 Leachant Replacement Date and Time(d:hr:min) 9/21/99; 10:00Initial pH of Leachant 5.703Cation Analysis No. T17-011Final pH of Leachate 9.197

Dilution Factor

17 Leachant Replacement Date and Time(d:hr:min) 9/24/99; 10:30Initial pH of Leachant 5.400Cation Analysis No. T18-011Final pH of Leachate 9.888

Dilution Factor

18 Leachant Replacement Date and Time(d:hr:min) 9/28/99; 9:30Initial pH of Leachant 5.310Cation Analysis No. T19-011Final pH of Leachate 9.764

Dilution Factor

19 Leachant Replacement Date and Time(d:hr:min) 10/1/99; 9:30Initial pH of Leachant 5.878Cation Analysis No. T20-011Final pH of Leachate 9.174

Dilution Factor

20 Leachant Replacement Date and Time(d:hr:min) 10/5/99; 9:30Initial pH of Leachant 5.501Cation Analysis No. T21-011Final pH of Leachate 8.322

Dilution Factor

21 Leachant Replacement Date and Time(d:hr:min) 10/8/99; 9:30Initial pH of Leachant 5.400Cation Analysis No. T22-011Final pH of Leachate 9.693

Dilution Factor

22 Leachant Replacement Date and Time(d:hr:min) 10/12/99; 9:45Initial pH of Leachant 5.623Cation Analysis No. T23-011Final pH of Leachate 9.770

Dilution Factor

30 Pa
10/14/99

011

23 Leachant Replacement Date and Time(d:hr:min) 10/15/99 9:45
Initial pH of Leachant 5.539 Final pH of Leachate 9.701
Cation Analysis No. T24-011 Dilution Factor _____

24 Leachant Replacement Date and Time(d:hr:min) 10/26/99 10:00
Initial pH of Leachant 5.440 Final pH of Leachate 9.734
Cation Analysis No. T25-011 Dilution Factor _____

25 Leachant Replacement Date and Time(d:hr:min) 11/2/99 9:55
Initial pH of Leachant 5.335 Final pH of Leachate 9.881
Cation Analysis No. T26-011 Dilution Factor _____

26 Leachant Replacement Date and Time(d:hr:min) 11/9/99 9:30
Initial pH of Leachant 5.624 Final pH of Leachate 9.886
Cation Analysis No. T27-011 Dilution Factor _____

27 Leachant Replacement Date and Time(d:hr:min) 11/16/99 1:00
Initial pH of Leachant 5.325 Final pH of Leachate 9.943
Cation Analysis No. T28-011 Dilution Factor _____

28 Leachant Replacement Date and Time(d:hr:min) 11/23/99 10:30
Initial pH of Leachant 5.967 Final pH of Leachate 9.951
Cation Analysis No. T29-011 Dilution Factor _____

29 Leachant Replacement Date and Time(d:hr:min) 11/30/99 10:00
Initial pH of Leachant 5.400 Final pH of Leachate 9.789
Cation Analysis No. T30-011 Dilution Factor _____

30 Leachant Replacement Date and Time(d:hr:min) 12/7/99 11:15
Initial pH of Leachant 5.490 Final pH of Leachate 9.523
Cation Analysis No. T31-011 Dilution Factor _____

31 Leachant Replacement Date and Time(d:hr:min) 12/14/99 10:00
Initial pH of Leachant 5.846 Final pH of Leachate 9.828
Cation Analysis No. T32-011 Dilution Factor _____

32 Leachant Replacement Date and Time(d:hr:min) 12/21/99 10:00
Initial pH of Leachant 6.597 Final pH of Leachate 9.874
Cation Analysis No. T33-011 Dilution Factor _____

33 Leachant Replacement Date and Time(d:hr:min) 12/28/99 11:15
Initial pH of Leachant 5.882 Final pH of Leachate 9.868
Cation Analysis No. T34-011 Dilution Factor _____

34 Leachant Replacement Date and Time(d:hr:min) 1/4/00 10:30
Initial pH of Leachant 5.802 Final pH of Leachate 9.843
Cation Analysis No. T35-011 Dilution Factor _____

35 Leachant Replacement Date and Time(d:hr:min) 1/11/00 10:30
Initial pH of Leachant 5.705 Final pH of Leachate 9.462
Cation Analysis No. T36-011 Dilution Factor _____

36 Leachant Replacement Date and Time(d:hr:min) 1/18/00 10:50
Initial pH of Leachant 5.795 Final pH of Leachate 9.765
Cation Analysis No. T37-011 Dilution Factor _____

gig Pan
1/20/00

011

37 Leachant Replacement Date and Time(d:hr:min) 1/25/00 10:45
Initial pH of Leachant 5.752 Final pH of Leachate 9.651
Cation Analysis No. T38-011 Dilution Factor _____

38 Leachant Replacement Date and Time(d:hr:min) 2/2/00 3pm
Initial pH of Leachant 5.856 Final pH of Leachate 9.851
Cation Analysis No. T39-011 Dilution Factor _____

39 Leachant Replacement Date and Time(d:hr:min) 2/15/00 10:30
Initial pH of Leachant 5.488 Final pH of Leachate 9.771
Cation Analysis No. T40-011 Dilution Factor _____

40 Leachant Replacement Date and Time(d:hr:min) 2/29/00 2:30pm
Initial pH of Leachant 5.310 Final pH of Leachate 9.912
Cation Analysis No. T41-011 Dilution Factor _____

41 Leachant Replacement Date and Time(d:hr:min) 3/14/00 11:00am
Initial pH of Leachant 5.730 Final pH of Leachate 9.951
Cation Analysis No. T42-011 Dilution Factor _____

42 Leachant Replacement Date and Time(d:hr:min) 3/28/00 10:00am
Initial pH of Leachant 4.652 Final pH of Leachate 9.357
Cation Analysis No. T43-011 Dilution Factor _____

43 Leachant Replacement Date and Time(d:hr:min) 4/11/00 2:00
Initial pH of Leachant 6.097 Final pH of Leachate 9.893
Cation Analysis No. T44-011 Dilution Factor _____

44 Leachant Replacement Date and Time(d:hr:min) 4/25/00 2:00
Initial pH of Leachant 5.870 Final pH of Leachate 9.885
Cation Analysis No. T45-011 Dilution Factor _____

45 Leachant Replacement Date and Time(d:hr:min) 5-9-00 10:30
Initial pH of Leachant 6.077 Final pH of Leachate 8.587
Cation Analysis No. T46-011 Dilution Factor _____

46 Leachant Replacement Date and Time(d:hr:min) 5/23/00 2:00pm
Initial pH of Leachant 5.887 Final pH of Leachate 9.891
Cation Analysis No. T47-011 Dilution Factor _____

47 Leachant Replacement Date and Time(d:hr:min) 6/6/00 10:30
Initial pH of Leachant 5.895 Final pH of Leachate 10.089
Cation Analysis No. T48-011 Dilution Factor _____

48 Leachant Replacement Date and Time(d:hr:min) 6/20/00 1:00pm
Initial pH of Leachant 5.910 Final pH of Leachate 9.900
Cation Analysis No. T49-011 Dilution Factor _____

49 Leachant Replacement Date and Time(d:hr:min) 7/5/00 8:30
Initial pH of Leachant 6.011 Final pH of Leachate 9.957
Cation Analysis No. T50-011 Dilution Factor _____

50 Leachant Replacement Date and Time(d:hr:min) 7/18/00 10:30
Initial pH of Leachant 6.052 Final pH of Leachate 9.094
Cation Analysis No. T51-011 Dilution Factor _____

gig Pan
8/11/00

LONG-TERM TEST DATA SHEET

Test ID SRSHF2-T1Vessel ID No. 012Batch Cleaning No. 7-21-99Glass Sample ID SRSSample Weight (g) 2.99963Sample Preparation Date 7-29-99Type of Solution 0.25 M FeCl₂Leachant Volume (ml) 30Initial pH of Leachant 2.473Weight of Empty Vessel (g) 128.33200Weight of Vessel + Sample (g) 131.329052nd Weight of Sample (Difference of the last two items) (g) 2.99705Total Weight of Vessel + Sample + Solution (g) 161.98705Test Temperature 90°CDate and Time Test Started (d:hr:min) 7/29/99 ; 2:00 PMFinal pH of Leachate 3.095Cation Analysis No. T1-012

Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 8/2/99 ; 10:40Initial pH of Leachant 2.469Final pH of Leachate 2.751Cation Analysis No. T2-012

Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 8/5/99 ; 9:10Initial pH of Leachant 2.420Final pH of Leachate 2.661Cation Analysis No. T3-012

Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 8/9/99 ; 9:30Initial pH of Leachant 2.207Final pH of Leachate 2.476Cation Analysis No. T4-012

Dilution Factor _____

4 Leachant Replacement Date and Time(d:hr:min) 8/12/99 ; 10:00Initial pH of Leachant 2.160Final pH of Leachate 2.499Cation Analysis No. T5-012

Dilution Factor _____

5 Leachant Replacement Date and Time(d:hr:min) 8/16/99 ; 9:55Initial pH of Leachant 2.304Final pH of Leachate 2.238Cation Analysis No. T6-012

Dilution Factor _____

6 Leachant Replacement Date and Time(d:hr:min) 8/19/99 ; 9:40Initial pH of Leachant 2.274Final pH of Leachate 2.123Cation Analysis No. T7-012

Dilution Factor _____

7 Leachant Replacement Date and Time(d:hr:min) 8/23/99 ; 9:30Initial pH of Leachant 2.176Final pH of Leachate 1.989Cation Analysis No. T8-012

Dilution Factor _____

8 Leachant Replacement Date and Time(d:hr:min) 8/26/99 ; 8:50Initial pH of Leachant 2.180Final pH of Leachate 1.800Cation Analysis No. T9-012

Dilution Factor _____

28 Pa
8/26/99

New Soln.
8/30/99

0/2

9 Leachant Replacement Date and Time(d:hr:min) 8/30/99 ; 9:50Initial pH of Leachant 2.909Final pH of Leachate 2.042Cation Analysis No. T10-012

Dilution Factor _____

10 Leachant Replacement Date and Time(d:hr:min) 9/2/99 ; 9:30Initial pH of Leachant 2.615Final pH of Leachate 1.672Cation Analysis No. T11-012

Dilution Factor _____

11 Leachant Replacement Date and Time(d:hr:min) 9/6/99 ; 12:55Initial pH of Leachant 2.535Final pH of Leachate 1.595Cation Analysis No. T12-012

Dilution Factor _____

12 Leachant Replacement Date and Time(d:hr:min) 9/9/99 ; 9:15Initial pH of Leachant 2.473Final pH of Leachate 1.500Cation Analysis No. T13-012

Dilution Factor _____

13 Leachant Replacement Date and Time(d:hr:min) 9/13/99 ; 8:45Initial pH of Leachant 2.371Final pH of Leachate 1.531Cation Analysis No. T14-012

Dilution Factor _____

14 Leachant Replacement Date and Time(d:hr:min) 9/16/99 ; 9:00Initial pH of Leachant 2.351Final pH of Leachate 1.495Cation Analysis No. T15-012

Dilution Factor _____

15 Leachant Replacement Date and Time(d:hr:min) 9/20/99 ; 9:00Initial pH of Leachant 2.323Final pH of Leachate 1.370Cation Analysis No. T16-012

Dilution Factor _____

16 Leachant Replacement Date and Time(d:hr:min) 9/23/99 ; 9:00Initial pH of Leachant 2.133Final pH of Leachate 1.385Cation Analysis No. T17-012

Dilution Factor _____

17 Leachant Replacement Date and Time(d:hr:min) 9/27/99 ; 9:20Initial pH of Leachant 2.050Final pH of Leachate 1.365Cation Analysis No. T18-012

Dilution Factor _____

18 Leachant Replacement Date and Time(d:hr:min) 9/30/99 ; 9:45Initial pH of Leachant 2.052Final pH of Leachate 1.325Cation Analysis No. T19-012

Dilution Factor _____

19 Leachant Replacement Date and Time(d:hr:min) 10/4/99 ; 9:00Initial pH of Leachant 2.045Final pH of Leachate 1.469Cation Analysis No. T20-012

Dilution Factor _____

20 Leachant Replacement Date and Time(d:hr:min) 10/8/99 ; 9:30Initial pH of Leachant 2.058Final pH of Leachate 1.444Cation Analysis No. T21-012

Dilution Factor _____

21 Leachant Replacement Date and Time(d:hr:min) 10/12/99 ; 9:45Initial pH of Leachant 2.162Final pH of Leachate 1.454Cation Analysis No. T22-012

Dilution Factor _____

22 Leachant Replacement Date and Time(d:hr:min) 10/15/99 ; 9:45Initial pH of Leachant 2.227Final pH of Leachate 1.435Cation Analysis No. T23-012

Dilution Factor _____

28 Pa
10/15/99

012

23 Leachant Replacement Date and Time(d:hr:min) 10/19/99 9:15
Initial pH of Leachant 2.210 Final pH of Leachate 1.362
Cation Analysis No. T24-012 Dilution Factor _____

24 Leachant Replacement Date and Time(d:hr:min) 10/26/99 10:00
Initial pH of Leachant 2.189 Final pH of Leachate 1.190
Cation Analysis No. T25-012 Dilution Factor _____

25 Leachant Replacement Date and Time(d:hr:min) 11/2/99 9:55
Initial pH of Leachant 2.143 Final pH of Leachate 1.172
Cation Analysis No. T26-012 Dilution Factor _____

26 Leachant Replacement Date and Time(d:hr:min) 11/9/99 9:30
Initial pH of Leachant 2.128 Final pH of Leachate 1.197
Cation Analysis No. T27-012 Dilution Factor _____

27 Leachant Replacement Date and Time(d:hr:min) 11/16/99 1:00
Initial pH of Leachant 2.022 Final pH of Leachate 1.064
Cation Analysis No. T28-012 Dilution Factor _____

28 Leachant Replacement Date and Time(d:hr:min) 11/23/99 10:30
Initial pH of Leachant 2.040 Final pH of Leachate 1.009
Cation Analysis No. T29-012 Dilution Factor _____

29 Leachant Replacement Date and Time(d:hr:min) 11/30/99 10:00
Initial pH of Leachant 1.968 Final pH of Leachate 1.366
Cation Analysis No. T30-012 Dilution Factor _____

30 Leachant Replacement Date and Time(d:hr:min) 12/7/99 11:15
Initial pH of Leachant 2.361 Final pH of Leachate 1.116
Cation Analysis No. T31-012 Dilution Factor _____

31 Leachant Replacement Date and Time(d:hr:min) 12/14/99 10:00
Initial pH of Leachant 2.237 Final pH of Leachate 1.158
Cation Analysis No. T32-012 Dilution Factor _____

32 Leachant Replacement Date and Time(d:hr:min) 12/21/99 10:00
Initial pH of Leachant 2.146 Final pH of Leachate 1.124
Cation Analysis No. T33-012 Dilution Factor _____

33 Leachant Replacement Date and Time(d:hr:min) 12/28/99 11:15
Initial pH of Leachant 2.203 Final pH of Leachate 1.073
Cation Analysis No. T34-012 Dilution Factor _____

34 Leachant Replacement Date and Time(d:hr:min) 1/4/00 10:30
Initial pH of Leachant 2.089 Final pH of Leachate 1.081
Cation Analysis No. T35-012 Dilution Factor _____

35 Leachant Replacement Date and Time(d:hr:min) 1/11/00 10:30
Initial pH of Leachant 2.066 Final pH of Leachate 1.095
Cation Analysis No. T36-012 Dilution Factor _____

36 Leachant Replacement Date and Time(d:hr:min) 1/18/00 10:50
Initial pH of Leachant 2.036 Final pH of Leachate 1.054
Cation Analysis No. T37-012 Dilution Factor _____

JP Pa
1/18/00

012

37 Leachant Replacement Date and Time(d:hr:min) 1/25/00 10:45
Initial pH of Leachant 1.961 Final pH of Leachate 1.028
Cation Analysis No. T38-012 Dilution Factor _____

38 Leachant Replacement Date and Time(d:hr:min) 2/2/00 3pm
Initial pH of Leachant 1.838 Final pH of Leachate 1.085
Cation Analysis No. T39-012 Dilution Factor _____

39 Leachant Replacement Date and Time(d:hr:min) 2/15/00 10:30
Initial pH of Leachant 1.831 Final pH of Leachate 0.915
Cation Analysis No. T40-012 Dilution Factor _____

40 Leachant Replacement Date and Time(d:hr:min) 2/29/00 2:30pm
Initial pH of Leachant 2.149 Final pH of Leachate 1.116
Cation Analysis No. T41-012 Dilution Factor _____

41 Leachant Replacement Date and Time(d:hr:min) 3/14/00 11:00am
Initial pH of Leachant 2.315 Final pH of Leachate 0.969
Cation Analysis No. T42-012 Dilution Factor _____

42 Leachant Replacement Date and Time(d:hr:min) 3/28/00 10:00am
Initial pH of Leachant 2.114 Final pH of Leachate 1.119
Cation Analysis No. T43-012 Dilution Factor _____

43 Leachant Replacement Date and Time(d:hr:min) 4/11/00 2:00pm
Initial pH of Leachant 1.961 Final pH of Leachate 0.977
Cation Analysis No. T44-012 Dilution Factor _____

44 Leachant Replacement Date and Time(d:hr:min) 4/25/00 2:00pm
Initial pH of Leachant 2.030 Final pH of Leachate 0.965
Cation Analysis No. T45-012 Dilution Factor _____

45 Leachant Replacement Date and Time(d:hr:min) 5-9-00 10:30
Initial pH of Leachant 2.013 Final pH of Leachate 1.039
Cation Analysis No. T46-012 Dilution Factor _____

46 Leachant Replacement Date and Time(d:hr:min) 5/23/00 2:00pm
Initial pH of Leachant 1.915 Final pH of Leachate 0.948
Cation Analysis No. T47-012 Dilution Factor _____

47 Leachant Replacement Date and Time(d:hr:min) 6/6/00 10:30
Initial pH of Leachant 1.922 Final pH of Leachate 0.921
Cation Analysis No. T48-012 Dilution Factor _____

48 Leachant Replacement Date and Time(d:hr:min) 6/20/00 1:00pm
Initial pH of Leachant 1.920 Final pH of Leachate 0.894
Cation Analysis No. T49-012 Dilution Factor _____

49 Leachant Replacement Date and Time(d:hr:min) 7/5/00 8:30
Initial pH of Leachant 1.850 Final pH of Leachate 0.890
Cation Analysis No. T50-012 Dilution Factor _____

50 Leachant Replacement Date and Time(d:hr:min) 7/18/00 10:30
Initial pH of Leachant 1.772 Final pH of Leachate 0.934
Cation Analysis No. T51-012 Dilution Factor _____

JP Pa
8/11/00

LONG-TERM TEST DATA SHEET

Test ID SRSHF2-T2Vessel ID No. 013Batch Cleaning No. 7-21-99Glass Sample ID SRSSample Weight (g) 3.00100Sample Preparation Date 7-29-99Type of Solution 0.25 M FeCl₂Leachant Volume (ml) 30Initial pH of Leachant 2.473Weight of Empty Vessel (g) 126.94830Weight of Vessel + Sample (g) 129.940302nd Weight of Sample (Difference of the last two items) (g) 2.9920Total Weight of Vessel + Sample + Solution (g) 160.42125Test Temperature 90°CDate and Time Test Started (d:hr:min) 7/29/99; 2:00 PMFinal pH of Leachate 2.614Cation Analysis No. T1-013

Dilution Factor

1 Leachant Replacement Date and Time(d:hr:min) 8/2/99; 10:40Initial pH of Leachant 2.469Cation Analysis No. T2-013Final pH of Leachate 2.586

Dilution Factor

2 Leachant Replacement Date and Time(d:hr:min) 8/5/99; 9:10Initial pH of Leachant 2.420Cation Analysis No. T3-013Final pH of Leachate 2.701

Dilution Factor

3 Leachant Replacement Date and Time(d:hr:min) 8/9/99; 9:30Initial pH of Leachant 2.207Cation Analysis No. T4-013Final pH of Leachate 2.488

Dilution Factor

4 Leachant Replacement Date and Time(d:hr:min) 8/12/99; 10:00Initial pH of Leachant 2.160Cation Analysis No. T5-013Final pH of Leachate 2.627

Dilution Factor

5 Leachant Replacement Date and Time(d:hr:min) 8/16/99; 9:55Initial pH of Leachant 2.304Cation Analysis No. T6-013Final pH of Leachate 2.320

Dilution Factor

6 Leachant Replacement Date and Time(d:hr:min) 8/19/99; 9:40Initial pH of Leachant 2.274Cation Analysis No. T7-013Final pH of Leachate 2.276

Dilution Factor

7 Leachant Replacement Date and Time(d:hr:min) 8/23/99; 9:30Initial pH of Leachant 2.176Cation Analysis No. T8-013Final pH of Leachate 2.206

Dilution Factor

8 Leachant Replacement Date and Time(d:hr:min) 8/26/99; 8:50Initial pH of Leachant 2.185Cation Analysis No. T9-013Final pH of Leachate 2.081

Dilution Factor

013

9 Leachant Replacement Date and Time(d:hr:min) 8/30/99; 9:50Initial pH of Leachant 2.909Cation Analysis No. T10-013Final pH of Leachate 2.300

Dilution Factor

10 Leachant Replacement Date and Time(d:hr:min) 9/2/99; 9:30Initial pH of Leachant 2.615Cation Analysis No. T11-013Final pH of Leachate 1.849

Dilution Factor

11 Leachant Replacement Date and Time(d:hr:min) 9/6/99; 12:55Initial pH of Leachant 2.535Cation Analysis No. T12-013Final pH of Leachate 1.701

Dilution Factor

12 Leachant Replacement Date and Time(d:hr:min) 9/9/99; 9:15Initial pH of Leachant 2.473Cation Analysis No. T13-013Final pH of Leachate 1.551

Dilution Factor

13 Leachant Replacement Date and Time(d:hr:min) 9/13/99; 8:45Initial pH of Leachant 2.371Cation Analysis No. T14-013Final pH of Leachate 1.553

Dilution Factor

14 Leachant Replacement Date and Time(d:hr:min) 9/16/99; 9:00Initial pH of Leachant 2.351Cation Analysis No. T15-013Final pH of Leachate 1.503

Dilution Factor

15 Leachant Replacement Date and Time(d:hr:min) 9/20/99; 9:00Initial pH of Leachant 2.323Cation Analysis No. T16-013Final pH of Leachate 1.360

Dilution Factor

16 Leachant Replacement Date and Time(d:hr:min) 9/23/99; 9:00Initial pH of Leachant 2.133Cation Analysis No. T17-013Final pH of Leachate 1.373

Dilution Factor

17 Leachant Replacement Date and Time(d:hr:min) 9/27/99; 9:15Initial pH of Leachant 2.050Cation Analysis No. T18-013Final pH of Leachate 1.351

Dilution Factor

18 Leachant Replacement Date and Time(d:hr:min) 9/30/99; 9:45Initial pH of Leachant 2.052Cation Analysis No. T19-013Final pH of Leachate 1.333

Dilution Factor

19 Leachant Replacement Date and Time(d:hr:min) 10/4/99; 9:00Initial pH of Leachant 2.045Cation Analysis No. T20-013Final pH of Leachate 1.440

Dilution Factor

20 Leachant Replacement Date and Time(d:hr:min) 10/8/99; 9:30Initial pH of Leachant 2.058Cation Analysis No. T21-013Final pH of Leachate 1.426

Dilution Factor

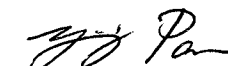
21 Leachant Replacement Date and Time(d:hr:min) 10/12/99; 9:45Initial pH of Leachant 2.162Cation Analysis No. T22-013Final pH of Leachate 1.429

Dilution Factor

22 Leachant Replacement Date and Time(d:hr:min) 10/15/99; 9:45Initial pH of Leachant 2.227Cation Analysis No. T23-013Final pH of Leachate 1.413

Dilution Factor


 8/26/99


 10/15/99

013

23 Leachant Replacement Date and Time(d:hr:min) 10/19/99 9:15
Initial pH of Leachant 2.210 Final pH of Leachate 1.348
Cation Analysis No. T24-013 Dilution Factor _____

24 Leachant Replacement Date and Time(d:hr:min) 10/26/99 10:00
Initial pH of Leachant 2.189 Final pH of Leachate 1.195
Cation Analysis No. T25-013 Dilution Factor _____

25 Leachant Replacement Date and Time(d:hr:min) 11/2/99 9:55
Initial pH of Leachant 2.143 Final pH of Leachate 1.188
Cation Analysis No. T26-013 Dilution Factor _____

26 Leachant Replacement Date and Time(d:hr:min) 11/9/99 9:30
Initial pH of Leachant 2.128 Final pH of Leachate 1.222
Cation Analysis No. T27-013 Dilution Factor _____

27 Leachant Replacement Date and Time(d:hr:min) 11/16/99 1:00
Initial pH of Leachant 2.022 Final pH of Leachate 1.082
Cation Analysis No. T28-013 Dilution Factor _____

28 Leachant Replacement Date and Time(d:hr:min) 11/23/99 10:30
Initial pH of Leachant 2.040 Final pH of Leachate 1.014
Cation Analysis No. T29-013 Dilution Factor _____

29 Leachant Replacement Date and Time(d:hr:min) 11/30/99 10:00
Initial pH of Leachant 1.968 Final pH of Leachate 1.131
Cation Analysis No. T30-013 Dilution Factor _____

30 Leachant Replacement Date and Time(d:hr:min) 12/7/99 11:15
Initial pH of Leachant 2.361 Final pH of Leachate 1.129
Cation Analysis No. T31-013 Dilution Factor _____

31 Leachant Replacement Date and Time(d:hr:min) 12/14/99 10:00
Initial pH of Leachant 2.239 Final pH of Leachate 1.165
Cation Analysis No. T32-013 Dilution Factor _____

32 Leachant Replacement Date and Time(d:hr:min) 12/21/99 10:00
Initial pH of Leachant 2.146 Final pH of Leachate 1.139
Cation Analysis No. T33-013 Dilution Factor _____

33 Leachant Replacement Date and Time(d:hr:min) 12/28/99 11:15
Initial pH of Leachant 2.203 Final pH of Leachate 1.063
Cation Analysis No. T34-013 Dilution Factor _____

34 Leachant Replacement Date and Time(d:hr:min) 1/4/00 10:30
Initial pH of Leachant 2.089 Final pH of Leachate 1.081
Cation Analysis No. T35-013 Dilution Factor _____

35 Leachant Replacement Date and Time(d:hr:min) 1/11/00 10:30
Initial pH of Leachant 2.066 Final pH of Leachate 1.102
Cation Analysis No. T36-013 Dilution Factor _____

36 Leachant Replacement Date and Time(d:hr:min) 1/18/00 10:50
Initial pH of Leachant 2.036 Final pH of Leachate 1.018
Cation Analysis No. T37-013 Dilution Factor _____

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1/18/00

013

37 Leachant Replacement Date and Time(d:hr:min) 1/25/00 10:45
Initial pH of Leachant 1.961 Final pH of Leachate 1.402
Cation Analysis No. T38-013 Dilution Factor _____

38 Leachant Replacement Date and Time(d:hr:min) 2/2/00 3pm
Initial pH of Leachant 1.838 Final pH of Leachate 0.965
Cation Analysis No. T39-013 Dilution Factor _____

39 Leachant Replacement Date and Time(d:hr:min) 2/15/00 10:30
Initial pH of Leachant 1.831 Final pH of Leachate 0.933
Cation Analysis No. T40-013 Dilution Factor _____

40 Leachant Replacement Date and Time(d:hr:min) 2/29/00 2:30
Initial pH of Leachant 2.479 Final pH of Leachate 0.988
Cation Analysis No. T41-013 Dilution Factor _____

41 Leachant Replacement Date and Time(d:hr:min) 3/14/00 11:00am
Initial pH of Leachant 2.315 Final pH of Leachate 0.968
Cation Analysis No. T42-013 Dilution Factor _____

42 Leachant Replacement Date and Time(d:hr:min) 3/28/00 10:00am
Initial pH of Leachant 2.114 Final pH of Leachate 1.052
Cation Analysis No. T43-013 Dilution Factor _____

43 Leachant Replacement Date and Time(d:hr:min) 4/11/00 2:00
Initial pH of Leachant 1.961 Final pH of Leachate 0.974
Cation Analysis No. T44-013 Dilution Factor _____

44 Leachant Replacement Date and Time(d:hr:min) 4/25/00 2:00
Initial pH of Leachant 2.030 Final pH of Leachate 0.941
Cation Analysis No. T45-013 Dilution Factor _____

45 Leachant Replacement Date and Time(d:hr:min) 5/9/00 10:30
Initial pH of Leachant 2.013 Final pH of Leachate 0.996
Cation Analysis No. T46-013 Dilution Factor _____

46 Leachant Replacement Date and Time(d:hr:min) 5/23/00 2:00pm
Initial pH of Leachant 1.915 Final pH of Leachate 0.942
Cation Analysis No. T47-013 Dilution Factor _____

47 Leachant Replacement Date and Time(d:hr:min) 6/6/00 10:30
Initial pH of Leachant 1.922 Final pH of Leachate 0.917
Cation Analysis No. T48-013 Dilution Factor _____

48 Leachant Replacement Date and Time(d:hr:min) 6/20/00 1:00pm
Initial pH of Leachant 1.920 Final pH of Leachate 0.895
Cation Analysis No. T49-013 Dilution Factor _____

49 Leachant Replacement Date and Time(d:hr:min) 7/5/00 8:30
Initial pH of Leachant 1.850 Final pH of Leachate 0.886
Cation Analysis No. T50-013 Dilution Factor _____

50 Leachant Replacement Date and Time(d:hr:min) 7/18/00 10:30
Initial pH of Leachant 1.772 Final pH of Leachate 0.924
Cation Analysis No. T51-013 Dilution Factor _____

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8/11/00

LONG-TERM TEST DATA SHEET

Test ID SRSHF2-T3Vessel ID No. 014Batch Cleaning No. 7-21-99Glass Sample ID SRSSample Weight (g) 3.00125Sample Preparation Date 07-29-99Type of Solution 0.25 M FeCl₃Leachant Volume (ml) 30Initial pH of Leachant 2.473Weight of Empty Vessel (g) 125.74650Weight of Vessel + Sample (g) 128.738602nd Weight of Sample (Difference of the last two items) (g) 2.9921Total Weight of Vessel + Sample + Solution (g) 159.21860Test Temperature 90°CDate and Time Test Started (d:hr:min) 7/29/99; 2:00PMFinal pH of Leachate 2.610Cation Analysis No. T1-014

Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 8/2/99; 10:40Initial pH of Leachant 2.469Cation Analysis No. T2-014Final pH of Leachate 2.686

Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 8/5/99; 9:10Initial pH of Leachant 2.420Cation Analysis No. T3-014Final pH of Leachate 2.765

Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 8/9/99; 9:30Initial pH of Leachant 2.207Cation Analysis No. T4-014Final pH of Leachate 2.511

Dilution Factor _____

4 Leachant Replacement Date and Time(d:hr:min) 8/12/99; 10:00Initial pH of Leachant 2.160Cation Analysis No. T5-014Final pH of Leachate 2.591

Dilution Factor _____

5 Leachant Replacement Date and Time(d:hr:min) 8/16/99; 9:55Initial pH of Leachant 2.304Cation Analysis No. T6-014Final pH of Leachate 2.273

Dilution Factor _____

6 Leachant Replacement Date and Time(d:hr:min) 8/19/99; 9:40Initial pH of Leachant 2.274Cation Analysis No. T7-014Final pH of Leachate 2.247

Dilution Factor _____

7 Leachant Replacement Date and Time(d:hr:min) 8/23/99; 9:30Initial pH of Leachant 2.176Cation Analysis No. T8-014Final pH of Leachate 2.147

Dilution Factor _____

8 Leachant Replacement Date and Time(d:hr:min) 8/26/99; 8:52Initial pH of Leachant 2.180Cation Analysis No. T9-014Final pH of Leachate 2.016

Dilution Factor _____

JP
8/26/99

014

9 Leachant Replacement Date and Time(d:hr:min) 8/30/99; 9:50Initial pH of Leachant 2.604Cation Analysis No. T10-014Final pH of Leachate 2.174

Dilution Factor _____

10 Leachant Replacement Date and Time(d:hr:min) 9/2/99; 9:30Initial pH of Leachant 2.615Cation Analysis No. T11-014Final pH of Leachate 1.782

Dilution Factor _____

11 Leachant Replacement Date and Time(d:hr:min) 9/6/99; 12:55Initial pH of Leachant 2.535Cation Analysis No. T12-014Final pH of Leachate 1.666

Dilution Factor _____

12 Leachant Replacement Date and Time(d:hr:min) 9/9/99; 9:15Initial pH of Leachant 2.473Cation Analysis No. T13-014Final pH of Leachate 1.548

Dilution Factor _____

13 Leachant Replacement Date and Time(d:hr:min) 9/13/99; 8:45Initial pH of Leachant 2.371Cation Analysis No. T14-014Final pH of Leachate 1.561

Dilution Factor _____

14 Leachant Replacement Date and Time(d:hr:min) 9/16/99; 9:00Initial pH of Leachant 2.351Cation Analysis No. T15-014Final pH of Leachate 1.493

Dilution Factor _____

15 Leachant Replacement Date and Time(d:hr:min) 9/20/99; 9:00Initial pH of Leachant 2.323Cation Analysis No. T16-014Final pH of Leachate 1.350

Dilution Factor _____

16 Leachant Replacement Date and Time(d:hr:min) 9/23/99; 9:00Initial pH of Leachant 2.133Cation Analysis No. T17-014Final pH of Leachate 1.362

Dilution Factor _____

17 Leachant Replacement Date and Time(d:hr:min) 9/27/99; 9:45Initial pH of Leachant 2.050Cation Analysis No. T18-014Final pH of Leachate 1.332

Dilution Factor _____

18 Leachant Replacement Date and Time(d:hr:min) 9/30/99; 9:45Initial pH of Leachant 2.052Cation Analysis No. T19-014Final pH of Leachate 1.325

Dilution Factor _____

19 Leachant Replacement Date and Time(d:hr:min) 10/4/99; 9:00Initial pH of Leachant 2.045Cation Analysis No. T20-014Final pH of Leachate 1.420

Dilution Factor _____

20 Leachant Replacement Date and Time(d:hr:min) 10/8/99; 9:30Initial pH of Leachant 2.058Cation Analysis No. T21-014Final pH of Leachate 1.400

Dilution Factor _____

21 Leachant Replacement Date and Time(d:hr:min) 10/12/99; 9:45Initial pH of Leachant 2.162Cation Analysis No. T22-014Final pH of Leachate 1.402

Dilution Factor _____

22 Leachant Replacement Date and Time(d:hr:min) 10/15/99; 9:45Initial pH of Leachant 2.227Cation Analysis No. T23-014Final pH of Leachate 1.404

Dilution Factor _____

JP
10/15/99

014

23 Leachant Replacement Date and Time(d:hr:min) 10/19/99 9:15
Initial pH of Leachant 2.210 Final pH of Leachate 1.321
Cation Analysis No. T24-014 Dilution Factor _____

24 Leachant Replacement Date and Time(d:hr:min) 10/26/99 10:00
Initial pH of Leachant 2.189 Final pH of Leachate 1.175
Cation Analysis No. T25-014 Dilution Factor _____

25 Leachant Replacement Date and Time(d:hr:min) 11/2/99 9:55
Initial pH of Leachant 2.143 Final pH of Leachate 1.170
Cation Analysis No. T26-014 Dilution Factor _____

26 Leachant Replacement Date and Time(d:hr:min) 11/9/99 9:30
Initial pH of Leachant 2.128 Final pH of Leachate 1.191
Cation Analysis No. T27-014 Dilution Factor _____

27 Leachant Replacement Date and Time(d:hr:min) 11/16/99 1:00
Initial pH of Leachant 2.022 Final pH of Leachate 1.067
Cation Analysis No. T28-014 Dilution Factor _____

28 Leachant Replacement Date and Time(d:hr:min) 11/23/99 10:30
Initial pH of Leachant 2.040 Final pH of Leachate 1.005
Cation Analysis No. T29-014 Dilution Factor _____

29 Leachant Replacement Date and Time(d:hr:min) 11/30/99 10:00
Initial pH of Leachant 1.968 Final pH of Leachate 1.145
Cation Analysis No. T30-014 Dilution Factor _____

30 Leachant Replacement Date and Time(d:hr:min) 12/8/99 11:15
Initial pH of Leachant 2.361 Final pH of Leachate 1.107
Cation Analysis No. T31-014 Dilution Factor _____

31 Leachant Replacement Date and Time(d:hr:min) 12/14/99 10:00
Initial pH of Leachant 2.237 Final pH of Leachate 1.146
Cation Analysis No. T32-014 Dilution Factor _____

32 Leachant Replacement Date and Time(d:hr:min) 12/21/99 10:00
Initial pH of Leachant 2.146 Final pH of Leachate 1.137
Cation Analysis No. T33-014 Dilution Factor _____

33 Leachant Replacement Date and Time(d:hr:min) 12/28/99 11:15
Initial pH of Leachant 2.203 Final pH of Leachate 1.052
Cation Analysis No. T34-014 Dilution Factor _____

34 Leachant Replacement Date and Time(d:hr:min) 1/4/00 10:30
Initial pH of Leachant 2.089 Final pH of Leachate 1.075
Cation Analysis No. T35-014 Dilution Factor _____

35 Leachant Replacement Date and Time(d:hr:min) 1/11/00 10:30
Initial pH of Leachant 2.066 Final pH of Leachate 1.068
Cation Analysis No. T36-014 Dilution Factor _____

36 Leachant Replacement Date and Time(d:hr:min) 1/18/00 10:50
Initial pH of Leachant 2.036 Final pH of Leachate 1.000
Cation Analysis No. T37-014 Dilution Factor _____

Jo Pa
1/18/00

014

37 Leachant Replacement Date and Time(d:hr:min) 1/25/00 10:45
Initial pH of Leachant 1.961 Final pH of Leachate 1.126
Cation Analysis No. T38-014 Dilution Factor _____

38 Leachant Replacement Date and Time(d:hr:min) 2/2/00 3 pm
Initial pH of Leachant 1.838 Final pH of Leachate 1.007
Cation Analysis No. T39-014 Dilution Factor _____

39 Leachant Replacement Date and Time(d:hr:min) 2/15/00 10:30
Initial pH of Leachant 1.831 Final pH of Leachate 0.909
Cation Analysis No. T40-014 Dilution Factor _____

40 Leachant Replacement Date and Time(d:hr:min) 2/27/00 2:30 pm
Initial pH of Leachant 2.479 Final pH of Leachate 0.989
Cation Analysis No. T41-014 Dilution Factor _____

41 Leachant Replacement Date and Time(d:hr:min) 3/14/00 11:00 am
Initial pH of Leachant 3.315 Final pH of Leachate 0.961
Cation Analysis No. T42-014 Dilution Factor _____

42 Leachant Replacement Date and Time(d:hr:min) 3/28/00 10:00 am
Initial pH of Leachant 2.114 Final pH of Leachate 1.113
Cation Analysis No. T43-014 Dilution Factor _____

43 Leachant Replacement Date and Time(d:hr:min) 4/11/00 2:00
Initial pH of Leachant 1.961 Final pH of Leachate 0.944
Cation Analysis No. T44-014 Dilution Factor _____

44 Leachant Replacement Date and Time(d:hr:min) 4/25/00 2:00
Initial pH of Leachant 2.030 Final pH of Leachate 0.924
Cation Analysis No. T45-014 Dilution Factor _____

45 Leachant Replacement Date and Time(d:hr:min) 5/9/00 10:30
Initial pH of Leachant 2.013 Final pH of Leachate 0.983
Cation Analysis No. T46-014 Dilution Factor _____

46 Leachant Replacement Date and Time(d:hr:min) 5/23/00 2:00
Initial pH of Leachant 1.915 Final pH of Leachate 0.926
Cation Analysis No. T47-014 Dilution Factor _____

47 Leachant Replacement Date and Time(d:hr:min) 6/6/00 10:30
Initial pH of Leachant 1.922 Final pH of Leachate 0.905
Cation Analysis No. T48-014 Dilution Factor _____

48 Leachant Replacement Date and Time(d:hr:min) 6/20/00 1:00 pm
Initial pH of Leachant 1.920 Final pH of Leachate 0.867
Cation Analysis No. T49-014 Dilution Factor _____

49 Leachant Replacement Date and Time(d:hr:min) 7/5/00 8:30
Initial pH of Leachant 1.850 Final pH of Leachate 0.872
Cation Analysis No. T50-014 Dilution Factor _____

50 Leachant Replacement Date and Time(d:hr:min) 7/18/00 10:30
Initial pH of Leachant 1.772 Final pH of Leachate 0.921
Cation Analysis No. T51-014 Dilution Factor _____

Jo Pa
8/11/00

LONG-TERM TEST DATA SHEET

Test ID WVNSHF2-T1Vessel ID No. 015Batch Cleaning No. 7-21-99Glass Sample ID WVNSSample Weight (g) 3.00028Sample Preparation Date 07-29-99Type of Solution 0.25 M FeCl₂Leachant Volume (ml) 30Initial pH of Leachant 2.473Weight of Empty Vessel (g) 126.84145Weight of Vessel + Sample (g) 129.841392nd Weight of Sample (Difference of the last two items) (g) 2.99994Total Weight of Vessel + Sample + Solution (g) 160.34140Test Temperature 90°CDate and Time Test Started (d:hr:min) 7/29/99; 2:00 PMFinal pH of Leachate 3.178Cation Analysis No. T1-015

Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 8/2/99; 10:40Initial pH of Leachant 2.469Cation Analysis No. T2-015Final pH of Leachate 3.126

Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 8/5/99; 9:10Initial pH of Leachant 2.420Cation Analysis No. T3-015Final pH of Leachate 2.949

Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 8/9/99; 9:30Initial pH of Leachant 2.207Cation Analysis No. T4-015Final pH of Leachate 2.631

Dilution Factor _____

4 Leachant Replacement Date and Time(d:hr:min) 8/12/99; 10:00Initial pH of Leachant 2.160Cation Analysis No. T5-015Final pH of Leachate 2.802

Dilution Factor _____

5 Leachant Replacement Date and Time(d:hr:min) 8/16/99; 9:55Initial pH of Leachant 2.304Cation Analysis No. T6-015Final pH of Leachate 2.390

Dilution Factor _____

6 Leachant Replacement Date and Time(d:hr:min) 8/19/99; 9:40Initial pH of Leachant 2.274Cation Analysis No. T7-015Final pH of Leachate 2.332

Dilution Factor _____

7 Leachant Replacement Date and Time(d:hr:min) 8/23/99; 9:30Initial pH of Leachant 2.176Cation Analysis No. T8-015Final pH of Leachate 2.251

Dilution Factor _____

8 Leachant Replacement Date and Time(d:hr:min) 8/26/99; 8:50Initial pH of Leachant 2.180Cation Analysis No. T9-015Final pH of Leachate 2.229

Dilution Factor _____

JP
8/26/99

015

9 Leachant Replacement Date and Time(d:hr:min) 8/30/99; 9:50Initial pH of Leachant 2.409Cation Analysis No. T10-015Final pH of Leachate 2.503

Dilution Factor _____

10 Leachant Replacement Date and Time(d:hr:min) 9/2/99; 9:30Initial pH of Leachant 2.615Cation Analysis No. T11-015Final pH of Leachate 2.253

Dilution Factor _____

11 Leachant Replacement Date and Time(d:hr:min) 9/6/99; 12:55Initial pH of Leachant 2.535Cation Analysis No. T12-015Final pH of Leachate 2.168

Dilution Factor _____

12 Leachant Replacement Date and Time(d:hr:min) 9/9/99; 9:15Initial pH of Leachant 2.473Cation Analysis No. T13-015Final pH of Leachate 2.074

Dilution Factor _____

13 Leachant Replacement Date and Time(d:hr:min) 9/13/99; 8:45Initial pH of Leachant 2.371Cation Analysis No. T14-015Final pH of Leachate 2.090

Dilution Factor _____

14 Leachant Replacement Date and Time(d:hr:min) 9/16/99; 9:00Initial pH of Leachant 2.357Cation Analysis No. T15-015Final pH of Leachate 2.014 *9/17/99*

Dilution Factor _____

15 Leachant Replacement Date and Time(d:hr:min) 9/20/99; 9:00Initial pH of Leachant 2.323Cation Analysis No. T16-015Final pH of Leachate 1.817

Dilution Factor _____

16 Leachant Replacement Date and Time(d:hr:min) 9/23/99; 9:00Initial pH of Leachant 2.133Cation Analysis No. T17-015Final pH of Leachate 1.735

Dilution Factor _____

17 Leachant Replacement Date and Time(d:hr:min) 9/27/99; 9:15Initial pH of Leachant 2.050Cation Analysis No. T18-015Final pH of Leachate 1.567

Dilution Factor _____

18 Leachant Replacement Date and Time(d:hr:min) 9/30/99; 9:45Initial pH of Leachant 2.052Cation Analysis No. T19-015Final pH of Leachate 1.468

Dilution Factor _____

19 Leachant Replacement Date and Time(d:hr:min) 10/4/99; 9:00Initial pH of Leachant 2.045Cation Analysis No. T20-015Final pH of Leachate 1.581

Dilution Factor _____

20 Leachant Replacement Date and Time(d:hr:min) 10/8/99; 9:30Initial pH of Leachant 2.058Cation Analysis No. T21-015Final pH of Leachate 1.532

Dilution Factor _____

21 Leachant Replacement Date and Time(d:hr:min) 10/12/99; 9:45Initial pH of Leachant 2.162Cation Analysis No. T22-015Final pH of Leachate 1.531

Dilution Factor _____

22 Leachant Replacement Date and Time(d:hr:min) 10/15/99; 9:45Initial pH of Leachant 2.227Cation Analysis No. T23-015Final pH of Leachate 1.535

Dilution Factor _____

JP
10/15/99

015

23 Leachant Replacement Date and Time(d:hr:min) 10/19/99 9:15
Initial pH of Leachant 2.210 Final pH of Leachate 1.416
Cation Analysis No. T24-015 Dilution Factor _____

24 Leachant Replacement Date and Time(d:hr:min) 10/26/99 10:00
Initial pH of Leachant 2.189 Final pH of Leachate 1.284
Cation Analysis No. T25-015 Dilution Factor _____

25 Leachant Replacement Date and Time(d:hr:min) 11/2/99 9:55
Initial pH of Leachant 2.143 Final pH of Leachate 1.269
Cation Analysis No. T26-015 Dilution Factor _____

26 Leachant Replacement Date and Time(d:hr:min) 11/9/99 9:30
Initial pH of Leachant 2.128 Final pH of Leachate 1.292
Cation Analysis No. T27-015 Dilution Factor _____

27 Leachant Replacement Date and Time(d:hr:min) 11/16/99 1:00
Initial pH of Leachant 2.022 Final pH of Leachate 1.205
Cation Analysis No. T28-015 Dilution Factor _____

28 Leachant Replacement Date and Time(d:hr:min) 11/23/99 10:30
Initial pH of Leachant 2.040 Final pH of Leachate 1.138
Cation Analysis No. T29-015 Dilution Factor _____

29 Leachant Replacement Date and Time(d:hr:min) 11/30/99 10:00
Initial pH of Leachant 1.968 Final pH of Leachate 1.163
Cation Analysis No. T30-015 Dilution Factor _____

30 Leachant Replacement Date and Time(d:hr:min) 12/7/99 11:15
Initial pH of Leachant 2.361 Final pH of Leachate 1.222
Cation Analysis No. T31-015 Dilution Factor _____

31 Leachant Replacement Date and Time(d:hr:min) 12/14/99 10:00
Initial pH of Leachant 2.239 Final pH of Leachate 1.248
Cation Analysis No. T32-015 Dilution Factor _____

32 Leachant Replacement Date and Time(d:hr:min) 12/21/99 10:00
Initial pH of Leachant 2.146 Final pH of Leachate 1.222
Cation Analysis No. T33-015 Dilution Factor _____

33 Leachant Replacement Date and Time(d:hr:min) 12/28/99 11:15
Initial pH of Leachant 2.203 Final pH of Leachate 1.172
Cation Analysis No. T34-015 Dilution Factor _____

34 Leachant Replacement Date and Time(d:hr:min) 1/4/00 10:30
Initial pH of Leachant 2.089 Final pH of Leachate 1.177
Cation Analysis No. T35-015 Dilution Factor _____

35 Leachant Replacement Date and Time(d:hr:min) 1/11/00 10:30
Initial pH of Leachant 2.066 Final pH of Leachate 1.149
Cation Analysis No. T36-015 Dilution Factor _____

36 Leachant Replacement Date and Time(d:hr:min) 1/18/00 10:50
Initial pH of Leachant 2.036 Final pH of Leachate 1.109
Cation Analysis No. T37-015 Dilution Factor _____

JP
1/18/00

015

37 Leachant Replacement Date and Time(d:hr:min) 1/25/00 10:45
Initial pH of Leachant 1.961 Final pH of Leachate 1.192
Cation Analysis No. T38-015 Dilution Factor _____

38 Leachant Replacement Date and Time(d:hr:min) 2/2/00 3pm
Initial pH of Leachant 1.838 Final pH of Leachate 1.132
Cation Analysis No. T39-015 Dilution Factor _____

39 Leachant Replacement Date and Time(d:hr:min) 2/15/00 10:30
Initial pH of Leachant 1.831 Final pH of Leachate 1.023
Cation Analysis No. T40-015 Dilution Factor _____

40 Leachant Replacement Date and Time(d:hr:min) 2/29/00 2:30pm
Initial pH of Leachant 2.479 Final pH of Leachate 1.129
Cation Analysis No. T41-015 Dilution Factor _____

41 Leachant Replacement Date and Time(d:hr:min) 3/14/00 11:00am
Initial pH of Leachant 2.315 Final pH of Leachate 1.084
Cation Analysis No. T42-015 Dilution Factor _____

42 Leachant Replacement Date and Time(d:hr:min) 3/28/00 10:00am
Initial pH of Leachant 2.114 Final pH of Leachate 1.094
Cation Analysis No. T43-015 Dilution Factor _____

43 Leachant Replacement Date and Time(d:hr:min) 4/11/00 2:00
Initial pH of Leachant 1.961 Final pH of Leachate 1.054
Cation Analysis No. T44-015 Dilution Factor _____

44 Leachant Replacement Date and Time(d:hr:min) 4/25/00 2:00
Initial pH of Leachant 2.030 Final pH of Leachate 1.012
Cation Analysis No. T45-015 Dilution Factor _____

45 Leachant Replacement Date and Time(d:hr:min) 5/9/00 10:30
Initial pH of Leachant 2.013 Final pH of Leachate 1.101
Cation Analysis No. T46-015 Dilution Factor _____

46 Leachant Replacement Date and Time(d:hr:min) 5/23/00 2:00pm
Initial pH of Leachant 1.915 Final pH of Leachate 1.047
Cation Analysis No. T47-015 Dilution Factor _____

47 Leachant Replacement Date and Time(d:hr:min) 6/6/00 10:30
Initial pH of Leachant 1.922 Final pH of Leachate 0.990
Cation Analysis No. T48-015 Dilution Factor _____

48 Leachant Replacement Date and Time(d:hr:min) 6/20/00 1:00pm
Initial pH of Leachant 1.920 Final pH of Leachate 1.022
Cation Analysis No. T49-015 Dilution Factor _____

49 Leachant Replacement Date and Time(d:hr:min) 7/5/00 8:30
Initial pH of Leachant 1.850 Final pH of Leachate 0.964
Cation Analysis No. T50-015 Dilution Factor _____

50 Leachant Replacement Date and Time(d:hr:min) 7/18/00 10:30
Initial pH of Leachant 1.772 Final pH of Leachate 1.066
Cation Analysis No. T51-015 Dilution Factor _____

JP
6/6/00

JP
8/11/00

LONG-TERM TEST DATA SHEET

Test ID WVNSHF2-T2

Vessel ID No. 016

Batch Cleaning No. 7-21-99

Glass Sample ID WVNS

Sample Weight (g) 3.00016

Sample Preparation Date 07-29-99

Type of Solution 0.25 M FeCl₂

Leachant Volume (ml) 30

Initial pH of Leachant 2.473

Weight of Empty Vessel (g) 126.42020

Weight of Vessel + Sample (g) 129.43655

2nd Weight of Sample (Difference of the last two items) (g) 3.01635

Total Weight of Vessel + Sample + Solution (g) 159.86205

Test Temperature 90°C

Date and Time Test Started (d:hr:min) 7/29/99, 2:00 PM

Final pH of Leachate 3.076

Cation Analysis No. T1-016

Dilution Factor

1 Leachant Replacement Date and Time(d:hr:min) 8/2/99, 10:40

Initial pH of Leachant 2.469

Final pH of Leachate 3.094

Cation Analysis No. T2-016

Dilution Factor

2 Leachant Replacement Date and Time(d:hr:min) 8/5/99, 9:10

Initial pH of Leachant 2.420

Final pH of Leachate 2.913

Cation Analysis No. T3-016

Dilution Factor

3 Leachant Replacement Date and Time(d:hr:min) 8/9/99, 9:30

Initial pH of Leachant 2.207

Final pH of Leachate 2.609

Cation Analysis No. T4-016

Dilution Factor

4 Leachant Replacement Date and Time(d:hr:min) 8/12/99, 10:00

Initial pH of Leachant 2.160

Final pH of Leachate 2.757

Cation Analysis No. T5-016

Dilution Factor

5 Leachant Replacement Date and Time(d:hr:min) 8/16/99, 9:55

Initial pH of Leachant 2.304

Final pH of Leachate 2.448

Cation Analysis No. T6-016

Dilution Factor

6 Leachant Replacement Date and Time(d:hr:min) 8/19/99, 9:40

Initial pH of Leachant 2.274

Final pH of Leachate 2.363

Cation Analysis No. T7-016

Dilution Factor

7 Leachant Replacement Date and Time(d:hr:min) 8/23/99, 9:30

Initial pH of Leachant 2.176

Final pH of Leachate 2.274

Cation Analysis No. T8-016

Dilution Factor

8 Leachant Replacement Date and Time(d:hr:min) 8/26/99, 8:50

Initial pH of Leachant 2.180

Final pH of Leachate 2.243

Cation Analysis No. T9-016

Dilution Factor

WJ Pa
8/26/99

016

9 Leachant Replacement Date and Time(d:hr:min) 8/30/99, 9:50

Initial pH of Leachant 2.909

Final pH of Leachate 2.491

Cation Analysis No. T10-016

Dilution Factor

10 Leachant Replacement Date and Time(d:hr:min) 9/2/99, 9:30

Initial pH of Leachant 2.615

Final pH of Leachate 2.237

Cation Analysis No. T11-016

Dilution Factor

11 Leachant Replacement Date and Time(d:hr:min) 9/6/99, 12:55

Initial pH of Leachant 2.535

Final pH of Leachate 2.179

Cation Analysis No. T12-016

Dilution Factor

12 Leachant Replacement Date and Time(d:hr:min) 9/9/99, 9:15

Initial pH of Leachant 2.473

Final pH of Leachate 2.082

Cation Analysis No. T13-016

Dilution Factor

13 Leachant Replacement Date and Time(d:hr:min) 9/13/99, 8:45

Initial pH of Leachant 2.371

Final pH of Leachate 2.086

Cation Analysis No. T14-016

Dilution Factor

14 Leachant Replacement Date and Time(d:hr:min) 9/16/99, 9:00

Initial pH of Leachant 2.351

Final pH of Leachate 2.022

Cation Analysis No. T15-016

Dilution Factor

15 Leachant Replacement Date and Time(d:hr:min) 9/20/99, 9:00

Initial pH of Leachant 2.323

Final pH of Leachate 1.823

Cation Analysis No. T16-016

Dilution Factor

16 Leachant Replacement Date and Time(d:hr:min) 9/23/99, 9:00

Initial pH of Leachant 2.133

Final pH of Leachate 1.739

Cation Analysis No. T17-016

Dilution Factor

17 Leachant Replacement Date and Time(d:hr:min) 9/27/99, 9:15

Initial pH of Leachant 2.050

Final pH of Leachate 1.577

Cation Analysis No. T18-016

Dilution Factor

18 Leachant Replacement Date and Time(d:hr:min) 9/30/99, 9:45

Initial pH of Leachant 2.052

Final pH of Leachate 1.475

Cation Analysis No. T19-016

Dilution Factor

19 Leachant Replacement Date and Time(d:hr:min) 10/4/99, 9:00

Initial pH of Leachant 2.045

Final pH of Leachate 1.589

Cation Analysis No. T20-016

Dilution Factor

20 Leachant Replacement Date and Time(d:hr:min) 10/8/99, 9:30

Initial pH of Leachant 2.058

Final pH of Leachate 1.533

Cation Analysis No. T21-016

Dilution Factor

21 Leachant Replacement Date and Time(d:hr:min) 10/12/99, 9:45

Initial pH of Leachant 2.162

Final pH of Leachate 1.526

Cation Analysis No. T22-016

Dilution Factor

22 Leachant Replacement Date and Time(d:hr:min) 10/15/99, 9:45

Initial pH of Leachant 2.227

Final pH of Leachate 1.525

Cation Analysis No. T23-016

Dilution Factor

WJ Pa
10/15/99

016

23 Leachant Replacement Date and Time(d:hr:min) 10/19/99 9:15
Initial pH of Leachant 2.210 Final pH of Leachate 1.411
Cation Analysis No. T24-016 Dilution Factor _____

24 Leachant Replacement Date and Time(d:hr:min) 10/26/99 10:00
Initial pH of Leachant 2.189 Final pH of Leachate 1.282
Cation Analysis No. T25-016 Dilution Factor _____

25 Leachant Replacement Date and Time(d:hr:min) 11/2/99 9:55
Initial pH of Leachant 2.143 Final pH of Leachate 1.276
Cation Analysis No. T26-016 Dilution Factor _____

26 Leachant Replacement Date and Time(d:hr:min) 11/9/99 9:30
Initial pH of Leachant 2.128 Final pH of Leachate 1.290
Cation Analysis No. T27-016 Dilution Factor _____

27 Leachant Replacement Date and Time(d:hr:min) 11/16/99 1:00
Initial pH of Leachant 2.022 Final pH of Leachate 1.190
Cation Analysis No. T28-016 Dilution Factor _____

28 Leachant Replacement Date and Time(d:hr:min) 11/23/99 10:30
Initial pH of Leachant 2.040 Final pH of Leachate 1.133
Cation Analysis No. T29-016 Dilution Factor _____

29 Leachant Replacement Date and Time(d:hr:min) 11/30/99 10:00
Initial pH of Leachant 1.968 Final pH of Leachate 1.150
Cation Analysis No. T30-016 Dilution Factor _____

30 Leachant Replacement Date and Time(d:hr:min) 12/7/99 11:15
Initial pH of Leachant 2.361 Final pH of Leachate 1.224
Cation Analysis No. T31-016 Dilution Factor _____

31 Leachant Replacement Date and Time(d:hr:min) 12/14/99 10:00
Initial pH of Leachant 2.239 Final pH of Leachate 1.176
Cation Analysis No. T32-016 Dilution Factor _____

32 Leachant Replacement Date and Time(d:hr:min) 12/21/99 10:00
Initial pH of Leachant 2.146 Final pH of Leachate 1.210
Cation Analysis No. T33-016 Dilution Factor _____

33 Leachant Replacement Date and Time(d:hr:min) 12/28/99 11:15
Initial pH of Leachant 2.203 Final pH of Leachate 1.171
Cation Analysis No. T34-016 Dilution Factor _____

34 Leachant Replacement Date and Time(d:hr:min) 1/4/00 10:30
Initial pH of Leachant 2.089 Final pH of Leachate 1.179
Cation Analysis No. T35-016 Dilution Factor _____

35 Leachant Replacement Date and Time(d:hr:min) 1/11/00 10:30
Initial pH of Leachant 2.066 Final pH of Leachate 1.149
Cation Analysis No. T36-016 Dilution Factor _____

36 Leachant Replacement Date and Time(d:hr:min) 1/18/00 10:50
Initial pH of Leachant 2.036 Final pH of Leachate 1.219
Cation Analysis No. T37-016 Dilution Factor _____

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37 Leachant Replacement Date and Time(d:hr:min) 1/25/00 10:45
Initial pH of Leachant 1.961 Final pH of Leachate 1.153
Cation Analysis No. T38-016 Dilution Factor _____

38 Leachant Replacement Date and Time(d:hr:min) 2/2/00 3pm
Initial pH of Leachant 1.838 Final pH of Leachate 1.099
Cation Analysis No. T39-016 Dilution Factor _____

39 Leachant Replacement Date and Time(d:hr:min) 2/15/00 10:30
Initial pH of Leachant 1.831 Final pH of Leachate 1.025
Cation Analysis No. T40-016 Dilution Factor _____

40 Leachant Replacement Date and Time(d:hr:min) 2/29/00 2:30pm
Initial pH of Leachant 2.479 Final pH of Leachate 1.043
Cation Analysis No. T41-016 Dilution Factor _____

41 Leachant Replacement Date and Time(d:hr:min) 3/14/00 11:00am
Initial pH of Leachant 2.315 Final pH of Leachate 1.085
Cation Analysis No. T42-016 Dilution Factor _____

42 Leachant Replacement Date and Time(d:hr:min) 3/28/00 10:00am
Initial pH of Leachant 2.114 Final pH of Leachate 1.104
Cation Analysis No. T43-016 Dilution Factor _____

43 Leachant Replacement Date and Time(d:hr:min) 4/11/00 2:00
Initial pH of Leachant 1.961 Final pH of Leachate 1.063
Cation Analysis No. T44-016 Dilution Factor _____

44 Leachant Replacement Date and Time(d:hr:min) 4/25/00 2:00
Initial pH of Leachant 2.030 Final pH of Leachate 1.025
Cation Analysis No. T45-016 Dilution Factor _____

45 Leachant Replacement Date and Time(d:hr:min) 5/9/00 10:30
Initial pH of Leachant 2.013 Final pH of Leachate 1.134
Cation Analysis No. T46-016 Dilution Factor _____

46 Leachant Replacement Date and Time(d:hr:min) 5/23/00 2:00pm
Initial pH of Leachant 1.915 Final pH of Leachate 1.056
Cation Analysis No. T47-016 Dilution Factor _____

47 Leachant Replacement Date and Time(d:hr:min) 6/6/00 10:30
Initial pH of Leachant 1.922 Final pH of Leachate 0.992
Cation Analysis No. T48-016 Dilution Factor _____

48 Leachant Replacement Date and Time(d:hr:min) 6/20/00 1:00pm
Initial pH of Leachant 1.920 Final pH of Leachate 1.020
Cation Analysis No. T49-016 Dilution Factor _____

49 Leachant Replacement Date and Time(d:hr:min) 7/5/00 8:30
Initial pH of Leachant 1.850 Final pH of Leachate 0.977
Cation Analysis No. T50-016 Dilution Factor _____

50 Leachant Replacement Date and Time(d:hr:min) 7/18/00 10:30
Initial pH of Leachant 1.772 Final pH of Leachate 1.064
Cation Analysis No. T51-016 Dilution Factor _____

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LONG-TERM TEST DATA SHEET

Test ID WVNSHF2-T3

Vessel ID No. 017

Batch Cleaning No. 7-21-99

Glass Sample ID WVNS

Sample Weight (g) 3.00051

Sample Preparation Date 07-29-99

Type of Solution 0.25 M FeCl₂

Leachant Volume (ml) 30

Initial pH of Leachant 2.473

Weight of Empty Vessel (g) 127.07820

Weight of Vessel + Sample (g) 130.09305

2nd Weight of Sample (Difference of the last two items) (g) 3.01485

Total Weight of Vessel + Sample + Solution (g) 160.56910

Test Temperature 90°C

Date and Time Test Started (d:hr:min) 7/29/99; 2:00 PM

Final pH of Leachate 3.220

Cation Analysis No. T1-017

Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 8/2/99; 10:40

Initial pH of Leachant 2.469

Final pH of Leachate 3.112

Cation Analysis No. T2-017

Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 8/5/99; 9:10

Initial pH of Leachant 2.420

Final pH of Leachate 2.849

Cation Analysis No. T3-017

Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 8/9/99; 9:30

Initial pH of Leachant 2.207

Final pH of Leachate 2.519

Cation Analysis No. T4-017

Dilution Factor _____

4 Leachant Replacement Date and Time(d:hr:min) 8/12/99; 10:00

Initial pH of Leachant 2.160

Final pH of Leachate 2.823

Cation Analysis No. T5-017

Dilution Factor _____

5 Leachant Replacement Date and Time(d:hr:min) 8/16/99; 9:55

Initial pH of Leachant 2.304

Final pH of Leachate 2.385

Cation Analysis No. T6-017

Dilution Factor _____

6 Leachant Replacement Date and Time(d:hr:min) 8/19/99; 9:40

Initial pH of Leachant 2.274

Final pH of Leachate 2.325

Cation Analysis No. T7-017

Dilution Factor _____

7 Leachant Replacement Date and Time(d:hr:min) 8/23/99; 9:30

Initial pH of Leachant 2.176

Final pH of Leachate 2.230

Cation Analysis No. T8-017

Dilution Factor _____

8 Leachant Replacement Date and Time(d:hr:min) 8/26/99; 8:50

Initial pH of Leachant 2.180

Final pH of Leachate 2.203

Cation Analysis No. T9-017

Dilution Factor _____

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8/26/99

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9 Leachant Replacement Date and Time(d:hr:min) 8/30/99; 9:50

Initial pH of Leachant 2.909

Final pH of Leachate 2.164

Cation Analysis No. T10-017

Dilution Factor _____

10 Leachant Replacement Date and Time(d:hr:min) 9/2/99; 9:30

Initial pH of Leachant 2.615

Final pH of Leachate 2.219

Cation Analysis No. T11-017

Dilution Factor _____

11 Leachant Replacement Date and Time(d:hr:min) 9/6/99; 12:55

Initial pH of Leachant 2.535

Final pH of Leachate 2.175

Cation Analysis No. T12-017

Dilution Factor _____

12 Leachant Replacement Date and Time(d:hr:min) 9/9/99; 9:15

Initial pH of Leachant 2.473

Final pH of Leachate 2.066

Cation Analysis No. T13-017

Dilution Factor _____

13 Leachant Replacement Date and Time(d:hr:min) 9/13/99; 8:45

Initial pH of Leachant 2.371

Final pH of Leachate 2.070

Cation Analysis No. T14-017

Dilution Factor _____

14 Leachant Replacement Date and Time(d:hr:min) 9/16/99; 9:00

Initial pH of Leachant 2.351

Final pH of Leachate 2.015

Cation Analysis No. T15-017

Dilution Factor _____

15 Leachant Replacement Date and Time(d:hr:min) 9/20/99; 9:00

Initial pH of Leachant 2.323

Final pH of Leachate 1.793

Cation Analysis No. T16-017

Dilution Factor _____

16 Leachant Replacement Date and Time(d:hr:min) 9/23/99; 9:00

Initial pH of Leachant 2.133

Final pH of Leachate 1.679

Cation Analysis No. T17-017

Dilution Factor _____

17 Leachant Replacement Date and Time(d:hr:min) 9/27/99; 9:15

Initial pH of Leachant 2.050

Final pH of Leachate 1.536

Cation Analysis No. T18-017

Dilution Factor _____

18 Leachant Replacement Date and Time(d:hr:min) 9/30/99; 9:45

Initial pH of Leachant 2.052

Final pH of Leachate 1.470

Cation Analysis No. T19-017

Dilution Factor _____

19 Leachant Replacement Date and Time(d:hr:min) 10/4/99; 9:00

Initial pH of Leachant 2.045

Final pH of Leachate 1.580

Cation Analysis No. T20-017

Dilution Factor _____

20 Leachant Replacement Date and Time(d:hr:min) 10/8/99; 9:30

Initial pH of Leachant 2.058

Final pH of Leachate 1.531

Cation Analysis No. T21-017

Dilution Factor _____

21 Leachant Replacement Date and Time(d:hr:min) 10/12/99; 9:45

Initial pH of Leachant 2.162

Final pH of Leachate 1.511

Cation Analysis No. T22-017

Dilution Factor _____

22 Leachant Replacement Date and Time(d:hr:min) 10/15/99; 9:45

Initial pH of Leachant 2.227

Final pH of Leachate 1.500

Cation Analysis No. T23-017

Dilution Factor _____

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10/15/99

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23 Leachant Replacement Date and Time(d:hr:min) 10/19/99 9:15
Initial pH of Leachant 2.210 Final pH of Leachate 1.388
Cation Analysis No. T24-017 Dilution Factor _____

24 Leachant Replacement Date and Time(d:hr:min) 10/26/99 10:00
Initial pH of Leachant 2.189 Final pH of Leachate 1.262
Cation Analysis No. T25-017 Dilution Factor _____

25 Leachant Replacement Date and Time(d:hr:min) 11/2/99 9:55
Initial pH of Leachant 2.143 Final pH of Leachate 1.264
Cation Analysis No. T26-017 Dilution Factor _____

26 Leachant Replacement Date and Time(d:hr:min) 11/8/99 9:30
Initial pH of Leachant 2.128 Final pH of Leachate 1.282
Cation Analysis No. T27-017 Dilution Factor _____

27 Leachant Replacement Date and Time(d:hr:min) 11/16/99 1:00
Initial pH of Leachant 2.022 Final pH of Leachate 1.191
Cation Analysis No. T28-017 Dilution Factor _____

28 Leachant Replacement Date and Time(d:hr:min) 11/23/99 10:30
Initial pH of Leachant 2.040 Final pH of Leachate 1.130
Cation Analysis No. T29-017 Dilution Factor _____

29 Leachant Replacement Date and Time(d:hr:min) 11/30/99 10:00
Initial pH of Leachant 1.968 Final pH of Leachate 1.133
Cation Analysis No. T30-017 Dilution Factor _____

30 Leachant Replacement Date and Time(d:hr:min) 12/7/99 11:15
Initial pH of Leachant 2.361 Final pH of Leachate 1.217
Cation Analysis No. T31-017 Dilution Factor _____

31 Leachant Replacement Date and Time(d:hr:min) 12/14/99 10:00
Initial pH of Leachant 2.239 Final pH of Leachate 1.185
Cation Analysis No. T32-017 Dilution Factor _____

32 Leachant Replacement Date and Time(d:hr:min) 12/21/99 10:00
Initial pH of Leachant 2.146 Final pH of Leachate 1.213
Cation Analysis No. T33-017 Dilution Factor _____

33 Leachant Replacement Date and Time(d:hr:min) 12/28/99 11:15
Initial pH of Leachant 2.203 Final pH of Leachate 1.160
Cation Analysis No. T34-017 Dilution Factor _____

34 Leachant Replacement Date and Time(d:hr:min) 1/4/00 10:30
Initial pH of Leachant 2.089 Final pH of Leachate 1.176
Cation Analysis No. T35-017 Dilution Factor _____

35 Leachant Replacement Date and Time(d:hr:min) 1/11/00 10:30
Initial pH of Leachant 2.066 Final pH of Leachate 1.134
Cation Analysis No. T36-017 Dilution Factor _____

36 Leachant Replacement Date and Time(d:hr:min) 1/18/00 10:50
Initial pH of Leachant 2.036 Final pH of Leachate 1.117
Cation Analysis No. T37-017 Dilution Factor _____

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37 Leachant Replacement Date and Time(d:hr:min) 1/25/00 10:45
Initial pH of Leachant 1.961 Final pH of Leachate 1.168
Cation Analysis No. T38-017 Dilution Factor _____

38 Leachant Replacement Date and Time(d:hr:min) 2/2/00 3pm
Initial pH of Leachant 1.838 Final pH of Leachate 1.252
Cation Analysis No. T39-017 Dilution Factor _____

39 Leachant Replacement Date and Time(d:hr:min) 2/15/00 10:30
Initial pH of Leachant 1.831 Final pH of Leachate 1.015
Cation Analysis No. T40-017 Dilution Factor _____

40 Leachant Replacement Date and Time(d:hr:min) 2/27/00 2:30pm
Initial pH of Leachant 2.479 Final pH of Leachate 1.009
Cation Analysis No. T41-017 Dilution Factor _____

41 Leachant Replacement Date and Time(d:hr:min) 3/14/00 11:00am
Initial pH of Leachant 2.315 Final pH of Leachate 1.076
Cation Analysis No. T42-017 Dilution Factor _____

42 Leachant Replacement Date and Time(d:hr:min) 3/28/00 10:00am
Initial pH of Leachant 2.114 Final pH of Leachate 1.133
Cation Analysis No. T43-017 Dilution Factor _____

43 Leachant Replacement Date and Time(d:hr:min) 4/11/00 2:00
Initial pH of Leachant 1.961 Final pH of Leachate 1.038
Cation Analysis No. T44-017 Dilution Factor _____

44 Leachant Replacement Date and Time(d:hr:min) 4/25/00 2:00
Initial pH of Leachant 2.030 Final pH of Leachate 1.015
Cation Analysis No. T45-017 Dilution Factor _____

45 Leachant Replacement Date and Time(d:hr:min) 5/9/00 10:30
Initial pH of Leachant 2.013 Final pH of Leachate 1.103
Cation Analysis No. T46-017 Dilution Factor _____

46 Leachant Replacement Date and Time(d:hr:min) 5/23/00 2:00pm
Initial pH of Leachant 1.915 Final pH of Leachate 1.012
Cation Analysis No. T47-017 Dilution Factor _____

47 Leachant Replacement Date and Time(d:hr:min) 6/6/00 10:30
Initial pH of Leachant 1.922 Final pH of Leachate 0.990
Cation Analysis No. T48-017 Dilution Factor _____

48 Leachant Replacement Date and Time(d:hr:min) 6/20/00 1:00pm
Initial pH of Leachant 1.920 Final pH of Leachate 0.982
Cation Analysis No. T49-017 Dilution Factor _____

49 Leachant Replacement Date and Time(d:hr:min) 7/5/00 8:30
Initial pH of Leachant 1.850 Final pH of Leachate 0.956
Cation Analysis No. T50-017 Dilution Factor _____

50 Leachant Replacement Date and Time(d:hr:min) 7/18/00 10:30
Initial pH of Leachant 1.772 Final pH of Leachate 1.042
Cation Analysis No. T51-017 Dilution Factor _____

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6/16/00

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8/11/00

LONG-TERM TEST DATA SHEET

Test ID SRS HF3-T1Vessel ID No. 018Batch Cleaning No. 7-21-99Glass Sample ID SRSSample Weight (g) 2.99962Sample Preparation Date 07-29-99Type of Solution 0.25 M FeCl₃Leachant Volume (ml) 30Initial pH of Leachant 1.339Weight of Empty Vessel (g) 126.94035Weight of Vessel + Sample (g) 129.933602nd Weight of Sample (Difference of the last two items) (g) 2.99325Total Weight of Vessel + Sample + Solution (g) 160.52840Test Temperature 90°CDate and Time Test Started (d:hr:min) 7/29/99; 2:00 PMFinal pH of Leachate 0.886 0.981 8/3/99Cation Analysis No. T1-018

Dilution Factor

1 Leachant Replacement Date and Time(d:hr:min) 8/2/99; 10:40Initial pH of Leachant 1.400Final pH of Leachate 0.774Cation Analysis No. T2-018

Dilution Factor

2 Leachant Replacement Date and Time(d:hr:min) 8/5/99; 9:10Initial pH of Leachant 1.420Final pH of Leachate 0.672Cation Analysis No. T3-018

Dilution Factor

3 Leachant Replacement Date and Time(d:hr:min) 8/9/99; 9:30Initial pH of Leachant 1.285Final pH of Leachate 0.679Cation Analysis No. T4-018

Dilution Factor

4 Leachant Replacement Date and Time(d:hr:min) 8/12/99; 10:00Initial pH of Leachant 1.272Final pH of Leachate 0.880Cation Analysis No. T5-018

Dilution Factor

5 Leachant Replacement Date and Time(d:hr:min) 8/16/99; 9:55Initial pH of Leachant 1.489Final pH of Leachate 0.748Cation Analysis No. T6-018

Dilution Factor

6 Leachant Replacement Date and Time(d:hr:min) 8/19/99; 9:40 8/18/99Initial pH of Leachant 1.488Final pH of Leachate 0.728 0.729Cation Analysis No. T7-018

Dilution Factor

7 Leachant Replacement Date and Time(d:hr:min) 8/23/99; 9:30Initial pH of Leachant 1.443Final pH of Leachate 0.729Cation Analysis No. T8-018

Dilution Factor

8 Leachant Replacement Date and Time(d:hr:min) 8/26/99; 8:50Initial pH of Leachant 1.456Final pH of Leachate 0.761Cation Analysis No. T9-018

Dilution Factor

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8/26/99

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9 Leachant Replacement Date and Time(d:hr:min) 8/2/99; 9:50 8/13/99Initial pH of Leachant 1.477Final pH of Leachate 0.735Cation Analysis No. T10-018

Dilution Factor

10 Leachant Replacement Date and Time(d:hr:min) 9/2/99; 9:30Initial pH of Leachant 1.489Final pH of Leachate 0.754Cation Analysis No. T11-018

Dilution Factor

11 Leachant Replacement Date and Time(d:hr:min) 9/6/99; 12:55Initial pH of Leachant 1.533Final pH of Leachate 0.739Cation Analysis No. T12-018

Dilution Factor

12 Leachant Replacement Date and Time(d:hr:min) 9/9/99; 9:15Initial pH of Leachant 1.484Final pH of Leachate 0.703Cation Analysis No. T13-018

Dilution Factor

13 Leachant Replacement Date and Time(d:hr:min) 9/13/99; 8:45Initial pH of Leachant 1.506Final pH of Leachate 0.760Cation Analysis No. T14-018

Dilution Factor

14 Leachant Replacement Date and Time(d:hr:min) 9/16/99; 4:00Initial pH of Leachant 1.558Final pH of Leachate 0.731Cation Analysis No. T15-018

Dilution Factor

15 Leachant Replacement Date and Time(d:hr:min) 9/20/99; 9:00Initial pH of Leachant 1.548Final pH of Leachate 0.653Cation Analysis No. T16-018

Dilution Factor

16 Leachant Replacement Date and Time(d:hr:min) 9/23/99; 9:00Initial pH of Leachant 1.425Final pH of Leachate 0.644Cation Analysis No. T17-018

Dilution Factor

17 Leachant Replacement Date and Time(d:hr:min) 9/27/99; 9:15Initial pH of Leachant 1.431Final pH of Leachate 0.627Cation Analysis No. T18-018

Dilution Factor

18 Leachant Replacement Date and Time(d:hr:min) 9/30/99; 9:45Initial pH of Leachant 1.433Final pH of Leachate 0.646Cation Analysis No. T19-018

Dilution Factor

19 Leachant Replacement Date and Time(d:hr:min) 10/4/99; 9:00Initial pH of Leachant 1.245Final pH of Leachate 0.657Cation Analysis No. T20-018

Dilution Factor

20 Leachant Replacement Date and Time(d:hr:min) 10/9/99; 9:30Initial pH of Leachant 1.270Final pH of Leachate 0.595Cation Analysis No. T21-018

Dilution Factor

21 Leachant Replacement Date and Time(d:hr:min) 10/12/99; 9:45Initial pH of Leachant 1.347Final pH of Leachate 0.635Cation Analysis No. T22-018

Dilution Factor

22 Leachant Replacement Date and Time(d:hr:min) 10/15/99; 9:45Initial pH of Leachant 1.429Final pH of Leachate 0.638Cation Analysis No. T23-018

Dilution Factor

70 Pa
10/15/99

018

23 Leachant Replacement Date and Time(d:hr:min) 10/19/99 9:15
Initial pH of Leachant 1.392 Final pH of Leachate 0.574
Cation Analysis No. T24-018 Dilution Factor _____

24 Leachant Replacement Date and Time(d:hr:min) 10/26/99 10:00
Initial pH of Leachant 1.464 Final pH of Leachate 0.560
Cation Analysis No. T25-018 Dilution Factor _____

25 Leachant Replacement Date and Time(d:hr:min) 11/2/99 9:55
Initial pH of Leachant 1.419 Final pH of Leachate 0.582
Cation Analysis No. T26-018 Dilution Factor _____

26 Leachant Replacement Date and Time(d:hr:min) 11/9/99 9:30
Initial pH of Leachant 1.449 Final pH of Leachate 0.560
Cation Analysis No. T27-018 Dilution Factor _____

27 Leachant Replacement Date and Time(d:hr:min) 11/16/99 1:00
Initial pH of Leachant 1.363 Final pH of Leachate 0.510
Cation Analysis No. T28-018 Dilution Factor _____

28 Leachant Replacement Date and Time(d:hr:min) 11/23/99 10:30
Initial pH of Leachant 1.400 Final pH of Leachate 0.480
Cation Analysis No. T29-018 Dilution Factor _____

29 Leachant Replacement Date and Time(d:hr:min) 11/30/99 10:00
Initial pH of Leachant 1.362 Final pH of Leachate 0.611
Cation Analysis No. T30-018 Dilution Factor _____

30 Leachant Replacement Date and Time(d:hr:min) 12/7/99 11:15
Initial pH of Leachant 1.412 Final pH of Leachate 0.561
Cation Analysis No. T31-018 Dilution Factor _____

31 Leachant Replacement Date and Time(d:hr:min) 12/14/99 10:00
Initial pH of Leachant 1.432 Final pH of Leachate 0.560
Cation Analysis No. T32-018 Dilution Factor _____

32 Leachant Replacement Date and Time(d:hr:min) 12/21/99 10:00
Initial pH of Leachant 1.375 Final pH of Leachate 0.541
Cation Analysis No. T33-018 Dilution Factor _____

33 Leachant Replacement Date and Time(d:hr:min) 12/28/99 11:15
Initial pH of Leachant 1.435 Final pH of Leachate 0.469
Cation Analysis No. T34-018 Dilution Factor _____

34 Leachant Replacement Date and Time(d:hr:min) 1/4/00 10:30
Initial pH of Leachant 1.413 Final pH of Leachate 0.552
Cation Analysis No. T35-018 Dilution Factor _____

35 Leachant Replacement Date and Time(d:hr:min) 1/11/00 10:30
Initial pH of Leachant 1.405 Final pH of Leachate 0.665
Cation Analysis No. T36-018 Dilution Factor _____

36 Leachant Replacement Date and Time(d:hr:min) 1/18/00 10:50
Initial pH of Leachant 1.409 Final pH of Leachate 0.536
Cation Analysis No. T37-018 Dilution Factor _____

J.P.
1/18/00

018

37 Leachant Replacement Date and Time(d:hr:min) 1/25/00 10:45
Initial pH of Leachant 1.369 Final pH of Leachate 0.813
Cation Analysis No. T38-018 Dilution Factor _____

38 Leachant Replacement Date and Time(d:hr:min) 2/2/00 3pm
Initial pH of Leachant 1.323 Final pH of Leachate 0.948
Cation Analysis No. T39-018 Dilution Factor _____

39 Leachant Replacement Date and Time(d:hr:min) 2/15/00 10:30
Initial pH of Leachant 1.301 Final pH of Leachate 0.539
Cation Analysis No. T40-018 Dilution Factor _____

40 Leachant Replacement Date and Time(d:hr:min) 2/27/00 2:30pm
Initial pH of Leachant 1.403 Final pH of Leachate 0.559
Cation Analysis No. T41-018 Dilution Factor _____

41 Leachant Replacement Date and Time(d:hr:min) 3/14/00 11:00am
Initial pH of Leachant 1.416 Final pH of Leachate 0.499
Cation Analysis No. T42-018 Dilution Factor _____

42 Leachant Replacement Date and Time(d:hr:min) 3/28/00 10:00am
Initial pH of Leachant 1.360 Final pH of Leachate 0.503
Cation Analysis No. T43-018 Dilution Factor _____

43 Leachant Replacement Date and Time(d:hr:min) 4/11/00 2:00 pm
Initial pH of Leachant 1.378 Final pH of Leachate 0.495
Cation Analysis No. T44-018 Dilution Factor _____

44 Leachant Replacement Date and Time(d:hr:min) 4/25/00 2:00 pm
Initial pH of Leachant 1.442 Final pH of Leachate 0.592
Cation Analysis No. T45-018 Dilution Factor _____

45 Leachant Replacement Date and Time(d:hr:min) 5/9/00 10:30
Initial pH of Leachant 1.443 Final pH of Leachate 0.522
Cation Analysis No. T46-018 Dilution Factor _____

46 Leachant Replacement Date and Time(d:hr:min) 5/23/00 2:00pm
Initial pH of Leachant 1.387 Final pH of Leachate 0.472
Cation Analysis No. T47-018 Dilution Factor _____

47 Leachant Replacement Date and Time(d:hr:min) 6/6/00 10:30
Initial pH of Leachant 1.399 Final pH of Leachate 0.481
Cation Analysis No. T48-018 Dilution Factor _____

48 Leachant Replacement Date and Time(d:hr:min) 6/20/00 1:00pm
Initial pH of Leachant 1.401 Final pH of Leachate 0.481
Cation Analysis No. T49-018 Dilution Factor _____

49 Leachant Replacement Date and Time(d:hr:min) 7/5/00 8:30
Initial pH of Leachant 1.385 Final pH of Leachate 0.462
Cation Analysis No. T50-018 Dilution Factor _____

50 Leachant Replacement Date and Time(d:hr:min) 7/18/00 10:30
Initial pH of Leachant 1.335 Final pH of Leachate 0.508
Cation Analysis No. T51-018 Dilution Factor _____

J.P.
8/11/00

LONG-TERM TEST DATA SHEET

Test ID SRSHF3-T2Vessel ID No. 019Batch Cleaning No. 7-21-99Glass Sample ID SRSSample Weight (g) 2.99989Sample Preparation Date 07-29-99Type of Solution 0.25 M FeCl₃Leachant Volume (ml) 80Initial pH of Leachant 1.339Weight of Empty Vessel (g) 126.92455Weight of Vessel + Sample (g) 129.938852nd Weight of Sample (Difference of the last two items) (g) 3.0143Total Weight of Vessel + Sample + Solution (g) 160.49685Test Temperature 90°CDate and Time Test Started (d:hr:min) 7/29/99; 2:00 PMFinal pH of Leachate 0.900 0.952Cation Analysis No. T1-019

Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 8/2/99; 10:40Initial pH of Leachant 1.400Final pH of Leachate 0.752Cation Analysis No. T2-019

Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 8/5/99; 9:10Initial pH of Leachant 1.420Final pH of Leachate 0.672Cation Analysis No. T3-019

Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 8/9/99; 9:30Initial pH of Leachant 1.285Final pH of Leachate 0.670Cation Analysis No. T4-019

Dilution Factor _____

4 Leachant Replacement Date and Time(d:hr:min) 8/12/99; 10:00Initial pH of Leachant 1.272Final pH of Leachate 0.880Cation Analysis No. T5-019

Dilution Factor _____

5 Leachant Replacement Date and Time(d:hr:min) 8/16/99; 9:55Initial pH of Leachant 1.484Final pH of Leachate 0.742Cation Analysis No. T6-019

Dilution Factor _____

6 Leachant Replacement Date and Time(d:hr:min) 8/19/99; 9:40Initial pH of Leachant 1.488Final pH of Leachate 0.729 0.734Cation Analysis No. T7-019

Dilution Factor _____

7 Leachant Replacement Date and Time(d:hr:min) 8/23/99; 9:30Initial pH of Leachant 1.443Final pH of Leachate 0.725Cation Analysis No. T8-019

Dilution Factor _____

8 Leachant Replacement Date and Time(d:hr:min) 8/26/99; 8:50Initial pH of Leachant 1.456Final pH of Leachate 0.696Cation Analysis No. T9-019

Dilution Factor _____

gjs Pa
8/26/99

019

9 Leachant Replacement Date and Time(d:hr:min) 8/30/99; 9:50Initial pH of Leachant 1.477Final pH of Leachate 0.737Cation Analysis No. T10-019

Dilution Factor _____

10 Leachant Replacement Date and Time(d:hr:min) 9/2/99; 9:30Initial pH of Leachant 1.489Final pH of Leachate 0.750Cation Analysis No. T11-019

Dilution Factor _____

11 Leachant Replacement Date and Time(d:hr:min) 9/6/99; 12:55Initial pH of Leachant 1.533Final pH of Leachate 0.730Cation Analysis No. T12-019

Dilution Factor _____

12 Leachant Replacement Date and Time(d:hr:min) 9/9/99; 9:15Initial pH of Leachant 1.484Final pH of Leachate 0.701Cation Analysis No. T13-019

Dilution Factor _____

13 Leachant Replacement Date and Time(d:hr:min) 9/13/99; 8:45Initial pH of Leachant 1.506Final pH of Leachate 0.753Cation Analysis No. T14-019

Dilution Factor _____

14 Leachant Replacement Date and Time(d:hr:min) 9/16/99; 9:00Initial pH of Leachant 1.558Final pH of Leachate 0.729Cation Analysis No. T15-019

Dilution Factor _____

15 Leachant Replacement Date and Time(d:hr:min) 9/20/99; 9:00Initial pH of Leachant 1.545Final pH of Leachate 0.651Cation Analysis No. T16-019

Dilution Factor _____

16 Leachant Replacement Date and Time(d:hr:min) 9/23/99; 9:00Initial pH of Leachant 1.425Final pH of Leachate 0.639Cation Analysis No. T17-019

Dilution Factor _____

17 Leachant Replacement Date and Time(d:hr:min) 9/27/99; 9:15Initial pH of Leachant 1.431Final pH of Leachate 0.628Cation Analysis No. T18-019

Dilution Factor _____

18 Leachant Replacement Date and Time(d:hr:min) 9/30/99; 9:45Initial pH of Leachant 1.433Final pH of Leachate 0.653Cation Analysis No. T19-019

Dilution Factor _____

19 Leachant Replacement Date and Time(d:hr:min) 10/4/99; 9:00Initial pH of Leachant 1.245Final pH of Leachate 0.655Cation Analysis No. T20-019

Dilution Factor _____

20 Leachant Replacement Date and Time(d:hr:min) 10/8/99; 9:30Initial pH of Leachant 1.270Final pH of Leachate 0.589Cation Analysis No. T21-019

Dilution Factor _____

21 Leachant Replacement Date and Time(d:hr:min) 10/12/99; 9:45Initial pH of Leachant 1.347Final pH of Leachate 0.618Cation Analysis No. T22-019

Dilution Factor _____

22 Leachant Replacement Date and Time(d:hr:min) 10/15/99; 9:45Initial pH of Leachant 1.429Final pH of Leachate 0.617Cation Analysis No. T23-019

Dilution Factor _____

gjs Pa
10/15/99

019

23 Leachant Replacement Date and Time(d:hr:min) 10/19/99 9:15
Initial pH of Leachant 1.392 Final pH of Leachate 0.575
Cation Analysis No. T24-019 Dilution Factor _____

24 Leachant Replacement Date and Time(d:hr:min) 10/26/99 10:00
Initial pH of Leachant 1.464 Final pH of Leachate 0.545
Cation Analysis No. T25-019 Dilution Factor _____

25 Leachant Replacement Date and Time(d:hr:min) 11/2/99 9:55
Initial pH of Leachant 1.419 Final pH of Leachate 0.565
Cation Analysis No. T26-019 Dilution Factor _____

26 Leachant Replacement Date and Time(d:hr:min) 11/9/99 9:30
Initial pH of Leachant 1.449 Final pH of Leachate 0.554
Cation Analysis No. T27-019 Dilution Factor _____

27 Leachant Replacement Date and Time(d:hr:min) 11/16/99 1:00
Initial pH of Leachant 1.363 Final pH of Leachate 0.500
Cation Analysis No. T28-019 Dilution Factor _____

28 Leachant Replacement Date and Time(d:hr:min) 11/23/99 10:30
Initial pH of Leachant 1.400 Final pH of Leachate 0.465
Cation Analysis No. T29-019 Dilution Factor _____

29 Leachant Replacement Date and Time(d:hr:min) 11/30/99 10:00
Initial pH of Leachant 1.362 Final pH of Leachate 0.638
Cation Analysis No. T30-019 Dilution Factor _____

30 Leachant Replacement Date and Time(d:hr:min) 12/7/99 11:15
Initial pH of Leachant 1.412 Final pH of Leachate 0.562
Cation Analysis No. T31-019 Dilution Factor _____

31 Leachant Replacement Date and Time(d:hr:min) 12/14/99 10:00
Initial pH of Leachant 1.432 Final pH of Leachate 0.549
Cation Analysis No. T32-019 Dilution Factor _____

32 Leachant Replacement Date and Time(d:hr:min) 12/21/99 10:00
Initial pH of Leachant 1.375 Final pH of Leachate 0.501
Cation Analysis No. T33-019 Dilution Factor _____

33 Leachant Replacement Date and Time(d:hr:min) 12/28/99 11:15
Initial pH of Leachant 1.435 Final pH of Leachate 0.455
Cation Analysis No. T34-019 Dilution Factor _____

34 Leachant Replacement Date and Time(d:hr:min) 1/4/00 10:30
Initial pH of Leachant 1.413 Final pH of Leachate 0.487
Cation Analysis No. T35-019 Dilution Factor _____

35 Leachant Replacement Date and Time(d:hr:min) 1/11/00 10:30
Initial pH of Leachant 1.405 Final pH of Leachate 0.985
Cation Analysis No. T36-019 Dilution Factor _____

36 Leachant Replacement Date and Time(d:hr:min) 1/18/00 10:50
Initial pH of Leachant 1.409 Final pH of Leachate 0.541
Cation Analysis No. T37-019 Dilution Factor _____

Y. J. Pan
1/18/00

019

37 Leachant Replacement Date and Time(d:hr:min) 1/25/00 10:45
Initial pH of Leachant 1.369 Final pH of Leachate 0.686
Cation Analysis No. T38-019 Dilution Factor _____

38 Leachant Replacement Date and Time(d:hr:min) 2/2/00 3pm
Initial pH of Leachant 1.323 Final pH of Leachate 0.643
Cation Analysis No. T39-019 Dilution Factor _____

39 Leachant Replacement Date and Time(d:hr:min) 2/15/00 10:30
Initial pH of Leachant 1.301 Final pH of Leachate 0.552
Cation Analysis No. T40-019 Dilution Factor _____

40 Leachant Replacement Date and Time(d:hr:min) 2/29/00 2:30pm
Initial pH of Leachant 1.403 Final pH of Leachate 1.230
Cation Analysis No. T41-019 Dilution Factor _____

41 Leachant Replacement Date and Time(d:hr:min) 3/19/00 11:00am
Initial pH of Leachant 1.416 Final pH of Leachate 0.498
Cation Analysis No. T42-019 Dilution Factor _____

42 Leachant Replacement Date and Time(d:hr:min) 3/28/00 10:00am
Initial pH of Leachant 1.360 Final pH of Leachate 0.522
Cation Analysis No. T43-019 Dilution Factor _____

43 Leachant Replacement Date and Time(d:hr:min) 4/11/00 2:00pm
Initial pH of Leachant 1.378 Final pH of Leachate 0.572
Cation Analysis No. T44-019 Dilution Factor _____

44 Leachant Replacement Date and Time(d:hr:min) 4/25/00 2:00pm
Initial pH of Leachant 1.442 Final pH of Leachate 0.494
Cation Analysis No. T45-019 Dilution Factor _____

45 Leachant Replacement Date and Time(d:hr:min) 5/9/00 10:30
Initial pH of Leachant 1.443 Final pH of Leachate 0.492
Cation Analysis No. T46-019 Dilution Factor _____

46 Leachant Replacement Date and Time(d:hr:min) 5/23/00 2:00pm
Initial pH of Leachant 1.387 Final pH of Leachate 0.495
Cation Analysis No. T47-019 Dilution Factor _____

47 Leachant Replacement Date and Time(d:hr:min) 6/6/00 10:30
Initial pH of Leachant 1.399 Final pH of Leachate 0.475
Cation Analysis No. T48-019 Dilution Factor _____

48 Leachant Replacement Date and Time(d:hr:min) 6/20/00 1:00pm
Initial pH of Leachant 1.401 Final pH of Leachate 0.471
Cation Analysis No. T49-019 Dilution Factor _____

49 Leachant Replacement Date and Time(d:hr:min) 7/5/00 8:30
Initial pH of Leachant 1.385 Final pH of Leachate 0.454
Cation Analysis No. T50-019 Dilution Factor _____

50 Leachant Replacement Date and Time(d:hr:min) 7/18/00 10:30
Initial pH of Leachant 1.335 Final pH of Leachate 0.479
Cation Analysis No. T51-019 Dilution Factor _____

Y. J. Pan
8/11/00

LONG-TERM TEST DATA SHEET

Test ID SRS HF3-T3Vessel ID No. 020Batch Cleaning No. 7-21-99Glass Sample ID SRSSample Weight (g) 2.99960Sample Preparation Date 07-29-99Type of Solution 0.25 M FeCl₃Leachant Volume (ml) 30Initial pH of Leachant 1.339Weight of Empty Vessel (g) 126.66425Weight of Vessel + Sample (g) 129.686852nd Weight of Sample (Difference of the last two items) (g) 3.0226Total Weight of Vessel + Sample + Solution (g) 160.38680Test Temperature 90°CDate and Time Test Started (d:hr:min) 7/29/99; 2:00 PMFinal pH of Leachate 0.869 0.956 8/2/99Cation Analysis No. T1-020

Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 8/2/99; 10:40Initial pH of Leachant 1.400Final pH of Leachate 0.761Cation Analysis No. T2-020

Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 8/5/99; 9:10Initial pH of Leachant 1.420Final pH of Leachate 0.670Cation Analysis No. T3-020

Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 8/9/99; 9:30Initial pH of Leachant 1.285Final pH of Leachate 0.683Cation Analysis No. T4-020

Dilution Factor _____

4 Leachant Replacement Date and Time(d:hr:min) 8/12/99; 10:00Initial pH of Leachant 1.272Final pH of Leachate 0.834Cation Analysis No. T5-020

Dilution Factor _____

5 Leachant Replacement Date and Time(d:hr:min) 8/16/99; 9:55Initial pH of Leachant 1.484Final pH of Leachate 0.729Cation Analysis No. T6-020

Dilution Factor _____

6 Leachant Replacement Date and Time(d:hr:min) 8/19/99; 9:40Initial pH of Leachant 1.488Final pH of Leachate 0.738Cation Analysis No. T7-020

Dilution Factor _____

7 Leachant Replacement Date and Time(d:hr:min) 8/23/99; 9:30Initial pH of Leachant 1.443Final pH of Leachate 0.722Cation Analysis No. T8-020

Dilution Factor _____

8 Leachant Replacement Date and Time(d:hr:min) 8/26/99; 8:50Initial pH of Leachant 1.456Final pH of Leachate 0.738Cation Analysis No. T9-020

Dilution Factor _____

gob Pan
8/26/99

020

9 Leachant Replacement Date and Time(d:hr:min) 8/30/99; 9:50Initial pH of Leachant 1.477Final pH of Leachate 0.734Cation Analysis No. T10-020

Dilution Factor _____

10 Leachant Replacement Date and Time(d:hr:min) 9/2/99; 9:30Initial pH of Leachant 1.489Final pH of Leachate 0.752Cation Analysis No. T11-020

Dilution Factor _____

11 Leachant Replacement Date and Time(d:hr:min) 9/6/99; 12:55Initial pH of Leachant 1.533Final pH of Leachate 0.723Cation Analysis No. T12-020

Dilution Factor _____

12 Leachant Replacement Date and Time(d:hr:min) 9/9/99; 9:15Initial pH of Leachant 1.484Final pH of Leachate 0.697Cation Analysis No. T13-020

Dilution Factor _____

13 Leachant Replacement Date and Time(d:hr:min) 9/13/99; 8:45Initial pH of Leachant 1.506Final pH of Leachate 0.756Cation Analysis No. T14-020

Dilution Factor _____

14 Leachant Replacement Date and Time(d:hr:min) 9/16/99; 9:00Initial pH of Leachant 1.558Final pH of Leachate 0.727Cation Analysis No. T15-020

Dilution Factor _____

15 Leachant Replacement Date and Time(d:hr:min) 9/20/99; 9:00Initial pH of Leachant 1.545Final pH of Leachate 0.653Cation Analysis No. T16-021

Dilution Factor _____

16 Leachant Replacement Date and Time(d:hr:min) 9/23/99; 9:00Initial pH of Leachant 1.425Final pH of Leachate 0.632Cation Analysis No. T17-021

Dilution Factor _____

17 Leachant Replacement Date and Time(d:hr:min) 9/27/99; 9:00Initial pH of Leachant 1.431Final pH of Leachate 0.622Cation Analysis No. T18-031

Dilution Factor _____

18 Leachant Replacement Date and Time(d:hr:min) 9/30/99; 9:45Initial pH of Leachant 1.433Final pH of Leachate 0.629Cation Analysis No. T19-020

Dilution Factor _____

19 Leachant Replacement Date and Time(d:hr:min) 10/4/99; 9:00Initial pH of Leachant 1.245Final pH of Leachate 0.664Cation Analysis No. T20-020

Dilution Factor _____

20 Leachant Replacement Date and Time(d:hr:min) 10/8/99; 9:30Initial pH of Leachant 1.270Final pH of Leachate 0.620Cation Analysis No. T21-020

Dilution Factor _____

21 Leachant Replacement Date and Time(d:hr:min) 10/12/99; 9:45Initial pH of Leachant 1.347Final pH of Leachate 0.629Cation Analysis No. T22-020

Dilution Factor _____

22 Leachant Replacement Date and Time(d:hr:min) 10/15/99; 9:45Initial pH of Leachant 1.429Final pH of Leachate 0.626Cation Analysis No. T23-020

Dilution Factor _____

gob Pan
10/15/99

020

23 Leachant Replacement Date and Time(d:hr:min) 10/19/99 9:15
Initial pH of Leachant 1.392 Final pH of Leachate 0.568
Cation Analysis No. T24-020 Dilution Factor _____

24 Leachant Replacement Date and Time(d:hr:min) 10/26/99 10:00
Initial pH of Leachant 1.469 Final pH of Leachate 0.541
Cation Analysis No. T25-020 Dilution Factor _____

25 Leachant Replacement Date and Time(d:hr:min) 11/2/99 9:55
Initial pH of Leachant 1.419 Final pH of Leachate 0.563
Cation Analysis No. T26-020 Dilution Factor _____

26 Leachant Replacement Date and Time(d:hr:min) 11/9/99 9:30
Initial pH of Leachant 1.449 Final pH of Leachate 0.543
Cation Analysis No. T27-020 Dilution Factor _____

27 Leachant Replacement Date and Time(d:hr:min) 11/16/99 1:00
Initial pH of Leachant 1.363 Final pH of Leachate 0.521
Cation Analysis No. T28-020 Dilution Factor _____

28 Leachant Replacement Date and Time(d:hr:min) 11/23/99 10:30
Initial pH of Leachant 1.400 Final pH of Leachate 0.472
Cation Analysis No. T28-020 T29-020 Dilution Factor _____

29 Leachant Replacement Date and Time(d:hr:min) 11/30/99 10:00
Initial pH of Leachant 1.362 Final pH of Leachate 0.513
Cation Analysis No. T28-020 T30-020 Dilution Factor _____

30 Leachant Replacement Date and Time(d:hr:min) 12/7/99 11:15
Initial pH of Leachant 1.412 Final pH of Leachate 0.564
Cation Analysis No. T28-020 T31-020 Dilution Factor _____

31 Leachant Replacement Date and Time(d:hr:min) 12/14/99 10:00
Initial pH of Leachant 1.432 Final pH of Leachate 0.537
Cation Analysis No. T32-020 Dilution Factor _____

32 Leachant Replacement Date and Time(d:hr:min) 12/21/99 10:00
Initial pH of Leachant 1.375 Final pH of Leachate 0.507
Cation Analysis No. T33-020 Dilution Factor _____

33 Leachant Replacement Date and Time(d:hr:min) 12/28/99 11:15
Initial pH of Leachant 1.435 Final pH of Leachate 0.468
Cation Analysis No. T34-020 Dilution Factor _____

34 Leachant Replacement Date and Time(d:hr:min) 1/4/00 10:30
Initial pH of Leachant 1.413 Final pH of Leachate 0.489
Cation Analysis No. T35-020 Dilution Factor _____

35 Leachant Replacement Date and Time(d:hr:min) 1/11/00 10:30
Initial pH of Leachant 1.405 Final pH of Leachate 0.579
Cation Analysis No. T36-020 Dilution Factor _____

36 Leachant Replacement Date and Time(d:hr:min) 1/18/00
Initial pH of Leachant 1.409 Final pH of Leachate 0.503
Cation Analysis No. T37-020 Dilution Factor _____

g. Par
8/18/00

020

37 Leachant Replacement Date and Time(d:hr:min) 1/25/00 10:45
Initial pH of Leachant 1.369 Final pH of Leachate 0.574
Cation Analysis No. T38-020 Dilution Factor _____

38 Leachant Replacement Date and Time(d:hr:min) 2/2/00 3pm
Initial pH of Leachant 1.323 Final pH of Leachate 0.583
Cation Analysis No. T39-020 Dilution Factor _____

39 Leachant Replacement Date and Time(d:hr:min) 2/15/00 10:30
Initial pH of Leachant 1.301 Final pH of Leachate 0.490
Cation Analysis No. T40-020 Dilution Factor _____

40 Leachant Replacement Date and Time(d:hr:min) 2/29/00 2:30pm
Initial pH of Leachant 1.403 Final pH of Leachate 0.630
Cation Analysis No. T41-020 Dilution Factor _____

41 Leachant Replacement Date and Time(d:hr:min) 3/14/00 11:00am
Initial pH of Leachant 1.416 Final pH of Leachate 0.555
Cation Analysis No. T42-020 Dilution Factor _____

42 Leachant Replacement Date and Time(d:hr:min) 3/28/00 10:00am
Initial pH of Leachant 1.360 Final pH of Leachate 0.544
Cation Analysis No. T42-020 Dilution Factor _____

43 Leachant Replacement Date and Time(d:hr:min) 4/1/00 2:00pm
Initial pH of Leachant 1.378 Final pH of Leachate 0.460
Cation Analysis No. T44-020 Dilution Factor _____

44 Leachant Replacement Date and Time(d:hr:min) 4/25/00 2:00pm
Initial pH of Leachant 1.442 Final pH of Leachate 0.497
Cation Analysis No. T45-020 Dilution Factor _____

45 Leachant Replacement Date and Time(d:hr:min) 5/9/00 10:30
Initial pH of Leachant 1.443 Final pH of Leachate 0.502
Cation Analysis No. T46-020 Dilution Factor _____

46 Leachant Replacement Date and Time(d:hr:min) 5/23/00 2:00pm
Initial pH of Leachant 1.387 Final pH of Leachate 0.465
Cation Analysis No. T47-020 Dilution Factor _____

47 Leachant Replacement Date and Time(d:hr:min) 6/6/00 10:30
Initial pH of Leachant 1.399 Final pH of Leachate 0.470
Cation Analysis No. T48-020 Dilution Factor _____

48 Leachant Replacement Date and Time(d:hr:min) 6/20/00 1:00pm
Initial pH of Leachant 1.401 Final pH of Leachate 0.447
Cation Analysis No. T49-020 Dilution Factor _____

49 Leachant Replacement Date and Time(d:hr:min) 7/5/00 8:30
Initial pH of Leachant 1.385 Final pH of Leachate 0.448
Cation Analysis No. T50-020 Dilution Factor _____

50 Leachant Replacement Date and Time(d:hr:min) 7/18/00 10:30
Initial pH of Leachant 1.335 Final pH of Leachate 0.486
Cation Analysis No. T51-020 Dilution Factor _____

g. Par
6/6/00

g. Par
8/11/00

LONG-TERM TEST DATA SHEET

Test ID WVNSHF3-T1

Vessel ID No. 021

Batch Cleaning No. 7-21-99

Glass Sample ID WVNS

Sample Weight (g) 2.99976

Sample Preparation Date 07-29-99

Type of Solution 0.25 M FeCl₃

Leachant Volume (ml) 30

Initial pH of Leachant 1.339

Weight of Empty Vessel (g) 126.84230

Weight of Vessel + Sample (g) 129.84160

2nd Weight of Sample (Difference of the last two items) (g) 2.9993

Total Weight of Vessel + Sample + Solution (g) 160.56130

Test Temperature 90°C

Date and Time Test Started (d:hr:min) 7/29/99; 2:00PM

Final pH of Leachate 1.883

Cation Analysis No. T1-021

Dilution Factor

1 Leachant Replacement Date and Time(d:hr:min) 8/2/99; 10:40

Initial pH of Leachant 1.400

Cation Analysis No. T2-021

Final pH of Leachate 0.992

Dilution Factor

2 Leachant Replacement Date and Time(d:hr:min) 8/5/99; 9:10

Initial pH of Leachant 1.420

Cation Analysis No. T3-021

Final pH of Leachate 0.663

Dilution Factor

3 Leachant Replacement Date and Time(d:hr:min) 8/9/99; 9:30

Initial pH of Leachant 1.285

Cation Analysis No. T4-021

Final pH of Leachate 0.650

Dilution Factor

4 Leachant Replacement Date and Time(d:hr:min) 8/12/99; 10:00

Initial pH of Leachant 1.272

Cation Analysis No. T5-021

Final pH of Leachate 0.794

Dilution Factor

5 Leachant Replacement Date and Time(d:hr:min) 8/16/99; 9:55

Initial pH of Leachant 1.484

Cation Analysis No. T6-021

Final pH of Leachate 0.734

Dilution Factor

6 Leachant Replacement Date and Time(d:hr:min) 8/19/99; 9:40

Initial pH of Leachant 1.488

Cation Analysis No. T7-021

Final pH of Leachate 0.733

Dilution Factor

7 Leachant Replacement Date and Time(d:hr:min) 8/23/99; 9:30

Initial pH of Leachant 1.443

Cation Analysis No. T8-021

Final pH of Leachate 0.741

Dilution Factor

8 Leachant Replacement Date and Time(d:hr:min) 8/26/99; 9:50

Initial pH of Leachant 1.456

Cation Analysis No. T9-021

Final pH of Leachate 0.743

Dilution Factor

JP
8/26/99

021

9 Leachant Replacement Date and Time(d:hr:min) 8/30/99; 9:50

Initial pH of Leachant 1.477

Cation Analysis No. T10-021

Final pH of Leachate 0.753

Dilution Factor

10 Leachant Replacement Date and Time(d:hr:min) 9/2/99; 9:30

Initial pH of Leachant 1.489

Cation Analysis No. T11-021

Final pH of Leachate 0.781

Dilution Factor

11 Leachant Replacement Date and Time(d:hr:min) 9/6/99; 12:15

Initial pH of Leachant 1.533

Cation Analysis No. T12-021

Final pH of Leachate 0.762

Dilution Factor

12 Leachant Replacement Date and Time(d:hr:min) 9/9/99; 9:15

Initial pH of Leachant 1.484

Cation Analysis No. T13-021

Final pH of Leachate 0.736

Dilution Factor

13 Leachant Replacement Date and Time(d:hr:min) 9/13/99; 8:45

Initial pH of Leachant 1.506

Cation Analysis No. T14-021

Final pH of Leachate 0.792

Dilution Factor

14 Leachant Replacement Date and Time(d:hr:min) 9/16/99; 9:00

Initial pH of Leachant 1.558

Cation Analysis No. T15-021

Final pH of Leachate 0.772

Dilution Factor

15 Leachant Replacement Date and Time(d:hr:min) 9/20/99; 9:00

Initial pH of Leachant 1.545

Cation Analysis No. T16-021

Final pH of Leachate 0.699

Dilution Factor

16 Leachant Replacement Date and Time(d:hr:min) 9/23/99; 9:00

Initial pH of Leachant 1.425

Cation Analysis No. T17-021

Final pH of Leachate 0.687

Dilution Factor

17 Leachant Replacement Date and Time(d:hr:min) 9/27/99; 9:15

Initial pH of Leachant 1.431

Cation Analysis No. T18-021

Final pH of Leachate 0.690

Dilution Factor

18 Leachant Replacement Date and Time(d:hr:min) 9/30/99; 9:15

Initial pH of Leachant 1.433

Cation Analysis No. T19-021

Final pH of Leachate 0.684

Dilution Factor

19 Leachant Replacement Date and Time(d:hr:min) 10/4/99; 9:00

Initial pH of Leachant 1.245

Cation Analysis No. T20-021

Final pH of Leachate 0.724

Dilution Factor

20 Leachant Replacement Date and Time(d:hr:min) 10/8/99; 9:30

Initial pH of Leachant 1.270

Cation Analysis No. T21-021

Final pH of Leachate 0.681

Dilution Factor

21 Leachant Replacement Date and Time(d:hr:min) 10/12/99; 9:45

Initial pH of Leachant 1.347

Cation Analysis No. T22-021

Final pH of Leachate 0.699

Dilution Factor

22 Leachant Replacement Date and Time(d:hr:min) 10/15/99; 9:45

Initial pH of Leachant 1.429

Cation Analysis No. T23-021

Final pH of Leachate 0.694

Dilution Factor

JP
10/15/99

021

23 Leachant Replacement Date and Time(d:hr:min) 10/19/99 9:15
Initial pH of Leachant 1.392 Final pH of Leachate 0.700
Cation Analysis No. T24-021 Dilution Factor _____

24 Leachant Replacement Date and Time(d:hr:min) 10/26/99 10:00
Initial pH of Leachant 1.464 Final pH of Leachate 0.615
Cation Analysis No. T25-021 Dilution Factor _____

25 Leachant Replacement Date and Time(d:hr:min) 11/2/99 9:55
Initial pH of Leachant 1.419 Final pH of Leachate 0.655
Cation Analysis No. T26-021 Dilution Factor _____

26 Leachant Replacement Date and Time(d:hr:min) 11/9/99 9:30
Initial pH of Leachant 1.449 Final pH of Leachate 0.644
Cation Analysis No. T27-021 Dilution Factor _____

27 Leachant Replacement Date and Time(d:hr:min) 11/16/99 1:00
Initial pH of Leachant 1.363 Final pH of Leachate 0.605
Cation Analysis No. T28-021 Dilution Factor _____

28 Leachant Replacement Date and Time(d:hr:min) 11/23/99 10:30
Initial pH of Leachant 1.400 Final pH of Leachate 0.595
Cation Analysis No. T29-021 Dilution Factor _____

29 Leachant Replacement Date and Time(d:hr:min) 11/30/99 10:00
Initial pH of Leachant 1.362 Final pH of Leachate 0.877
Cation Analysis No. T30-021 Dilution Factor _____

30 Leachant Replacement Date and Time(d:hr:min) 12/7/99 11:15
Initial pH of Leachant 1.412 Final pH of Leachate 0.693
Cation Analysis No. T31-021 Dilution Factor _____

31 Leachant Replacement Date and Time(d:hr:min) 12/14/99 10:00
Initial pH of Leachant 1.432 Final pH of Leachate 0.632
Cation Analysis No. T32-021 Dilution Factor _____

32 Leachant Replacement Date and Time(d:hr:min) 12/21/99 10:00
Initial pH of Leachant 1.375 Final pH of Leachate 0.622
Cation Analysis No. T33-021 Dilution Factor _____

33 Leachant Replacement Date and Time(d:hr:min) 12/28/99 11:15
Initial pH of Leachant 1.435 Final pH of Leachate 0.555
Cation Analysis No. T34-021 Dilution Factor _____

34 Leachant Replacement Date and Time(d:hr:min) 1/4/00 10:30
Initial pH of Leachant 1.413 Final pH of Leachate 0.576
Cation Analysis No. T35-021 Dilution Factor _____

35 Leachant Replacement Date and Time(d:hr:min) 1/11/00 10:30
Initial pH of Leachant 1.405 Final pH of Leachate 0.707
Cation Analysis No. T36-021 Dilution Factor _____

36 Leachant Replacement Date and Time(d:hr:min) 1/18/00 10:50
Initial pH of Leachant 1.409 Final pH of Leachate 0.559
Cation Analysis No. T37-021 Dilution Factor _____

J.P.
1/18/00

021

37 Leachant Replacement Date and Time(d:hr:min) 1/25/00 10:45
Initial pH of Leachant 1.369 Final pH of Leachate 0.667
Cation Analysis No. T38-021 Dilution Factor _____

38 Leachant Replacement Date and Time(d:hr:min) 2/2/00 3pm
Initial pH of Leachant 1.323 Final pH of Leachate 0.586
Cation Analysis No. T39-021 Dilution Factor _____

39 Leachant Replacement Date and Time(d:hr:min) 2/15/00 10:30
Initial pH of Leachant 1.301 Final pH of Leachate 0.614
Cation Analysis No. T40-021 Dilution Factor _____

40 Leachant Replacement Date and Time(d:hr:min) 2/29/00 2:30pm
Initial pH of Leachant 1.403 Final pH of Leachate 1.030
Cation Analysis No. T41-021 Dilution Factor _____

41 Leachant Replacement Date and Time(d:hr:min) 3/19/00 11:00am
Initial pH of Leachant 1.416 Final pH of Leachate 0.575
Cation Analysis No. T42-021 Dilution Factor _____

42 Leachant Replacement Date and Time(d:hr:min) 3/28/00 10:00am
Initial pH of Leachant 1.360 Final pH of Leachate 0.523
Cation Analysis No. T43-021 Dilution Factor _____

43 Leachant Replacement Date and Time(d:hr:min) 4/11/00 2:00 pm
Initial pH of Leachant 1.378 Final pH of Leachate 0.558
Cation Analysis No. T44-021 Dilution Factor _____

44 Leachant Replacement Date and Time(d:hr:min) 4/25/00 2:00 pm
Initial pH of Leachant 1.442 Final pH of Leachate 0.594
Cation Analysis No. T45-021 Dilution Factor _____

45 Leachant Replacement Date and Time(d:hr:min) 5/9/00 10:30
Initial pH of Leachant 1.443 Final pH of Leachate 0.664
Cation Analysis No. T46-021 Dilution Factor _____

46 Leachant Replacement Date and Time(d:hr:min) 5/23/00 2:00pm
Initial pH of Leachant 1.387 Final pH of Leachate 0.505
Cation Analysis No. T47-021 Dilution Factor _____

47 Leachant Replacement Date and Time(d:hr:min) 6/6/00 10:30
Initial pH of Leachant 1.399 Final pH of Leachate 0.506
Cation Analysis No. T48-021 Dilution Factor _____

48 Leachant Replacement Date and Time(d:hr:min) 6/20/00 1:00pm
Initial pH of Leachant 1.401 Final pH of Leachate 0.469
Cation Analysis No. T49-021 Dilution Factor _____

49 Leachant Replacement Date and Time(d:hr:min) 7/5/00 8:30
Initial pH of Leachant 1.385 Final pH of Leachate 0.560
Cation Analysis No. T50-021 Dilution Factor _____

50 Leachant Replacement Date and Time(d:hr:min) 7/18/00 10:30
Initial pH of Leachant 1.335 Final pH of Leachate 0.532
Cation Analysis No. T51-021 Dilution Factor _____

J.P.
6/6/00

J.P.
8/11/00

LONG-TERM TEST DATA SHEET

Test ID WVNSHF3-T2Vessel ID No. 022Batch Cleaning No. 7-21-99Glass Sample ID WVNSSample Weight (g) 3.0004Sample Preparation Date 07-29-99Type of Solution 0.25 M FeCl₃Leachant Volume (ml) 30Initial pH of Leachant 1.339Weight of Empty Vessel (g) 126.33015Weight of Vessel + Sample (g) 129.348252nd Weight of Sample (Difference of the last two items) (g) 3.0381Total Weight of Vessel + Sample + Solution (g) 160.06040Test Temperature 90°CDate and Time Test Started (d:hr:min) 7/29/99; 2:00 PMFinal pH of Leachate 1.760 1.886 7/29/99Cation Analysis No. T1-022

Dilution Factor

1 Leachant Replacement Date and Time(d:hr:min) 8/2/99; 10:40Initial pH of Leachant 1.400Final pH of Leachate 0.982Cation Analysis No. T2-022

Dilution Factor

2 Leachant Replacement Date and Time(d:hr:min) 8/5/99; 9:10Initial pH of Leachant 1.420Final pH of Leachate 0.687Cation Analysis No. T3-022

Dilution Factor

3 Leachant Replacement Date and Time(d:hr:min) 8/9/99; 9:30Initial pH of Leachant 1.285Final pH of Leachate 0.645Cation Analysis No. T4-022

Dilution Factor

4 Leachant Replacement Date and Time(d:hr:min) 8/12/99; 10:00Initial pH of Leachant 1.272Final pH of Leachate 0.796Cation Analysis No. T5-022

Dilution Factor

5 Leachant Replacement Date and Time(d:hr:min) 8/16/99; 9:55Initial pH of Leachant 1.484Final pH of Leachate 0.732Cation Analysis No. T6-022

Dilution Factor

6 Leachant Replacement Date and Time(d:hr:min) 8/19/99; 9:40Initial pH of Leachant 1.488Final pH of Leachate 0.736Cation Analysis No. T7-022

Dilution Factor

7 Leachant Replacement Date and Time(d:hr:min) 8/23/99; 9:30Initial pH of Leachant 1.443Final pH of Leachate 0.750Cation Analysis No. T8-022

Dilution Factor

8 Leachant Replacement Date and Time(d:hr:min) 8/26/99; 8:50Initial pH of Leachant 1.456Final pH of Leachate 0.736Cation Analysis No. T9-022

Dilution Factor

Jo Par
8/26/99

022

9 Leachant Replacement Date and Time(d:hr:min) 8/30/99; 9:50Initial pH of Leachant 1.477Final pH of Leachate 0.758Cation Analysis No. T10-022

Dilution Factor

10 Leachant Replacement Date and Time(d:hr:min) 9/2/99; 9:30Initial pH of Leachant 1.489Final pH of Leachate 0.778Cation Analysis No. T11-022

Dilution Factor

11 Leachant Replacement Date and Time(d:hr:min) 9/6/99; 12:55Initial pH of Leachant 1.533Final pH of Leachate 0.760Cation Analysis No. T12-022

Dilution Factor

12 Leachant Replacement Date and Time(d:hr:min) 9/9/99; 9:15Initial pH of Leachant 1.484Final pH of Leachate 0.741Cation Analysis No. T13-022

Dilution Factor

13 Leachant Replacement Date and Time(d:hr:min) 9/13/99; 8:15Initial pH of Leachant 1.506Final pH of Leachate 0.793Cation Analysis No. T14-022

Dilution Factor

14 Leachant Replacement Date and Time(d:hr:min) 9/16/99; 9:20Initial pH of Leachant 1.558Final pH of Leachate 0.780Cation Analysis No. T15-022

Dilution Factor

15 Leachant Replacement Date and Time(d:hr:min) 9/20/99; 9:00Initial pH of Leachant 1.545Final pH of Leachate 0.705Cation Analysis No. T16-022

Dilution Factor

16 Leachant Replacement Date and Time(d:hr:min) 9/23/99; 9:00Initial pH of Leachant 1.425Final pH of Leachate 0.691Cation Analysis No. T17-022

Dilution Factor

17 Leachant Replacement Date and Time(d:hr:min) 9/27/99; 9:15Initial pH of Leachant 1.431Final pH of Leachate 0.692Cation Analysis No. T18-022

Dilution Factor

18 Leachant Replacement Date and Time(d:hr:min) 9/30/99; 9:45Initial pH of Leachant 1.433Final pH of Leachate 0.692Cation Analysis No. T19-022

Dilution Factor

19 Leachant Replacement Date and Time(d:hr:min) 10/4/99; 9:00Initial pH of Leachant 1.245Final pH of Leachate 0.726Cation Analysis No. T20-022

Dilution Factor

20 Leachant Replacement Date and Time(d:hr:min) 10/8/99; 9:30Initial pH of Leachant 1.270Final pH of Leachate 0.684Cation Analysis No. T21-022

Dilution Factor

21 Leachant Replacement Date and Time(d:hr:min) 10/12/99; 9:15Initial pH of Leachant 1.347Final pH of Leachate 0.694Cation Analysis No. T22-022

Dilution Factor

22 Leachant Replacement Date and Time(d:hr:min) 10/15/99; 9:45Initial pH of Leachant 1.429Final pH of Leachate 0.689Cation Analysis No. T23-022

Dilution Factor

Jo Par
10/15/99

022

23 Leachant Replacement Date and Time(d:hr:min) 10/19/99 9:15
Initial pH of Leachant 1.392 Final pH of Leachate 0.708
Cation Analysis No. T24-022 Dilution Factor _____

24 Leachant Replacement Date and Time(d:hr:min) 10/26/99 10:00
Initial pH of Leachant 1.464 Final pH of Leachate 0.620
Cation Analysis No. T25-022 Dilution Factor _____

25 Leachant Replacement Date and Time(d:hr:min) 11/2/99 9:55
Initial pH of Leachant 1.419 Final pH of Leachate 0.669
Cation Analysis No. T26-022 Dilution Factor _____

26 Leachant Replacement Date and Time(d:hr:min) 11/9/99 9:30
Initial pH of Leachant 1.449 Final pH of Leachate 0.636
Cation Analysis No. T27-022 Dilution Factor _____

27 Leachant Replacement Date and Time(d:hr:min) 11/16/99 1:00
Initial pH of Leachant 1.363 Final pH of Leachate 0.616
Cation Analysis No. T28-022 Dilution Factor _____

28 Leachant Replacement Date and Time(d:hr:min) 11/23/99 10:30
Initial pH of Leachant 1.400 Final pH of Leachate 0.593
Cation Analysis No. T29-022 Dilution Factor _____

29 Leachant Replacement Date and Time(d:hr:min) 11/30/99 10:00
Initial pH of Leachant 1.362 Final pH of Leachate 0.642
Cation Analysis No. T30-022 Dilution Factor _____

30 Leachant Replacement Date and Time(d:hr:min) 12/7/99 11:15
Initial pH of Leachant 1.412 Final pH of Leachate 0.684
Cation Analysis No. T31-022 Dilution Factor _____

31 Leachant Replacement Date and Time(d:hr:min) 12/14/99 10:00
Initial pH of Leachant 1.432 Final pH of Leachate 0.661
Cation Analysis No. T32-022 Dilution Factor _____

32 Leachant Replacement Date and Time(d:hr:min) 12/21/99 10:00
Initial pH of Leachant 1.375 Final pH of Leachate 0.724
Cation Analysis No. T33-022 Dilution Factor _____

33 Leachant Replacement Date and Time(d:hr:min) 12/28/99 11:15
Initial pH of Leachant 1.435 Final pH of Leachate 0.558
Cation Analysis No. T34-022 Dilution Factor _____

34 Leachant Replacement Date and Time(d:hr:min) 1/4/00 10:30
Initial pH of Leachant 1.413 Final pH of Leachate 0.580
Cation Analysis No. T35-022 Dilution Factor _____

35 Leachant Replacement Date and Time(d:hr:min) 1/11/00 10:30
Initial pH of Leachant 1.405 Final pH of Leachate 1.194
Cation Analysis No. T36-022 Dilution Factor _____

36 Leachant Replacement Date and Time(d:hr:min) 1/18/00 10:150
Initial pH of Leachant 1.409 Final pH of Leachate 0.508
Cation Analysis No. T37-022 Dilution Factor _____

J.P. Pa
1/18/00

022

37 Leachant Replacement Date and Time(d:hr:min) 1/25/00 10:45
Initial pH of Leachant 1.369 Final pH of Leachate 0.618
Cation Analysis No. T38-022 Dilution Factor _____

38 Leachant Replacement Date and Time(d:hr:min) 2/2/00 3pm
Initial pH of Leachant 1.323 Final pH of Leachate 1.049
Cation Analysis No. T39-022 Dilution Factor _____

39 Leachant Replacement Date and Time(d:hr:min) 2/15/00 10:30
Initial pH of Leachant 1.301 Final pH of Leachate 0.552
Cation Analysis No. T40-022 Dilution Factor _____

40 Leachant Replacement Date and Time(d:hr:min) 2/27/00 2:39pm
Initial pH of Leachant 1.403 Final pH of Leachate 0.720
Cation Analysis No. T41-022 Dilution Factor _____

41 Leachant Replacement Date and Time(d:hr:min) 3/14/00 11:00am
Initial pH of Leachant 1.416 Final pH of Leachate 0.547
Cation Analysis No. T42-022 Dilution Factor _____

42 Leachant Replacement Date and Time(d:hr:min) 3/28/00 10:00am
Initial pH of Leachant 1.360 Final pH of Leachate 0.494
Cation Analysis No. T43-022 Dilution Factor _____

43 Leachant Replacement Date and Time(d:hr:min) 4/11/00 2:00 pm
Initial pH of Leachant 1.378 Final pH of Leachate 0.490
Cation Analysis No. T44-022 Dilution Factor _____

44 Leachant Replacement Date and Time(d:hr:min) 4/25/00 2:00 pm
Initial pH of Leachant 1.412 Final pH of Leachate 0.545
Cation Analysis No. T45-022 Dilution Factor _____

45 Leachant Replacement Date and Time(d:hr:min) 5/5/00 10:30
Initial pH of Leachant 1.443 Final pH of Leachate 0.621
Cation Analysis No. T46-022 Dilution Factor _____

46 Leachant Replacement Date and Time(d:hr:min) 5/23/00 2:00 pm
Initial pH of Leachant 1.387 Final pH of Leachate 0.493
Cation Analysis No. T47-022 Dilution Factor _____

47 Leachant Replacement Date and Time(d:hr:min) 6/6/00 10:30
Initial pH of Leachant 1.399 Final pH of Leachate 0.495
Cation Analysis No. T48-022 Dilution Factor _____

48 Leachant Replacement Date and Time(d:hr:min) 6/20/00 1:00pm
Initial pH of Leachant 1.401 Final pH of Leachate 0.564
Cation Analysis No. T49-022 Dilution Factor _____

49 Leachant Replacement Date and Time(d:hr:min) 7/5/00 8:30
Initial pH of Leachant 1.385 Final pH of Leachate 0.533
Cation Analysis No. T50-022 Dilution Factor _____

50 Leachant Replacement Date and Time(d:hr:min) 7/18/00 10:30
Initial pH of Leachant 1.335 Final pH of Leachate 0.515
Cation Analysis No. T51-022 Dilution Factor _____

J.P. Pa
8/11/00

LONG-TERM TEST DATA SHEET

Test ID WVNSHF3-T3Vessel ID No. 023Batch Cleaning No. 7-21-99Glass Sample ID WVNSSample Weight (g) 3.00002Sample Preparation Date 07-29-99Type of Solution 0.25 M FeCl₃Leachant Volume (ml) 30Initial pH of Leachant 1.839Weight of Empty Vessel (g) 126.74405Weight of Vessel + Sample (g) 129.745352nd Weight of Sample (Difference of the last two items) (g) 3.0013Total Weight of Vessel + Sample + Solution (g) 160.31270Test Temperature 90°CDate and Time Test Started (d:hr:min) 7/29/99; 2:00PMFinal pH of Leachate 1.888Cation Analysis No. T1-023

Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 8/2/99; 10:40Initial pH of Leachant 1.400Cation Analysis No. T2-023Final pH of Leachate 1.014

Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 8/5/99; 9:10Initial pH of Leachant 1.420Cation Analysis No. T3-023Final pH of Leachate 0.663

Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 8/9/99; 9:30Initial pH of Leachant 1.285Cation Analysis No. T4-023Final pH of Leachate 0.647

Dilution Factor _____

4 Leachant Replacement Date and Time(d:hr:min) 8/12/99; 10:00Initial pH of Leachant 1.272Cation Analysis No. T5-023Final pH of Leachate 0.758

Dilution Factor _____

5 Leachant Replacement Date and Time(d:hr:min) 8/16/99; 9:55Initial pH of Leachant 1.484Cation Analysis No. T6-023Final pH of Leachate 0.734

Dilution Factor _____

6 Leachant Replacement Date and Time(d:hr:min) 8/19/99; 9:40Initial pH of Leachant 1.488Cation Analysis No. T7-023Final pH of Leachate 0.731

Dilution Factor _____

7 Leachant Replacement Date and Time(d:hr:min) 8/23/99; 9:30Initial pH of Leachant 1.443Cation Analysis No. T8-023Final pH of Leachate 0.743

Dilution Factor _____

8 Leachant Replacement Date and Time(d:hr:min) 8/26/99; 8:50Initial pH of Leachant 1.456Cation Analysis No. T9-023Final pH of Leachate 0.734

Dilution Factor _____

JP
8/26/99

023

9 Leachant Replacement Date and Time(d:hr:min) 8/30/99; 9:50Initial pH of Leachant 1.477Cation Analysis No. T10-023Final pH of Leachate 0.759

Dilution Factor _____

10 Leachant Replacement Date and Time(d:hr:min) 9/2/99; 9:30Initial pH of Leachant 1.489Cation Analysis No. T11-023Final pH of Leachate 0.783

Dilution Factor _____

11 Leachant Replacement Date and Time(d:hr:min) 9/6/99; 12:55Initial pH of Leachant 1.533Cation Analysis No. T12-023Final pH of Leachate 0.758

Dilution Factor _____

12 Leachant Replacement Date and Time(d:hr:min) 9/9/99; 9:15Initial pH of Leachant 1.484Cation Analysis No. T13-023Final pH of Leachate 0.742

Dilution Factor _____

13 Leachant Replacement Date and Time(d:hr:min) 9/13/99; 8:45Initial pH of Leachant 1.506Cation Analysis No. T14-023Final pH of Leachate 0.793

Dilution Factor _____

14 Leachant Replacement Date and Time(d:hr:min) 9/16/99; 9:00Initial pH of Leachant 1.558Cation Analysis No. T15-023Final pH of Leachate 0.778

Dilution Factor _____

15 Leachant Replacement Date and Time(d:hr:min) 9/20/99; 9:00Initial pH of Leachant 1.545Cation Analysis No. T16-023Final pH of Leachate 0.700

Dilution Factor _____

16 Leachant Replacement Date and Time(d:hr:min) 9/23/99; 9:00Initial pH of Leachant 1.425Cation Analysis No. T17-023Final pH of Leachate 0.678

Dilution Factor _____

17 Leachant Replacement Date and Time(d:hr:min) 9/27/99; 9:15Initial pH of Leachant 1.431Cation Analysis No. T18-023Final pH of Leachate 0.699

Dilution Factor _____

18 Leachant Replacement Date and Time(d:hr:min) 9/30/99; 9:45Initial pH of Leachant 1.433Cation Analysis No. T19-023Final pH of Leachate 0.701

Dilution Factor _____

19 Leachant Replacement Date and Time(d:hr:min) 10/4/99; 9:00Initial pH of Leachant 1.245Cation Analysis No. T20-023Final pH of Leachate 0.722

Dilution Factor _____

20 Leachant Replacement Date and Time(d:hr:min) 10/8/99; 9:30Initial pH of Leachant 1.270Cation Analysis No. T21-023Final pH of Leachate 0.689

Dilution Factor _____

21 Leachant Replacement Date and Time(d:hr:min) 10/12/99; 9:45Initial pH of Leachant 1.347Cation Analysis No. T22-023Final pH of Leachate 0.698

Dilution Factor _____

22 Leachant Replacement Date and Time(d:hr:min) 10/15/99; 9:45Initial pH of Leachant 1.429Cation Analysis No. T23-023Final pH of Leachate 0.690

Dilution Factor _____

JP
10/15/99

023

23 Leachant Replacement Date and Time(d:hr:min) 10/19/99 9:15
Initial pH of Leachant 1.392 Final pH of Leachate 0.718
Cation Analysis No. T24-023 Dilution Factor _____

24 Leachant Replacement Date and Time(d:hr:min) 10/26/99 10:00
Initial pH of Leachant 1.464 Final pH of Leachate 0.626
Cation Analysis No. T25-023 Dilution Factor _____

25 Leachant Replacement Date and Time(d:hr:min) 11/2/99 9:55
Initial pH of Leachant 1.419 Final pH of Leachate 0.662
Cation Analysis No. T26-023 Dilution Factor _____

26 Leachant Replacement Date and Time(d:hr:min) 11/9/99 9:30
Initial pH of Leachant 1.449 Final pH of Leachate 0.638
Cation Analysis No. T27-023 Dilution Factor _____

27 Leachant Replacement Date and Time(d:hr:min) 11/16/99 1:00
Initial pH of Leachant 1.363 Final pH of Leachate 0.614
Cation Analysis No. T28-023 Dilution Factor _____

28 Leachant Replacement Date and Time(d:hr:min) 11/23/99 10:30
Initial pH of Leachant 1.400 Final pH of Leachate 0.591
Cation Analysis No. T29-023 Dilution Factor _____

29 Leachant Replacement Date and Time(d:hr:min) 11/30/99 10:00
Initial pH of Leachant 1.362 Final pH of Leachate 0.618
Cation Analysis No. T30-023 Dilution Factor _____

30 Leachant Replacement Date and Time(d:hr:min) 12/7/99 11:15
Initial pH of Leachant 1.412 Final pH of Leachate 0.659
Cation Analysis No. T31-023 Dilution Factor _____

31 Leachant Replacement Date and Time(d:hr:min) 12/14/99 10:00
Initial pH of Leachant 1.432 Final pH of Leachate 0.595
Cation Analysis No. T32-023 Dilution Factor _____

32 Leachant Replacement Date and Time(d:hr:min) 12/21/99 10:00
Initial pH of Leachant 1.375 Final pH of Leachate 0.598
Cation Analysis No. T33-023 Dilution Factor _____

33 Leachant Replacement Date and Time(d:hr:min) 12/28/99 11:15
Initial pH of Leachant 1.435 Final pH of Leachate 0.553
Cation Analysis No. T34-023 Dilution Factor _____

34 Leachant Replacement Date and Time(d:hr:min) 1/4/00 10:30
Initial pH of Leachant 1.413 Final pH of Leachate 0.598
Cation Analysis No. T35-023 Dilution Factor _____

35 Leachant Replacement Date and Time(d:hr:min) 1/11/00 10:30
Initial pH of Leachant 1.405 Final pH of Leachate 0.642
Cation Analysis No. T36-023 Dilution Factor _____

36 Leachant Replacement Date and Time(d:hr:min) 1/18/00 10:50
Initial pH of Leachant 1.409 Final pH of Leachate 0.589
Cation Analysis No. T37-023 Dilution Factor _____

J.P. 1/18/00

023

37 Leachant Replacement Date and Time(d:hr:min) 1/25/00 10:45
Initial pH of Leachant 1.369 Final pH of Leachate 0.636
Cation Analysis No. T38-023 Dilution Factor _____

38 Leachant Replacement Date and Time(d:hr:min) 2/2/00 3 pm
Initial pH of Leachant 1.323 Final pH of Leachate 0.695
Cation Analysis No. T39-023 Dilution Factor _____

39 Leachant Replacement Date and Time(d:hr:min) 2/15/00 10:30
Initial pH of Leachant 1.301 Final pH of Leachate 0.596
Cation Analysis No. T40-023 Dilution Factor _____

40 Leachant Replacement Date and Time(d:hr:min) 2/29/00 2:30 pm
Initial pH of Leachant 1.403 Final pH of Leachate 0.703
Cation Analysis No. T41-023 Dilution Factor _____

41 Leachant Replacement Date and Time(d:hr:min) 3/14/00 11:00 am
Initial pH of Leachant 1.416 Final pH of Leachate 0.566
Cation Analysis No. T42-023 Dilution Factor _____

42 Leachant Replacement Date and Time(d:hr:min) 3/28/00 10:00 am
Initial pH of Leachant 1.360 Final pH of Leachate 0.557
Cation Analysis No. T43-023 Dilution Factor _____

43 Leachant Replacement Date and Time(d:hr:min) 4/11/00 2:00 pm
Initial pH of Leachant 1.378 Final pH of Leachate 0.602
Cation Analysis No. T44-023 Dilution Factor _____

44 Leachant Replacement Date and Time(d:hr:min) 4/25/00 2:00 pm
Initial pH of Leachant 1.442 Final pH of Leachate 0.523
Cation Analysis No. T45-023 Dilution Factor _____

45 Leachant Replacement Date and Time(d:hr:min) 5/4/00 10:30
Initial pH of Leachant 1.443 Final pH of Leachate 0.528
Cation Analysis No. T46-023 Dilution Factor _____

46 Leachant Replacement Date and Time(d:hr:min) 5/23/00 2:00 pm
Initial pH of Leachant 1.387 Final pH of Leachate 0.495
Cation Analysis No. T47-023 Dilution Factor _____

47 Leachant Replacement Date and Time(d:hr:min) 6/6/00 10:30
Initial pH of Leachant 1.399 Final pH of Leachate 0.496
Cation Analysis No. T48-023 Dilution Factor _____

48 Leachant Replacement Date and Time(d:hr:min) 6/20/00 1:00 pm
Initial pH of Leachant 1.401 Final pH of Leachate 0.538
Cation Analysis No. T49-023 Dilution Factor _____

49 Leachant Replacement Date and Time(d:hr:min) 7/5/00 8:30
Initial pH of Leachant 1.385 Final pH of Leachate 0.533
Cation Analysis No. T50-023 Dilution Factor _____

50 Leachant Replacement Date and Time(d:hr:min) 7/18/00 10:30
Initial pH of Leachant 1.335 Final pH of Leachate 0.518
Cation Analysis No. T51-023 Dilution Factor _____

J.P. 6/6/00

J.P. 8/11/00

LONG-TERM TEST DATA SHEET

Test ID SRS LF2-T1Vessel ID No. 024Batch Cleaning No. 7-21-99Glass Sample ID SRSSample Weight (g) 3.00066Sample Preparation Date 7-26-99Type of Solution 0.0025 M FeCl₃Leachant Volume (ml) 30Initial pH of Leachant 3.949Weight of Empty Vessel (g) 126.81395Weight of Vessel + Sample (g) 129.831302nd Weight of Sample (Difference of the last two items) (g) 3.01735Total Weight of Vessel + Sample + Solution (g) 159.42865Test Temperature 90°CDate and Time Test Started (d:hr:min) 7/27/99; 10:20Final pH of Leachate 8.998Cation Analysis No. T1-024

Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 7/30/99; 9:50Initial pH of Leachant 3.867Final pH of Leachate 8.715Cation Analysis No. T2-024

Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 8/3/99; 9:15Initial pH of Leachant 3.854Final pH of Leachate 8.250Cation Analysis No. T3-024

Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 8/6/99; 10:05Initial pH of Leachant 3.752Final pH of Leachate 8.189Cation Analysis No. T4-024

Dilution Factor _____

4 Leachant Replacement Date and Time(d:hr:min) 8/10/99; 10:25Initial pH of Leachant 3.650Final pH of Leachate 7.710Cation Analysis No. T5-024

Dilution Factor _____

5 Leachant Replacement Date and Time(d:hr:min) 8/13/99; 10:15Initial pH of Leachant 3.784Final pH of Leachate 7.556Cation Analysis No. T6-024

Dilution Factor _____

6 Leachant Replacement Date and Time(d:hr:min) 8/17/99; 10:12Initial pH of Leachant 3.750Final pH of Leachate 6.507Cation Analysis No. T7-024

Dilution Factor _____

7 Leachant Replacement Date and Time(d:hr:min) 8/20/99; 8:50Initial pH of Leachant 3.686Final pH of Leachate 7.085Cation Analysis No. T8-024

Dilution Factor _____

8 Leachant Replacement Date and Time(d:hr:min) 8/24/99; 9:00Initial pH of Leachant 3.695Final pH of Leachate 6.265Cation Analysis No. T9-024

Dilution Factor _____

g. Pan
8/26/99

024

9 Leachant Replacement Date and Time(d:hr:min) 8/27/99; 8:45Initial pH of Leachant 3.675Final pH of Leachate 6.773Cation Analysis No. T10-024

Dilution Factor _____

10 Leachant Replacement Date and Time(d:hr:min) 8/31/99; 9:30Initial pH of Leachant 4.308Final pH of Leachate 6.502Cation Analysis No. T11-024

Dilution Factor _____

11 Leachant Replacement Date and Time(d:hr:min) 9/3/99; 9:30Initial pH of Leachant 4.208Final pH of Leachate 6.297Cation Analysis No. T12-024

Dilution Factor _____

12 Leachant Replacement Date and Time(d:hr:min) 9/7/99; 9:00Initial pH of Leachant 4.070Final pH of Leachate 6.478Cation Analysis No. T13-024

Dilution Factor _____

13 Leachant Replacement Date and Time(d:hr:min) 9/10/99; 10:00Initial pH of Leachant 3.927Final pH of Leachate 6.108Cation Analysis No. T14-024

Dilution Factor _____

14 Leachant Replacement Date and Time(d:hr:min) 9/14/99; 9:15Initial pH of Leachant 3.916Final pH of Leachate 5.678Cation Analysis No. T15-024

Dilution Factor _____

15 Leachant Replacement Date and Time(d:hr:min) 9/17/99; 9:00Initial pH of Leachant 3.950Final pH of Leachate 5.813Cation Analysis No. T16-024

Dilution Factor _____

16 Leachant Replacement Date and Time(d:hr:min) 9/21/99; 10:00Initial pH of Leachant 3.920Final pH of Leachate 6.120Cation Analysis No. T17-024

Dilution Factor _____

17 Leachant Replacement Date and Time(d:hr:min) 9/24/99; 10:30Initial pH of Leachant 3.697Final pH of Leachate 5.665Cation Analysis No. T18-024

Dilution Factor _____

18 Leachant Replacement Date and Time(d:hr:min) 9/28/99; 9:30Initial pH of Leachant 3.705Final pH of Leachate 5.718

Cation Analysis No. _____

Dilution Factor _____

19 Leachant Replacement Date and Time(d:hr:min) 10/1/99; 9:30Initial pH of Leachant 3.650Final pH of Leachate 6.276Cation Analysis No. T20-024

Dilution Factor _____

20 Leachant Replacement Date and Time(d:hr:min) 10/5/99; 9:30Initial pH of Leachant 3.815Final pH of Leachate 6.312Cation Analysis No. T21-024

Dilution Factor _____

21 Leachant Replacement Date and Time(d:hr:min) 10/9/99; 9:30Initial pH of Leachant 3.799Final pH of Leachate 4.270Cation Analysis No. T22-024

Dilution Factor _____

22 Leachant Replacement Date and Time(d:hr:min) 10/12/99; 9:45Initial pH of Leachant 3.925Final pH of Leachate 5.853Cation Analysis No. T23-024

Dilution Factor _____

g. Pan
10/14/99

024

23 Leachant Replacement Date and Time(d:hr:min) 10/15/99 9:45
 Initial pH of Leachant 3.847 Final pH of Leachate 5.414
 Cation Analysis No. T24-024 Dilution Factor _____

24 Leachant Replacement Date and Time(d:hr:min) 10/26/99 10:00
 Initial pH of Leachant 3.806 Final pH of Leachate 6.210
 Cation Analysis No. T25-024 Dilution Factor _____

25 Leachant Replacement Date and Time(d:hr:min) 11/2/99 9:55
 Initial pH of Leachant 3.790 Final pH of Leachate 6.186
 Cation Analysis No. T26-024 Dilution Factor _____

26 Leachant Replacement Date and Time(d:hr:min) 11/9/99 9:30
 Initial pH of Leachant 3.722 Final pH of Leachate 6.225
 Cation Analysis No. T27-024 Dilution Factor _____

27 Leachant Replacement Date and Time(d:hr:min) 11/16/99 1:00
 Initial pH of Leachant 3.618 Final pH of Leachate 6.156
 Cation Analysis No. T28-024 Dilution Factor _____

28 Leachant Replacement Date and Time(d:hr:min) 11/23/99 10:30
 Initial pH of Leachant 3.563 Final pH of Leachate 5.700
 Cation Analysis No. T29-024 Dilution Factor _____

29 Leachant Replacement Date and Time(d:hr:min) 11/30/99 10:00
 Initial pH of Leachant 3.605 Final pH of Leachate 5.303
 Cation Analysis No. T30-024 Dilution Factor _____

30 Leachant Replacement Date and Time(d:hr:min) 12/5/99 11:15
 Initial pH of Leachant 4.145 Final pH of Leachate 5.314
 Cation Analysis No. T31-024 Dilution Factor _____

31 Leachant Replacement Date and Time(d:hr:min) 12/14/99 10:00
 Initial pH of Leachant 3.760 Final pH of Leachate 4.270
 Cation Analysis No. T32-024 Dilution Factor _____

32 Leachant Replacement Date and Time(d:hr:min) 12/21/99 10:00
 Initial pH of Leachant 3.759 Final pH of Leachate 4.656
 Cation Analysis No. T33-024 Dilution Factor _____

33 Leachant Replacement Date and Time(d:hr:min) 12/28/99 11:15
 Initial pH of Leachant 3.819 Final pH of Leachate 4.366
 Cation Analysis No. T34-024 Dilution Factor _____

34 Leachant Replacement Date and Time(d:hr:min) 1/4/00 12:30
 Initial pH of Leachant 3.762 Final pH of Leachate 4.538
 Cation Analysis No. T35-024 Dilution Factor _____

35 Leachant Replacement Date and Time(d:hr:min) 1/11/00 10:30
 Initial pH of Leachant 3.705 Final pH of Leachate 4.821
 Cation Analysis No. T36-024 Dilution Factor _____

36 Leachant Replacement Date and Time(d:hr:min) 1/18/00 10:50
 Initial pH of Leachant 3.693 Final pH of Leachate 3.981
 Cation Analysis No. T37-024 Dilution Factor _____

YJP
 1/20/00

024

37 Leachant Replacement Date and Time(d:hr:min) 1/25/00 10:45
 Initial pH of Leachant 3.627 Final pH of Leachate 5.064
 Cation Analysis No. T38-024 Dilution Factor _____

38 Leachant Replacement Date and Time(d:hr:min) 2/2/00 3pm
 Initial pH of Leachant 3.531 Final pH of Leachate 5.325
 Cation Analysis No. T39-024 Dilution Factor _____

39 Leachant Replacement Date and Time(d:hr:min) 2/15/00 10:30
 Initial pH of Leachant 3.497 Final pH of Leachate 5.331
 Cation Analysis No. T40-024 Dilution Factor _____

40 Leachant Replacement Date and Time(d:hr:min) 2/27/00 2:30pm
 Initial pH of Leachant 4.177 Final pH of Leachate 5.352
 Cation Analysis No. T41-024 Dilution Factor _____

41 Leachant Replacement Date and Time(d:hr:min) 3/14/00 11:00am
 Initial pH of Leachant 3.861 Final pH of Leachate 5.034
 Cation Analysis No. T42-024 Dilution Factor _____

42 Leachant Replacement Date and Time(d:hr:min) 3/28/00 10:00am
 Initial pH of Leachant 3.586 Final pH of Leachate 5.926
 Cation Analysis No. T43-024 Dilution Factor _____

43 Leachant Replacement Date and Time(d:hr:min) 4/11/00 2:00pm
 Initial pH of Leachant 3.586 Final pH of Leachate 4.920
 Cation Analysis No. T44-024 Dilution Factor _____

44 Leachant Replacement Date and Time(d:hr:min) 4/25/00 2:00pm
 Initial pH of Leachant 3.589 Final pH of Leachate 5.780
 Cation Analysis No. T45-024 Dilution Factor _____

45 Leachant Replacement Date and Time(d:hr:min) 5/9/00 10:30
 Initial pH of Leachant 3.578 Final pH of Leachate 5.779
 Cation Analysis No. T46-024 Dilution Factor _____

46 Leachant Replacement Date and Time(d:hr:min) 5/23/00 2:00pm
 Initial pH of Leachant 3.444 Final pH of Leachate 5.779
 Cation Analysis No. T47-024 Dilution Factor _____

47 Leachant Replacement Date and Time(d:hr:min) 6/6/00 10:30
 Initial pH of Leachant 3.467 Final pH of Leachate 5.779
 Cation Analysis No. T48-024 Dilution Factor _____

48 Leachant Replacement Date and Time(d:hr:min) 6/20/00 1:00pm
 Initial pH of Leachant 3.430 Final pH of Leachate 5.628
 Cation Analysis No. T49-024 Dilution Factor _____

49 Leachant Replacement Date and Time(d:hr:min) 7/5/00 8:30
 Initial pH of Leachant 3.425 Final pH of Leachate 5.891
 Cation Analysis No. T50-024 Dilution Factor _____

50 Leachant Replacement Date and Time(d:hr:min) 7/18/00 10:30
 Initial pH of Leachant 3.410 Final pH of Leachate 5.189
 Cation Analysis No. T51-024 Dilution Factor _____

YJP
 8/11/00

LONG-TERM TEST DATA SHEET

Test ID SRS LF2-T2Vessel ID No. 025Batch Cleaning No. 7-21-99Glass Sample ID SRSSample Weight (g) 3.00015Sample Preparation Date 7-26-99Type of Solution 0.0025 M FeCl₂Leachant Volume (ml) 30Initial pH of Leachant 3.949Weight of Empty Vessel (g) 127.13865Weight of Vessel + Sample (g) 130.160552nd Weight of Sample (Difference of the last two items) (g) 3.02190Total Weight of Vessel + Sample + Solution (g) 159.83625Test Temperature 90°CDate and Time Test Started (d:hr:min) 7/27/99; 10:20Final pH of Leachate 9.005Cation Analysis No. T1-025

Dilution Factor

1 Leachant Replacement Date and Time(d:hr:min) 7/30/99; 9:50Initial pH of Leachant 3.867Cation Analysis No. T2-025Final pH of Leachate 8.733

Dilution Factor

2 Leachant Replacement Date and Time(d:hr:min) 8/3/99; 9:15Initial pH of Leachant 3.854Cation Analysis No. T3-025Final pH of Leachate 8.288

Dilution Factor

3 Leachant Replacement Date and Time(d:hr:min) 8/6/99; 10:05Initial pH of Leachant 3.752Cation Analysis No. T4-025Final pH of Leachate 8.207

Dilution Factor

4 Leachant Replacement Date and Time(d:hr:min) 8/10/99; 10:25Initial pH of Leachant 3.650Cation Analysis No. T5-025Final pH of Leachate 7.607

Dilution Factor

5 Leachant Replacement Date and Time(d:hr:min) 8/13/99; 10:15Initial pH of Leachant 3.784Cation Analysis No. T6-025Final pH of Leachate 7.480

Dilution Factor

6 Leachant Replacement Date and Time(d:hr:min) 8/17/99; 10:12Initial pH of Leachant 3.750Cation Analysis No. T7-025Final pH of Leachate 6.347

Dilution Factor

7 Leachant Replacement Date and Time(d:hr:min) 8/20/99; 8:50Initial pH of Leachant 3.686Cation Analysis No. T8-025Final pH of Leachate 7.076

Dilution Factor

8 Leachant Replacement Date and Time(d:hr:min) 8/24/99; 9:00Initial pH of Leachant 3.695Cation Analysis No. T9-025Final pH of Leachate 6.352

Dilution Factor

JP
8/26/99

025

9 Leachant Replacement Date and Time(d:hr:min) 8/27/99; 8:45Initial pH of Leachant 3.675Cation Analysis No. T10-025Final pH of Leachate 6.734

Dilution Factor

10 Leachant Replacement Date and Time(d:hr:min) 8/31/99; 9:30Initial pH of Leachant 4.308Cation Analysis No. T11-025Final pH of Leachate 6.457

Dilution Factor

11 Leachant Replacement Date and Time(d:hr:min) 9/3/99; 9:30Initial pH of Leachant 4.208Cation Analysis No. T12-025Final pH of Leachate 6.424

Dilution Factor

12 Leachant Replacement Date and Time(d:hr:min) 9/7/99; 9:00Initial pH of Leachant 4.070Cation Analysis No. T13-025Final pH of Leachate 6.413

Dilution Factor

13 Leachant Replacement Date and Time(d:hr:min) 9/10/99; 10:00Initial pH of Leachant 3.927Cation Analysis No. T14-025Final pH of Leachate 6.168

Dilution Factor

14 Leachant Replacement Date and Time(d:hr:min) 9/14/99; 9:15Initial pH of Leachant 3.916Cation Analysis No. T15-025Final pH of Leachate 5.658

Dilution Factor

15 Leachant Replacement Date and Time(d:hr:min) 9/17/99; 9:00Initial pH of Leachant 3.956Cation Analysis No. T16-025Final pH of Leachate 5.942

Dilution Factor

16 Leachant Replacement Date and Time(d:hr:min) 9/21/99; 10:00Initial pH of Leachant 3.920Cation Analysis No. T17-025Final pH of Leachate 6.096

Dilution Factor

17 Leachant Replacement Date and Time(d:hr:min) 9/24/99; 10:30Initial pH of Leachant 3.697Cation Analysis No. T18-025Final pH of Leachate 5.800

Dilution Factor

18 Leachant Replacement Date and Time(d:hr:min) 9/28/99; 9:30Initial pH of Leachant 3.705Cation Analysis No. T19-025Final pH of Leachate 5.833

Dilution Factor

19 Leachant Replacement Date and Time(d:hr:min) 10/1/99; 9:30Initial pH of Leachant 3.650Cation Analysis No. T20-025Final pH of Leachate 6.032

Dilution Factor

20 Leachant Replacement Date and Time(d:hr:min) 10/5/99; 9:30Initial pH of Leachant 3.815Cation Analysis No. T21-025Final pH of Leachate 6.183

Dilution Factor

21 Leachant Replacement Date and Time(d:hr:min) 10/8/99; 9:30Initial pH of Leachant 3.799Cation Analysis No. T22-025Final pH of Leachate 5.754

Dilution Factor

22 Leachant Replacement Date and Time(d:hr:min) 10/12/99; 9:45Initial pH of Leachant 3.925Cation Analysis No. T23-025Final pH of Leachate 5.853

Dilution Factor

JP
10/14/99

025

23 Leachant Replacement Date and Time(d:hr:min) 10/15/99 9:45
Initial pH of Leachant 3.847 Final pH of Leachate 5.765
Cation Analysis No. T24-025 Dilution Factor _____

24 Leachant Replacement Date and Time(d:hr:min) 10/26/99 10:00
Initial pH of Leachant 3.806 Final pH of Leachate 6.473
Cation Analysis No. T25-025 Dilution Factor _____

25 Leachant Replacement Date and Time(d:hr:min) 10/2/99 9:55
Initial pH of Leachant 3.790 Final pH of Leachate 6.811
Cation Analysis No. T26-025 Dilution Factor _____

26 Leachant Replacement Date and Time(d:hr:min) 11/9/99 9:30
Initial pH of Leachant 3.722 Final pH of Leachate 6.561
Cation Analysis No. T27-025 Dilution Factor _____

27 Leachant Replacement Date and Time(d:hr:min) 11/16/99 1:00
Initial pH of Leachant 3.618 Final pH of Leachate 6.250
Cation Analysis No. T28-025 Dilution Factor _____

28 Leachant Replacement Date and Time(d:hr:min) 11/23/99 10:30
Initial pH of Leachant 3.563 Final pH of Leachate 5.975
Cation Analysis No. T29-025 Dilution Factor _____

29 Leachant Replacement Date and Time(d:hr:min) 11/30/99 10:00
Initial pH of Leachant 3.605 Final pH of Leachate 5.895
Cation Analysis No. T30-025 Dilution Factor _____

30 Leachant Replacement Date and Time(d:hr:min) 12/7/99 11:15
Initial pH of Leachant 4.145 Final pH of Leachate 5.685
Cation Analysis No. T31-025 Dilution Factor _____

31 Leachant Replacement Date and Time(d:hr:min) 12/14/99 10:00
Initial pH of Leachant 3.760 Final pH of Leachate 5.220
Cation Analysis No. T32-025 Dilution Factor _____

32 Leachant Replacement Date and Time(d:hr:min) 12/21/99 10:00
Initial pH of Leachant 3.759 Final pH of Leachate 5.779
Cation Analysis No. T33-025 Dilution Factor _____

33 Leachant Replacement Date and Time(d:hr:min) 12/28/99 11:15
Initial pH of Leachant 3.819 Final pH of Leachate 5.388
Cation Analysis No. T34-025 Dilution Factor _____

34 Leachant Replacement Date and Time(d:hr:min) 1/4/00 10:30
Initial pH of Leachant 3.762 Final pH of Leachate 5.431
Cation Analysis No. T35-025 Dilution Factor _____

35 Leachant Replacement Date and Time(d:hr:min) 1/11/00 10:30
Initial pH of Leachant 3.705 Final pH of Leachate 5.517
Cation Analysis No. T36-025 Dilution Factor _____

36 Leachant Replacement Date and Time(d:hr:min) 1/18/00 10:50
Initial pH of Leachant 3.693 Final pH of Leachate 5.658
Cation Analysis No. T37-025 Dilution Factor _____

JP
1/20/00

025

37 Leachant Replacement Date and Time(d:hr:min) 1/25/00 10:45
Initial pH of Leachant 3.627 Final pH of Leachate 5.670
Cation Analysis No. T38-025 Dilution Factor _____

38 Leachant Replacement Date and Time(d:hr:min) 2/2/00 3pm
Initial pH of Leachant 3.521 Final pH of Leachate 5.976
Cation Analysis No. T39-025 Dilution Factor _____

39 Leachant Replacement Date and Time(d:hr:min) 2/15/00 10:30
Initial pH of Leachant 3.497 Final pH of Leachate 6.616
Cation Analysis No. T40-025 Dilution Factor _____

40 Leachant Replacement Date and Time(d:hr:min) 2/29/00 2:30pm
Initial pH of Leachant 4.177 Final pH of Leachate 6.260
Cation Analysis No. T41-025 Dilution Factor _____

41 Leachant Replacement Date and Time(d:hr:min) 3/14/00 11:00am
Initial pH of Leachant 3.861 Final pH of Leachate 5.922
Cation Analysis No. T42-025 Dilution Factor _____

42 Leachant Replacement Date and Time(d:hr:min) 3/28/00 10:00am
Initial pH of Leachant 3.586 Final pH of Leachate 6.134
Cation Analysis No. T43-025 Dilution Factor _____

43 Leachant Replacement Date and Time(d:hr:min) 4/11/00 2:00 pm
Initial pH of Leachant 3.526 Final pH of Leachate 5.829
Cation Analysis No. T44-025 Dilution Factor _____

44 Leachant Replacement Date and Time(d:hr:min) 4/25/00 2:00 pm
Initial pH of Leachant 3.589 Final pH of Leachate 5.867
Cation Analysis No. T45-025 Dilution Factor _____

45 Leachant Replacement Date and Time(d:hr:min) 5/4/00 10:30
Initial pH of Leachant 3.578 Final pH of Leachate 5.915
Cation Analysis No. T46-025 Dilution Factor _____

46 Leachant Replacement Date and Time(d:hr:min) 5/23/00 2:00pm
Initial pH of Leachant 3.444 Final pH of Leachate 5.885
Cation Analysis No. T47-025 Dilution Factor _____

47 Leachant Replacement Date and Time(d:hr:min) 6/6/00 10:30
Initial pH of Leachant 3.467 Final pH of Leachate 5.896
Cation Analysis No. T48-025 Dilution Factor _____

48 Leachant Replacement Date and Time(d:hr:min) 6/20/00 1:00pm
Initial pH of Leachant 3.430 Final pH of Leachate 6.042
Cation Analysis No. T49-025 Dilution Factor _____

49 Leachant Replacement Date and Time(d:hr:min) 7/5/00 8:30
Initial pH of Leachant 3.425 Final pH of Leachate 6.028
Cation Analysis No. T50-025 Dilution Factor _____

50 Leachant Replacement Date and Time(d:hr:min) 7/18/00 10:30
Initial pH of Leachant 3.410 Final pH of Leachate 5.664
Cation Analysis No. T51-025 Dilution Factor _____

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8/11/00

LONG-TERM TEST DATA SHEET

Test ID SRS LF2 - T3Vessel ID No. 026Batch Cleaning No. 7-21-99Glass Sample ID SRSSample Weight (g) 3.00042Sample Preparation Date 7-26-99Type of Solution 0.0025 M FeCl₂Leachant Volume (ml) 30Initial pH of Leachant 3.949Weight of Empty Vessel (g) 126.45490Weight of Vessel + Sample (g) 129.479002nd Weight of Sample (Difference of the last two items) (g) 3.02410Total Weight of Vessel + Sample + Solution (g) 158.99900Test Temperature 90°CDate and Time Test Started (d:hr:min) 7/27/99; 10:20Final pH of Leachate 9.003Cation Analysis No. T1-026

Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 7/30/99; 9:50Initial pH of Leachant 3.867Final pH of Leachate 8.724Cation Analysis No. T2-026

Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 8/3/99; 9:15Initial pH of Leachant 3.854Final pH of Leachate 8.255Cation Analysis No. T3-026

Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 8/6/99; 10:05Initial pH of Leachant 3.752Final pH of Leachate 8.189Cation Analysis No. T4-026

Dilution Factor _____

4 Leachant Replacement Date and Time(d:hr:min) 8/10/99; 10:25Initial pH of Leachant 3.650Final pH of Leachate 7.593Cation Analysis No. T5-026

Dilution Factor _____

5 Leachant Replacement Date and Time(d:hr:min) 8/13/99; 10:15Initial pH of Leachant 3.784Final pH of Leachate 7.656Cation Analysis No. T6-026

Dilution Factor _____

6 Leachant Replacement Date and Time(d:hr:min) 8/17/99; 10:12Initial pH of Leachant 3.750Final pH of Leachate 6.695Cation Analysis No. T7-026

Dilution Factor _____

7 Leachant Replacement Date and Time(d:hr:min) 8/20/99; 8:50Initial pH of Leachant 3.686Final pH of Leachate 7.014Cation Analysis No. T8-026

Dilution Factor _____

8 Leachant Replacement Date and Time(d:hr:min) 8/24/99; 9:00Initial pH of Leachant 3.695Final pH of Leachate 6.867Cation Analysis No. T9-026

Dilution Factor _____

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8/26/99

C26

9 Leachant Replacement Date and Time(d:hr:min) 8/27/99; 8:45Initial pH of Leachant 3.675Final pH of Leachate 6.800 6.752 *8/31/99*Cation Analysis No. T10-026

Dilution Factor _____

10 Leachant Replacement Date and Time(d:hr:min) 8/31/99; 9:30Initial pH of Leachant 4.308Final pH of Leachate 6.350Cation Analysis No. T11-026

Dilution Factor _____

11 Leachant Replacement Date and Time(d:hr:min) 9/3/99; 9:30Initial pH of Leachant 4.208Final pH of Leachate 6.402Cation Analysis No. T12-026

Dilution Factor _____

12 Leachant Replacement Date and Time(d:hr:min) 9/7/99; 9:00Initial pH of Leachant 4.070Final pH of Leachate 6.266Cation Analysis No. T13-026

Dilution Factor _____

13 Leachant Replacement Date and Time(d:hr:min) 9/10/99; 10:00Initial pH of Leachant 3.927Final pH of Leachate 6.196Cation Analysis No. T14-026

Dilution Factor _____

14 Leachant Replacement Date and Time(d:hr:min) 9/14/99; 9:15Initial pH of Leachant 3.916Final pH of Leachate 5.775Cation Analysis No. T15-026

Dilution Factor _____

15 Leachant Replacement Date and Time(d:hr:min) 9/17/99; 9:00Initial pH of Leachant 3.950Final pH of Leachate 6.020Cation Analysis No. T16-026

Dilution Factor _____

16 Leachant Replacement Date and Time(d:hr:min) 9/21/99; 10:00Initial pH of Leachant 3.920Final pH of Leachate 6.049Cation Analysis No. T17-026

Dilution Factor _____

17 Leachant Replacement Date and Time(d:hr:min) 9/24/99; 10:30Initial pH of Leachant 3.647Final pH of Leachate 5.812Cation Analysis No. T18-026

Dilution Factor _____

18 Leachant Replacement Date and Time(d:hr:min) 9/28/99; 9:30Initial pH of Leachant 3.705Final pH of Leachate 5.584Cation Analysis No. T19-026

Dilution Factor _____

19 Leachant Replacement Date and Time(d:hr:min) 10/1/99; 9:30Initial pH of Leachant 3.650Final pH of Leachate 6.162Cation Analysis No. T20-026

Dilution Factor _____

20 Leachant Replacement Date and Time(d:hr:min) 10/5/99; 9:30Initial pH of Leachant 3.815Final pH of Leachate 6.177Cation Analysis No. T21-026

Dilution Factor _____

21 Leachant Replacement Date and Time(d:hr:min) 10/8/99; 9:30Initial pH of Leachant 3.799Final pH of Leachate 5.665Cation Analysis No. T22-026

Dilution Factor _____

22 Leachant Replacement Date and Time(d:hr:min) 10/12/99; 9:45Initial pH of Leachant 3.925Final pH of Leachate 5.826Cation Analysis No. T23-026

Dilution Factor _____

JP
10/14/99

026

23 Leachant Replacement Date and Time(d:hr:min) 10/15/99 9:45
Initial pH of Leachant 3.847 Final pH of Leachate 5.883
Cation Analysis No. T24-026 Dilution Factor _____

24 Leachant Replacement Date and Time(d:hr:min) 10/26/99 10:00
Initial pH of Leachant 3.806 Final pH of Leachate 6.518
Cation Analysis No. T25-026 Dilution Factor _____

25 Leachant Replacement Date and Time(d:hr:min) 11/2/99 9:55
Initial pH of Leachant 3.790 Final pH of Leachate 6.788
Cation Analysis No. T26-026 Dilution Factor _____

26 Leachant Replacement Date and Time(d:hr:min) 11/9/99 9:30
Initial pH of Leachant 3.722 Final pH of Leachate 6.583
Cation Analysis No. T27-026 Dilution Factor _____

27 Leachant Replacement Date and Time(d:hr:min) 11/16/99 1:00
Initial pH of Leachant 3.618 Final pH of Leachate 6.261
Cation Analysis No. T28-026 Dilution Factor _____

28 Leachant Replacement Date and Time(d:hr:min) 11/23/99 10:30
Initial pH of Leachant 3.563 Final pH of Leachate 6.045
Cation Analysis No. T29-026 Dilution Factor _____

29 Leachant Replacement Date and Time(d:hr:min) 11/30/99 10:00
Initial pH of Leachant 3.605 Final pH of Leachate 5.935
Cation Analysis No. T30-026 Dilution Factor _____

30 Leachant Replacement Date and Time(d:hr:min) 12/7/99 11:15
Initial pH of Leachant 4.145 Final pH of Leachate 5.783
Cation Analysis No. T31-026 Dilution Factor _____

31 Leachant Replacement Date and Time(d:hr:min) 12/14/99 10:00
Initial pH of Leachant 3.760 Final pH of Leachate 5.434
Cation Analysis No. T32-026 Dilution Factor _____

32 Leachant Replacement Date and Time(d:hr:min) 12/21/99 10:00
Initial pH of Leachant 3.759 Final pH of Leachate 5.835
Cation Analysis No. T33-026 Dilution Factor _____

33 Leachant Replacement Date and Time(d:hr:min) 12/28/99 11:15
Initial pH of Leachant 3.819 Final pH of Leachate 5.618
Cation Analysis No. T34-026 Dilution Factor _____

34 Leachant Replacement Date and Time(d:hr:min) 1/4/00 10:30
Initial pH of Leachant 3.762 Final pH of Leachate 5.622
Cation Analysis No. T35-026 Dilution Factor _____

35 Leachant Replacement Date and Time(d:hr:min) 1/11/00 10:30
Initial pH of Leachant 3.705 Final pH of Leachate 5.667
Cation Analysis No. T36-026 Dilution Factor _____

36 Leachant Replacement Date and Time(d:hr:min) 1/18/00 10:50
Initial pH of Leachant 3.693 Final pH of Leachate 5.879
Cation Analysis No. T37-026 Dilution Factor _____

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026

37 Leachant Replacement Date and Time(d:hr:min) 1/25/00 10:45
Initial pH of Leachant 3.627 Final pH of Leachate 5.680
Cation Analysis No. T38-026 Dilution Factor _____

38 Leachant Replacement Date and Time(d:hr:min) 2/2/00 3pm
Initial pH of Leachant 3.531 Final pH of Leachate 6.153
Cation Analysis No. T39-026 Dilution Factor _____

39 Leachant Replacement Date and Time(d:hr:min) 2/15/00 10:30
Initial pH of Leachant 3.497 Final pH of Leachate 6.535
Cation Analysis No. T40-026 Dilution Factor _____

40 Leachant Replacement Date and Time(d:hr:min) 2/29/00 2:30pm
Initial pH of Leachant 4.177 Final pH of Leachate 6.555
Cation Analysis No. T41-026 Dilution Factor _____

41 Leachant Replacement Date and Time(d:hr:min) 3/14/00 11:00 am
Initial pH of Leachant 3.861 Final pH of Leachate 6.096
Cation Analysis No. T42-026 Dilution Factor _____

42 Leachant Replacement Date and Time(d:hr:min) 3/28/00 10:00 am
Initial pH of Leachant 3.586 Final pH of Leachate 6.145
Cation Analysis No. T43-026 Dilution Factor _____

43 Leachant Replacement Date and Time(d:hr:min) 4/11/00 2:00 pm
Initial pH of Leachant 3.586 Final pH of Leachate 5.819
Cation Analysis No. T44-026 Dilution Factor _____

44 Leachant Replacement Date and Time(d:hr:min) 4/25/00 2:00 pm
Initial pH of Leachant 3.589 Final pH of Leachate 5.875
Cation Analysis No. T45-026 Dilution Factor _____

45 Leachant Replacement Date and Time(d:hr:min) 5/5/00 10:30
Initial pH of Leachant 3.578 Final pH of Leachate 5.935
Cation Analysis No. T46-026 Dilution Factor _____

46 Leachant Replacement Date and Time(d:hr:min) 5/23/00 2:00 pm
Initial pH of Leachant 3.444 Final pH of Leachate 5.906
Cation Analysis No. T47-026 Dilution Factor _____

47 Leachant Replacement Date and Time(d:hr:min) 6/6/00 10:30
Initial pH of Leachant 3.467 Final pH of Leachate 5.886
Cation Analysis No. T48-026 Dilution Factor _____

48 Leachant Replacement Date and Time(d:hr:min) 6/20/00 1:00 pm
Initial pH of Leachant 3.430 Final pH of Leachate 5.892
Cation Analysis No. T49-026 Dilution Factor _____

49 Leachant Replacement Date and Time(d:hr:min) 7/5/00 8:30
Initial pH of Leachant 3.425 Final pH of Leachate 5.923
Cation Analysis No. T50-026 Dilution Factor _____

50 Leachant Replacement Date and Time(d:hr:min) 7/18/00 10:30
Initial pH of Leachant 3.410 Final pH of Leachate 5.822
Cation Analysis No. T51-026 Dilution Factor _____

YJP
8/11/00

LONG-TERM TEST DATA SHEET

Test ID WVNSLF2-T1Vessel ID No. 027Batch Cleaning No. 1-21-99Glass Sample ID WVNSSample Weight (g) 2.99778Sample Preparation Date 7-26-99Type of Solution 0.0025 M FeCl₂Leachant Volume (ml) 30Initial pH of Leachant 3.949Weight of Empty Vessel (g) 126.88470Weight of Vessel + Sample (g) 129.874902nd Weight of Sample (Difference of the last two items) (g) 2.99020Total Weight of Vessel + Sample + Solution (g) 157.38200Test Temperature 90°CDate and Time Test Started (d:hr:min) 7/27/99; 10:20Final pH of Leachate 9.345Cation Analysis No. T1-027

Dilution Factor

1 Leachant Replacement Date and Time(d:hr:min) 7/30/99; 9:50Initial pH of Leachant 3.867Final pH of Leachate 9.284Cation Analysis No. T2-027

Dilution Factor

2 Leachant Replacement Date and Time(d:hr:min) 8/3/99; 9:15Initial pH of Leachant 3.854Final pH of Leachate 8.920Cation Analysis No. T3-027

Dilution Factor

3 Leachant Replacement Date and Time(d:hr:min) 8/6/99; 10:05Initial pH of Leachant 3.752Final pH of Leachate 8.948Cation Analysis No. T4-027

Dilution Factor

4 Leachant Replacement Date and Time(d:hr:min) 8/10/99; 10:25Initial pH of Leachant 3.650Final pH of Leachate 8.693Cation Analysis No. T5-027

Dilution Factor

5 Leachant Replacement Date and Time(d:hr:min) 8/13/99; 10:15Initial pH of Leachant 3.784Final pH of Leachate 8.673Cation Analysis No. T6-027

Dilution Factor

6 Leachant Replacement Date and Time(d:hr:min) 8/17/99; 10:2Initial pH of Leachant 3.756Final pH of Leachate 8.412Cation Analysis No. T7-027

Dilution Factor

7 Leachant Replacement Date and Time(d:hr:min) 8/20/99; 8:50Initial pH of Leachant 3.686Final pH of Leachate 8.572Cation Analysis No. T8-027

Dilution Factor

8 Leachant Replacement Date and Time(d:hr:min) 8/24/99; 9:00Initial pH of Leachant 3.695Final pH of Leachate 8.268Cation Analysis No. T9-027

Dilution Factor

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8/26/99

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9 Leachant Replacement Date and Time(d:hr:min) 8/27/99; 8:45Initial pH of Leachant 3.675Final pH of Leachate 8.439Cation Analysis No. T10-027

Dilution Factor

10 Leachant Replacement Date and Time(d:hr:min) 8/31/99; 9:30Initial pH of Leachant 4.308Final pH of Leachate 8.210Cation Analysis No. T11-027

Dilution Factor

11 Leachant Replacement Date and Time(d:hr:min) 9/3/99; 9:30Initial pH of Leachant 4.208Final pH of Leachate 8.238Cation Analysis No. T12-027

Dilution Factor

12 Leachant Replacement Date and Time(d:hr:min) 9/7/99; 9:00Initial pH of Leachant 4.070Final pH of Leachate 8.002Cation Analysis No. T13-027

Dilution Factor

13 Leachant Replacement Date and Time(d:hr:min) 9/10/99; 10:00Initial pH of Leachant 3.927Final pH of Leachate 8.006Cation Analysis No. T14-027

Dilution Factor

14 Leachant Replacement Date and Time(d:hr:min) 9/14/99; 9:15Initial pH of Leachant 3.916Final pH of Leachate 7.667Cation Analysis No. T15-027

Dilution Factor

15 Leachant Replacement Date and Time(d:hr:min) 9/17/99; 9:00Initial pH of Leachant 3.950Final pH of Leachate 7.814Cation Analysis No. T16-027

Dilution Factor

16 Leachant Replacement Date and Time(d:hr:min) 9/21/99; 10:00Initial pH of Leachant 3.920Final pH of Leachate 7.152Cation Analysis No. T17-027

Dilution Factor

17 Leachant Replacement Date and Time(d:hr:min) 9/24/99; 10:30Initial pH of Leachant 3.697Final pH of Leachate 7.525Cation Analysis No. T18-027

Dilution Factor

18 Leachant Replacement Date and Time(d:hr:min) 9/28/99; 9:30Initial pH of Leachant 3.705Final pH of Leachate 7.072Cation Analysis No. T19-027

Dilution Factor

19 Leachant Replacement Date and Time(d:hr:min) 10/1/99; 9:30Initial pH of Leachant 3.650Final pH of Leachate 7.215Cation Analysis No. T20-027

Dilution Factor

20 Leachant Replacement Date and Time(d:hr:min) 10/5/99; 9:30Initial pH of Leachant 3.815Final pH of Leachate 7.189Cation Analysis No. T21-027

Dilution Factor

21 Leachant Replacement Date and Time(d:hr:min) 10/8/99; 9:30Initial pH of Leachant 3.799Final pH of Leachate 6.798Cation Analysis No. T22-027

Dilution Factor

22 Leachant Replacement Date and Time(d:hr:min) 10/12/99; 9:15Initial pH of Leachant 3.925Final pH of Leachate 7.080Cation Analysis No. T23-027

Dilution Factor

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10/14/99

027

23 Leachant Replacement Date and Time(d:hr:min) 10/15/99 9:45
Initial pH of Leachant 3.847 Final pH of Leachate 6.980
Cation Analysis No. T24-027 Dilution Factor _____

24 Leachant Replacement Date and Time(d:hr:min) 10/26/99 10:00
Initial pH of Leachant 3.806 Final pH of Leachate 7.753
Cation Analysis No. T25-027 Dilution Factor _____

25 Leachant Replacement Date and Time(d:hr:min) 11/2/99 9:55
Initial pH of Leachant 3.790 Final pH of Leachate 7.871
Cation Analysis No. T26-027 Dilution Factor _____

26 Leachant Replacement Date and Time(d:hr:min) 11/9/99 9:30
Initial pH of Leachant 3.722 Final pH of Leachate 7.780
Cation Analysis No. T27-027 Dilution Factor _____

27 Leachant Replacement Date and Time(d:hr:min) 11/16/99 1:00
Initial pH of Leachant 3.618 Final pH of Leachate 7.976
Cation Analysis No. T28-027 Dilution Factor _____

28 Leachant Replacement Date and Time(d:hr:min) 11/23/99 10:30
Initial pH of Leachant 3.563 Final pH of Leachate 7.858
Cation Analysis No. T29-027 Dilution Factor _____

29 Leachant Replacement Date and Time(d:hr:min) 11/30/99 10:00
Initial pH of Leachant 3.605 Final pH of Leachate 7.631
Cation Analysis No. T30-027 Dilution Factor _____

30 Leachant Replacement Date and Time(d:hr:min) 12/7/99 11:15
Initial pH of Leachant 4.145 Final pH of Leachate 7.451
Cation Analysis No. T31-027 Dilution Factor _____

31 Leachant Replacement Date and Time(d:hr:min) 12/14/99 10:00
Initial pH of Leachant 3.760 Final pH of Leachate 7.380
Cation Analysis No. T32-027 Dilution Factor _____

32 Leachant Replacement Date and Time(d:hr:min) 12/21/99 10:00
Initial pH of Leachant 3.759 Final pH of Leachate 7.460
Cation Analysis No. T33-027 Dilution Factor _____

33 Leachant Replacement Date and Time(d:hr:min) 12/28/99 11:15
Initial pH of Leachant 3.819 Final pH of Leachate 7.138
Cation Analysis No. T34-027 Dilution Factor _____

34 Leachant Replacement Date and Time(d:hr:min) 1/4/00 10:30
Initial pH of Leachant 3.762 Final pH of Leachate 7.033
Cation Analysis No. T35-027 Dilution Factor _____

35 Leachant Replacement Date and Time(d:hr:min) 1/11/00 10:30
Initial pH of Leachant 3.705 Final pH of Leachate 7.085
Cation Analysis No. T36-027 Dilution Factor _____

36 Leachant Replacement Date and Time(d:hr:min) 1/18/00 10:50
Initial pH of Leachant 3.693 Final pH of Leachate 6.776
Cation Analysis No. T37-027 Dilution Factor _____

gdp
1/20/00

027

37 Leachant Replacement Date and Time(d:hr:min) 1/25/00 10:45
Initial pH of Leachant 3.627 Final pH of Leachate 7.144
Cation Analysis No. T38-027 Dilution Factor _____

38 Leachant Replacement Date and Time(d:hr:min) 2/2/00 3pm
Initial pH of Leachant 3.531 Final pH of Leachate 7.663
Cation Analysis No. T39-027 Dilution Factor _____

39 Leachant Replacement Date and Time(d:hr:min) 2/15/00 10:30
Initial pH of Leachant 3.497 Final pH of Leachate 7.813
Cation Analysis No. T40-027 Dilution Factor _____

40 Leachant Replacement Date and Time(d:hr:min) 2/29/00 2:30pm
Initial pH of Leachant 4.177 Final pH of Leachate 7.675
Cation Analysis No. T41-027 Dilution Factor _____

41 Leachant Replacement Date and Time(d:hr:min) 3/14/00 11:00am
Initial pH of Leachant 3.861 Final pH of Leachate 7.793
Cation Analysis No. T42-027 Dilution Factor _____

42 Leachant Replacement Date and Time(d:hr:min) 3/28/00 10:00am
Initial pH of Leachant 3.586 Final pH of Leachate 7.429
Cation Analysis No. T43-027 Dilution Factor _____

43 Leachant Replacement Date and Time(d:hr:min) 4/1/00 2:00pm
Initial pH of Leachant 3.586 Final pH of Leachate 7.389
Cation Analysis No. T44-027 Dilution Factor _____

44 Leachant Replacement Date and Time(d:hr:min) 4/25/00 2:00pm
Initial pH of Leachant 3.589 Final pH of Leachate 7.664
Cation Analysis No. T45-027 Dilution Factor _____

45 Leachant Replacement Date and Time(d:hr:min) 5/9/00 10:30
Initial pH of Leachant 3.578 Final pH of Leachate 7.295
Cation Analysis No. T46-027 Dilution Factor _____

46 Leachant Replacement Date and Time(d:hr:min) 5/23/00 2:00pm
Initial pH of Leachant 3.444 Final pH of Leachate 7.384
Cation Analysis No. T47-027 Dilution Factor _____

47 Leachant Replacement Date and Time(d:hr:min) 6/6/00 10:30
Initial pH of Leachant 3.467 Final pH of Leachate 7.368
Cation Analysis No. T48-027 Dilution Factor _____

48 Leachant Replacement Date and Time(d:hr:min) 6/20/00 1:00pm
Initial pH of Leachant 3.430 Final pH of Leachate 7.268
Cation Analysis No. T49-027 Dilution Factor _____

49 Leachant Replacement Date and Time(d:hr:min) 7/5/00 8:30
Initial pH of Leachant 3.425 Final pH of Leachate 7.175
Cation Analysis No. T50-027 Dilution Factor _____

50 Leachant Replacement Date and Time(d:hr:min) 7/18/00 10:30
Initial pH of Leachant 3.410 Final pH of Leachate 7.101
Cation Analysis No. T51-027 Dilution Factor _____

gdp
8/11/00

LONG-TERM TEST DATA SHEET

Test ID WVNSLF2-T2Vessel ID No. 028Batch Cleaning No. 7-21-99Glass Sample ID WVNSSample Weight (g) 3.00069Sample Preparation Date 7-26-99Type of Solution 0.0025 M FeCl₂Leachant Volume (ml) 30Initial pH of Leachant 3.949Weight of Empty Vessel (g) 127.07585Weight of Vessel + Sample (g) 130.067352nd Weight of Sample (Difference of the last two items) (g) 2.99150Total Weight of Vessel + Sample + Solution (g) 159.65470Test Temperature 90°CDate and Time Test Started (d:hr:min) 7/27/99; 10:20Final pH of Leachate 9.363Cation Analysis No. T1-028

Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 7/30/99; 9:50Initial pH of Leachant 3.867Cation Analysis No. T2-028Final pH of Leachate 9.281

Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 8/3/99; 9:15Initial pH of Leachant 3.854Cation Analysis No. T3-028Final pH of Leachate 8.943

Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 8/6/99; 10:05Initial pH of Leachant 3.752Cation Analysis No. T4-028Final pH of Leachate 8.970

Dilution Factor _____

4 Leachant Replacement Date and Time(d:hr:min) 8/10/99; 10:25Initial pH of Leachant 3.650Cation Analysis No. T5-028Final pH of Leachate 8.688

Dilution Factor _____

5 Leachant Replacement Date and Time(d:hr:min) 8/13/99; 10:15Initial pH of Leachant 3.784Cation Analysis No. T6-028Final pH of Leachate 8.780

Dilution Factor _____

6 Leachant Replacement Date and Time(d:hr:min) 8/17/99; 10:12Initial pH of Leachant 3.750Cation Analysis No. T7-028Final pH of Leachate 8.505

Dilution Factor _____

7 Leachant Replacement Date and Time(d:hr:min) 8/20/99; 8:50Initial pH of Leachant 3.686Cation Analysis No. T8-028Final pH of Leachate 8.596

Dilution Factor _____

8 Leachant Replacement Date and Time(d:hr:min) 8/24/99; 9:00Initial pH of Leachant 3.645Cation Analysis No. T9-028Final pH of Leachate 8.352

Dilution Factor _____

JP
8/26/99

028

9 Leachant Replacement Date and Time(d:hr:min) 8/27/99; 8:45Initial pH of Leachant 3.625Cation Analysis No. T10-028Final pH of Leachate 8.458

Dilution Factor _____

10 Leachant Replacement Date and Time(d:hr:min) 8/31/99; 9:30Initial pH of Leachant 4.208Cation Analysis No. T11-028Final pH of Leachate 8.243

Dilution Factor _____

11 Leachant Replacement Date and Time(d:hr:min) 9/3/99; 9:30Initial pH of Leachant 4.208Cation Analysis No. T12-028Final pH of Leachate 8.307

Dilution Factor _____

12 Leachant Replacement Date and Time(d:hr:min) 9/7/99; 9:00Initial pH of Leachant 4.070Cation Analysis No. T13-028Final pH of Leachate 8.299 ^{9/10/99} 7.930

Dilution Factor _____

13 Leachant Replacement Date and Time(d:hr:min) 9/10/99; 10:00Initial pH of Leachant 3.927Cation Analysis No. T14-028Final pH of Leachate 8.058

Dilution Factor _____

14 Leachant Replacement Date and Time(d:hr:min) 9/14/99; 9:15Initial pH of Leachant 3.916Cation Analysis No. T15-028Final pH of Leachate 7.715

Dilution Factor _____

15 Leachant Replacement Date and Time(d:hr:min) 9/17/99; 9:00Initial pH of Leachant 3.950Cation Analysis No. T16-028Final pH of Leachate 7.867

Dilution Factor _____

16 Leachant Replacement Date and Time(d:hr:min) 9/21/99; 10:00Initial pH of Leachant 3.920Cation Analysis No. T17-028Final pH of Leachate 7.176

Dilution Factor _____

17 Leachant Replacement Date and Time(d:hr:min) 9/24/99; 10:30Initial pH of Leachant 3.697Cation Analysis No. T18-028Final pH of Leachate 7.664

Dilution Factor _____

18 Leachant Replacement Date and Time(d:hr:min) 9/28/99; 9:30Initial pH of Leachant 3.705Cation Analysis No. T19-028Final pH of Leachate 7.247

Dilution Factor _____

19 Leachant Replacement Date and Time(d:hr:min) 10/1/99; 9:30Initial pH of Leachant 3.650Cation Analysis No. T20-028Final pH of Leachate 7.280

Dilution Factor _____

20 Leachant Replacement Date and Time(d:hr:min) 10/5/99; 9:30Initial pH of Leachant 3.815Cation Analysis No. T21-028Final pH of Leachate 7.312

Dilution Factor _____

21 Leachant Replacement Date and Time(d:hr:min) 10/8/99; 9:30Initial pH of Leachant 3.799Cation Analysis No. T22-028Final pH of Leachate 6.835

Dilution Factor _____

22 Leachant Replacement Date and Time(d:hr:min) 10/12/99; 9:45Initial pH of Leachant 3.925Cation Analysis No. T23-028Final pH of Leachate 7.171

Dilution Factor _____

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10/14/99

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23 Leachant Replacement Date and Time(d:hr:min) 10/15/99, 9:45
Initial pH of Leachant 3.847 Final pH of Leachate 7.069
Cation Analysis No. T24-028 Dilution Factor _____

24 Leachant Replacement Date and Time(d:hr:min) 10/26/99, 10:00
Initial pH of Leachant 3.806 Final pH of Leachate 7.878
Cation Analysis No. T25-028 Dilution Factor _____

25 Leachant Replacement Date and Time(d:hr:min) 11/2/99, 9:55
Initial pH of Leachant 3.790 Final pH of Leachate 8.011
Cation Analysis No. T26-028 Dilution Factor _____

26 Leachant Replacement Date and Time(d:hr:min) 11/3/99, 9:30
Initial pH of Leachant 3.722 Final pH of Leachate 7.693
Cation Analysis No. T27-028 Dilution Factor _____

27 Leachant Replacement Date and Time(d:hr:min) 11/19/99, 1:00
Initial pH of Leachant 3.68 Final pH of Leachate 8.031
Cation Analysis No. T28-028 Dilution Factor _____

28 Leachant Replacement Date and Time(d:hr:min) 11/23/99, 10:30
Initial pH of Leachant 3.563 Final pH of Leachate 7.921
Cation Analysis No. T29-028 Dilution Factor _____

29 Leachant Replacement Date and Time(d:hr:min) 11/30/99, 10:00
Initial pH of Leachant 3.605 Final pH of Leachate 7.837
Cation Analysis No. T30-028 Dilution Factor _____

30 Leachant Replacement Date and Time(d:hr:min) 12/7/99, 11:15
Initial pH of Leachant 4.145 Final pH of Leachate 7.354
Cation Analysis No. T31-028 Dilution Factor _____

31 Leachant Replacement Date and Time(d:hr:min) 12/14/99, 10:00
Initial pH of Leachant 3.760 Final pH of Leachate 7.267
Cation Analysis No. T32-028 Dilution Factor _____

32 Leachant Replacement Date and Time(d:hr:min) 12/21/99, 10:00
Initial pH of Leachant 3.759 Final pH of Leachate 7.558
Cation Analysis No. T33-028 Dilution Factor _____

33 Leachant Replacement Date and Time(d:hr:min) 12/28/99, 11:15
Initial pH of Leachant 3.819 Final pH of Leachate 7.385
Cation Analysis No. T34-028 Dilution Factor _____

34 Leachant Replacement Date and Time(d:hr:min) 1/4/00, 10:30
Initial pH of Leachant 3.762 Final pH of Leachate 7.304
Cation Analysis No. T35-028 Dilution Factor _____

35 Leachant Replacement Date and Time(d:hr:min) 1/11/00, 10:30
Initial pH of Leachant 3.705 Final pH of Leachate 7.076
Cation Analysis No. T36-028 Dilution Factor _____

36 Leachant Replacement Date and Time(d:hr:min) 1/18/00, 10:50
Initial pH of Leachant 3.693 Final pH of Leachate 7.003
Cation Analysis No. T37-028 Dilution Factor _____

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1/20/00

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37 Leachant Replacement Date and Time(d:hr:min) 1/25/00, 10:45
Initial pH of Leachant 3.627 Final pH of Leachate 7.113
Cation Analysis No. T38-028 Dilution Factor _____

38 Leachant Replacement Date and Time(d:hr:min) 2/2/00, 3pm
Initial pH of Leachant 3.531 Final pH of Leachate 7.768
Cation Analysis No. T39-028 Dilution Factor _____

39 Leachant Replacement Date and Time(d:hr:min) 2/15/00, 10:30
Initial pH of Leachant 3.497 Final pH of Leachate 7.844
Cation Analysis No. T40-028 Dilution Factor _____

40 Leachant Replacement Date and Time(d:hr:min) 2/29/00, 2:30pm
Initial pH of Leachant 4.177 Final pH of Leachate 7.808
Cation Analysis No. T41-028 Dilution Factor _____

41 Leachant Replacement Date and Time(d:hr:min) 3/14/00, 11:00am
Initial pH of Leachant 3.861 Final pH of Leachate 7.546
Cation Analysis No. T42-028 Dilution Factor _____

42 Leachant Replacement Date and Time(d:hr:min) 3/28/00, 10:00am
Initial pH of Leachant 3.586 Final pH of Leachate 7.489
Cation Analysis No. T43-028 Dilution Factor _____

43 Leachant Replacement Date and Time(d:hr:min) 4/11/00, 2:00 pm
Initial pH of Leachant 3.586 Final pH of Leachate 7.760 7.422
Cation Analysis No. T44-028 Dilution Factor _____

44 Leachant Replacement Date and Time(d:hr:min) 4/25/00, 2:00 pm
Initial pH of Leachant 3.589 Final pH of Leachate 7.623
Cation Analysis No. T45-028 Dilution Factor _____

45 Leachant Replacement Date and Time(d:hr:min) 5/9/00, 10:30
Initial pH of Leachant 3.578 Final pH of Leachate 7.399
Cation Analysis No. T46-028 Dilution Factor _____

46 Leachant Replacement Date and Time(d:hr:min) 5/23/00, 2:00pm
Initial pH of Leachant 3.444 Final pH of Leachate 7.442
Cation Analysis No. T47-028 Dilution Factor _____

47 Leachant Replacement Date and Time(d:hr:min) 6/6/00, 10:30
Initial pH of Leachant 3.467 Final pH of Leachate 7.477
Cation Analysis No. T48-028 Dilution Factor _____

48 Leachant Replacement Date and Time(d:hr:min) 6/20/00, 1:00pm
Initial pH of Leachant 3.430 Final pH of Leachate 7.344
Cation Analysis No. T49-028 Dilution Factor _____

49 Leachant Replacement Date and Time(d:hr:min) 7/5/00, 8:30
Initial pH of Leachant 3.445 Final pH of Leachate 7.222
Cation Analysis No. T50-028 Dilution Factor _____

50 Leachant Replacement Date and Time(d:hr:min) 7/18/00, 10:30
Initial pH of Leachant 3.410 Final pH of Leachate 6.881
Cation Analysis No. T51-028 Dilution Factor _____

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8/11/00

LONG-TERM TEST DATA SHEET

Test ID WVNS LF2-T3Vessel ID No. 029Batch Cleaning No. 7-21-99Glass Sample ID WVNSSample Weight (g) 3.00291Sample Preparation Date 7-26-99Type of Solution 0.0025 M FeCl₂Leachant Volume (ml) 30Initial pH of Leachant 3.949Weight of Empty Vessel (g) 126.66885Weight of Vessel + Sample (g) 129.658702nd Weight of Sample (Difference of the last two items) (g) 2.98985Total Weight of Vessel + Sample + Solution (g) 159.35500Test Temperature 90°CDate and Time Test Started (d:hr:min) 7/27/99; 10:20Final pH of Leachate 9.335Cation Analysis No. T1-029

Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 7/30/99; 9:50Initial pH of Leachant 3.867Cation Analysis No. T2-029Final pH of Leachate 9.305

Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 8/3/99; 9:15Initial pH of Leachant 3.854Cation Analysis No. T3-029Final pH of Leachate 8.940

Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 8/6/99; 10:05Initial pH of Leachant 3.752Cation Analysis No. T4-029Final pH of Leachate 8.962

Dilution Factor _____

4 Leachant Replacement Date and Time(d:hr:min) 8/10/99; 10:25Initial pH of Leachant 3.650Cation Analysis No. T5-029Final pH of Leachate 8.670

Dilution Factor _____

5 Leachant Replacement Date and Time(d:hr:min) 8/13/99; 10:15Initial pH of Leachant 3.784Cation Analysis No. T6-029Final pH of Leachate 8.715

Dilution Factor _____

6 Leachant Replacement Date and Time(d:hr:min) 8/17/99; 10:12Initial pH of Leachant 3.750Cation Analysis No. T7-029Final pH of Leachate 8.458

Dilution Factor _____

7 Leachant Replacement Date and Time(d:hr:min) 8/20/99; 8:50Initial pH of Leachant 3.686Cation Analysis No. T8-029Final pH of Leachate 8.582

Dilution Factor _____

8 Leachant Replacement Date and Time(d:hr:min) 8/24/99; 9:00Initial pH of Leachant 3.645Cation Analysis No. T9-029Final pH of Leachate 8.343

Dilution Factor _____

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9 Leachant Replacement Date and Time(d:hr:min) 8/27/99; 8:45Initial pH of Leachant 3.675Cation Analysis No. T10-029Final pH of Leachate 8.419

Dilution Factor _____

10 Leachant Replacement Date and Time(d:hr:min) 8/31/99; 9:30Initial pH of Leachant 4.308Cation Analysis No. T11-029Final pH of Leachate 8.215

Dilution Factor _____

11 Leachant Replacement Date and Time(d:hr:min) 9/3/99; 9:30Initial pH of Leachant 4.208Cation Analysis No. T12-029Final pH of Leachate 8.299

Dilution Factor _____

12 Leachant Replacement Date and Time(d:hr:min) 9/7/99; 9:00Initial pH of Leachant 4.070Cation Analysis No. T13-029Final pH of Leachate 7.966

Dilution Factor _____

13 Leachant Replacement Date and Time(d:hr:min) 9/10/99; 10:00Initial pH of Leachant 3.927Cation Analysis No. T14-029Final pH of Leachate 8.022

Dilution Factor _____

14 Leachant Replacement Date and Time(d:hr:min) 9/14/99; 9:15Initial pH of Leachant 3.916Cation Analysis No. T15-029Final pH of Leachate 7.710

Dilution Factor _____

15 Leachant Replacement Date and Time(d:hr:min) 9/17/99; 9:00Initial pH of Leachant 3.950Cation Analysis No. T16-029Final pH of Leachate 7.850

Dilution Factor _____

16 Leachant Replacement Date and Time(d:hr:min) 9/21/99; 10:00Initial pH of Leachant 3.920Cation Analysis No. T17-029Final pH of Leachate 7.171

Dilution Factor _____

17 Leachant Replacement Date and Time(d:hr:min) 9/24/99; 10:30Initial pH of Leachant 3.647Cation Analysis No. T18-029Final pH of Leachate 7.605

Dilution Factor _____

18 Leachant Replacement Date and Time(d:hr:min) 9/28/99; 9:30Initial pH of Leachant 3.705Cation Analysis No. T19-029Final pH of Leachate 7.161

Dilution Factor _____

19 Leachant Replacement Date and Time(d:hr:min) 10/1/99Initial pH of Leachant 3.650Cation Analysis No. T20-029Final pH of Leachate 7.246

Dilution Factor _____

20 Leachant Replacement Date and Time(d:hr:min) 10/5/99; 9:30Initial pH of Leachant 3.815Cation Analysis No. T21-029Final pH of Leachate 7.212

Dilution Factor _____

21 Leachant Replacement Date and Time(d:hr:min) 10/8/99; 9:30Initial pH of Leachant 3.749Cation Analysis No. T22-029Final pH of Leachate 6.842

Dilution Factor _____

22 Leachant Replacement Date and Time(d:hr:min) 10/12/99; 9:45Initial pH of Leachant 3.925Cation Analysis No. T23-029Final pH of Leachate 7.065

Dilution Factor _____

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23 Leachant Replacement Date and Time(d:hr:min) 10/15/99 9:45
Initial pH of Leachant 3.847 Final pH of Leachate 7.070
Cation Analysis No. T24-029 Dilution Factor _____

24 Leachant Replacement Date and Time(d:hr:min) 10/26/99 10:00
Initial pH of Leachant 3.806 Final pH of Leachate 7.796
Cation Analysis No. T25-029 Dilution Factor _____

25 Leachant Replacement Date and Time(d:hr:min) 11/2/99 9:55
Initial pH of Leachant 3.790 Final pH of Leachate 7.949
Cation Analysis No. T26-029 Dilution Factor _____

26 Leachant Replacement Date and Time(d:hr:min) 11/9/99 9:30
Initial pH of Leachant 3.722 Final pH of Leachate 7.811
Cation Analysis No. T27-029 Dilution Factor _____

27 Leachant Replacement Date and Time(d:hr:min) 11/16/99 1:00
Initial pH of Leachant 3.618 Final pH of Leachate 8.021
Cation Analysis No. T28-029 Dilution Factor _____

28 Leachant Replacement Date and Time(d:hr:min) 10:30 11/23/99
Initial pH of Leachant 3.563 Final pH of Leachate 7.960
Cation Analysis No. T29-029 Dilution Factor _____

29 Leachant Replacement Date and Time(d:hr:min) 11/30/99 10:00
Initial pH of Leachant 3.605 Final pH of Leachate 7.780
Cation Analysis No. T30-029 Dilution Factor _____

30 Leachant Replacement Date and Time(d:hr:min) 12/7/99 11:15
Initial pH of Leachant 4.145 Final pH of Leachate 7.303
Cation Analysis No. T31-029 Dilution Factor _____

31 Leachant Replacement Date and Time(d:hr:min) 12/14/99 10:00
Initial pH of Leachant 3.760 Final pH of Leachate 7.388
Cation Analysis No. T32-029 Dilution Factor _____

32 Leachant Replacement Date and Time(d:hr:min) 12/21/99 10:00
Initial pH of Leachant 3.759 Final pH of Leachate 7.530
Cation Analysis No. T33-029 Dilution Factor _____

33 Leachant Replacement Date and Time(d:hr:min) 12/28/99 11:15
Initial pH of Leachant 3.819 Final pH of Leachate 7.266
Cation Analysis No. T34-029 Dilution Factor _____

34 Leachant Replacement Date and Time(d:hr:min) 1/4/00 10:30
Initial pH of Leachant 3.762 Final pH of Leachate 7.158
Cation Analysis No. T35-029 Dilution Factor _____

35 Leachant Replacement Date and Time(d:hr:min) 1/11/00 10:30
Initial pH of Leachant 3.705 Final pH of Leachate 7.115
Cation Analysis No. T36-029 Dilution Factor _____

36 Leachant Replacement Date and Time(d:hr:min) 1/18/00 10:50
Initial pH of Leachant 3.693 Final pH of Leachate 7.038
Cation Analysis No. T37-029 Dilution Factor _____

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37 Leachant Replacement Date and Time(d:hr:min) 1/25/00 10:45
Initial pH of Leachant 3.627 Final pH of Leachate 7.171
Cation Analysis No. T38-029 Dilution Factor _____

38 Leachant Replacement Date and Time(d:hr:min) 2/2/00 3pm
Initial pH of Leachant 3.531 Final pH of Leachate 7.549
Cation Analysis No. T39-029 Dilution Factor _____

39 Leachant Replacement Date and Time(d:hr:min) 2/15/00 10:30
Initial pH of Leachant 3.497 Final pH of Leachate 7.860
Cation Analysis No. T40-029 Dilution Factor _____

40 Leachant Replacement Date and Time(d:hr:min) 2/29/00 2:30pm
Initial pH of Leachant 4.177 Final pH of Leachate 7.874
Cation Analysis No. T41-029 Dilution Factor _____

41 Leachant Replacement Date and Time(d:hr:min) 3/14/00 11:00am
Initial pH of Leachant 3.861 Final pH of Leachate 7.567
Cation Analysis No. T42-029 Dilution Factor _____

42 Leachant Replacement Date and Time(d:hr:min) 3/28/00 10:00am
Initial pH of Leachant 3.586 Final pH of Leachate 7.760
Cation Analysis No. T43-029 Dilution Factor _____

43 Leachant Replacement Date and Time(d:hr:min) 4/1/00 2:00 pm
Initial pH of Leachant 3.586 Final pH of Leachate 7.510
Cation Analysis No. T44-029 Dilution Factor _____

44 Leachant Replacement Date and Time(d:hr:min) 4/25/00 2:00 pm
Initial pH of Leachant 3.589 Final pH of Leachate 7.765
Cation Analysis No. T45-029 Dilution Factor _____

45 Leachant Replacement Date and Time(d:hr:min) 5/1/00 10:30
Initial pH of Leachant 3.578 Final pH of Leachate 7.397
Cation Analysis No. T46-029 Dilution Factor _____

46 Leachant Replacement Date and Time(d:hr:min) 5/23/00 2:00pm
Initial pH of Leachant 3.444 Final pH of Leachate 7.426
Cation Analysis No. T47-029 Dilution Factor _____

47 Leachant Replacement Date and Time(d:hr:min) 6/6/00 10:30
Initial pH of Leachant 3.467 Final pH of Leachate 7.405
Cation Analysis No. T48-029 Dilution Factor _____

48 Leachant Replacement Date and Time(d:hr:min) 6/20/00 1:00pm
Initial pH of Leachant 3.430 Final pH of Leachate 7.309
Cation Analysis No. T49-029 Dilution Factor _____

49 Leachant Replacement Date and Time(d:hr:min) 7/5/00 8:30
Initial pH of Leachant 3.425 Final pH of Leachate 7.246
Cation Analysis No. T50-029 Dilution Factor _____

50 Leachant Replacement Date and Time(d:hr:min) 7/28/00 10:30
Initial pH of Leachant 3.410 Final pH of Leachate 7.142
Cation Analysis No. T51-029 Dilution Factor _____

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8/11/00

LONG-TERM TEST DATA SHEET

Test ID SRS LF3-T1

Vessel ID No. 030

Batch Cleaning No. 7-21-99

Glass Sample ID SRS

Sample Weight (g) 2.99926

Sample Preparation Date 7-26-99

Type of Solution 0.0025 M FeCl₃

Leachant Volume (ml) 30

Initial pH of Leachant 2.215

Weight of Empty Vessel (g) 127.90665

Weight of Vessel + Sample (g) 130.90400

2nd Weight of Sample (Difference of the last two items) (g) 2.99935

Total Weight of Vessel + Sample + Solution (g) 160.44555

Test Temperature 90°C

Date and Time Test Started (d:hr:min) 7/27/99; 10:20

Final pH of Leachate 8.472

Cation Analysis No. T1-030

Dilution Factor

1 Leachant Replacement Date and Time(d:hr:min) 7/30/99; 9:50

Initial pH of Leachant 2.223

Final pH of Leachate 8.175

Cation Analysis No. T2-030

Dilution Factor

2 Leachant Replacement Date and Time(d:hr:min) 8/3/99; 9:15

Initial pH of Leachant 2.278

Final pH of Leachate 7.168

Cation Analysis No. T3-030

Dilution Factor

3 Leachant Replacement Date and Time(d:hr:min) 8/6/99; 10:05

Initial pH of Leachant 2.132

Final pH of Leachate 7.025

Cation Analysis No. T4-030

Dilution Factor

4 Leachant Replacement Date and Time(d:hr:min) 8/10/99; 10:25

Initial pH of Leachant 2.123

Final pH of Leachate 6.555

Cation Analysis No. T5-030

Dilution Factor

5 Leachant Replacement Date and Time(d:hr:min) 8/13/99; 10:15

Initial pH of Leachant 2.258

Final pH of Leachate 6.374

Cation Analysis No. T6-030

Dilution Factor

6 Leachant Replacement Date and Time(d:hr:min) 8/17/99; 10:12

Initial pH of Leachant 2.158

Final pH of Leachate 5.294

Cation Analysis No. T7-030

Dilution Factor

7 Leachant Replacement Date and Time(d:hr:min) 8/20/99; 8:50

Initial pH of Leachant 2.238

Final pH of Leachate 5.966

Cation Analysis No. T8-030

Dilution Factor

8 Leachant Replacement Date and Time(d:hr:min) 8/24/99; 9:00

Initial pH of Leachant 2.235

Final pH of Leachate 4.416

Cation Analysis No. T9-030

Dilution Factor 4.516 7/27/99

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8/26/99

0.30

9 Leachant Replacement Date and Time(d:hr:min) 8/27/99; 8:45

Initial pH of Leachant 2.214

Final pH of Leachate 4.891

Cation Analysis No. T10-030

Dilution Factor

10 Leachant Replacement Date and Time(d:hr:min) 8/31/99; 9:30

Initial pH of Leachant 2.426

Final pH of Leachate 3.425

Cation Analysis No. T11-030

Dilution Factor

11 Leachant Replacement Date and Time(d:hr:min) 9/3/99; 9:30

Initial pH of Leachant 2.336

Final pH of Leachate 3.721

Cation Analysis No. T12-030

Dilution Factor

12 Leachant Replacement Date and Time(d:hr:min) 9/7/99; 9:00

Initial pH of Leachant 2.318

Final pH of Leachate 3.195

Cation Analysis No. T13-030

Dilution Factor

13 Leachant Replacement Date and Time(d:hr:min) 9/10/99; 10:00

Initial pH of Leachant 2.282

Final pH of Leachate 3.571

Cation Analysis No. T14-030

Dilution Factor

14 Leachant Replacement Date and Time(d:hr:min) 9/14/99; 9:15

Initial pH of Leachant 2.276

Final pH of Leachate 3.206

Cation Analysis No. T15-030

Dilution Factor

15 Leachant Replacement Date and Time(d:hr:min) 9/17/99; 9:00

Initial pH of Leachant 2.320

Final pH of Leachate 3.708

Cation Analysis No. T16-030

Dilution Factor

16 Leachant Replacement Date and Time(d:hr:min) 9/21/99; 10:00

Initial pH of Leachant 2.330

Final pH of Leachate 3.102

Cation Analysis No. T17-030

Dilution Factor

17 Leachant Replacement Date and Time(d:hr:min) 9/24/99; 10:30

Initial pH of Leachant 2.204

Final pH of Leachate 3.438

Cation Analysis No. T18-030

Dilution Factor

18 Leachant Replacement Date and Time(d:hr:min) 9/28/99; 9:30

Initial pH of Leachant 2.200

Final pH of Leachate 3.028

Cation Analysis No. T19-030

Dilution Factor

19 Leachant Replacement Date and Time(d:hr:min) 10/1/99; 9:30

Initial pH of Leachant 2.175

Final pH of Leachate 3.557

Cation Analysis No. T20-030

Dilution Factor

20 Leachant Replacement Date and Time(d:hr:min) 10/5/99; 9:30

Initial pH of Leachant 2.100

Final pH of Leachate 3.684

Cation Analysis No. T21-030

Dilution Factor

21 Leachant Replacement Date and Time(d:hr:min) 10/8/99; 9:30

Initial pH of Leachant 2.098

Final pH of Leachate 3.089

Cation Analysis No. T22-030

Dilution Factor

22 Leachant Replacement Date and Time(d:hr:min) 10/12/99; 9:15

Initial pH of Leachant 2.227

Final pH of Leachate 3.434

Cation Analysis No. T23-030

Dilution Factor

Y.P. Per
10/14/99

030

23 Leachant Replacement Date and Time(d:hr:min) 10/15/99; 9:45
Initial pH of Leachant 2.294 Final pH of Leachate 3.591
Cation Analysis No. T24-030 Dilution Factor _____

24 Leachant Replacement Date and Time(d:hr:min) 10/26/99; 10:00
Initial pH of Leachant 2.330 Final pH of Leachate 5.846
Cation Analysis No. T25-030 Dilution Factor _____

25 Leachant Replacement Date and Time(d:hr:min) 11/2/99; 9:55
Initial pH of Leachant 2.290 Final pH of Leachate 6.057
Cation Analysis No. T26-030 Dilution Factor _____

26 Leachant Replacement Date and Time(d:hr:min) 11/9/99; 9:30
Initial pH of Leachant 2.265 Final pH of Leachate 6.321
Cation Analysis No. T27-030 Dilution Factor _____

27 Leachant Replacement Date and Time(d:hr:min) 11/16/99; 1:00
Initial pH of Leachant 2.205 Final pH of Leachate 5.250
Cation Analysis No. T28-030 Dilution Factor _____

28 Leachant Replacement Date and Time(d:hr:min) 11/23/99; 10:30
Initial pH of Leachant 2.240 Final pH of Leachate 3.820
Cation Analysis No. T29-030 Dilution Factor _____

29 Leachant Replacement Date and Time(d:hr:min) 11/30/99 10:00
Initial pH of Leachant 2.215 Final pH of Leachate 3.293
Cation Analysis No. T30-030 Dilution Factor _____

30 Leachant Replacement Date and Time(d:hr:min) 12/7/99 11:15
Initial pH of Leachant 2.436 Final pH of Leachate 3.134
Cation Analysis No. T31-030 Dilution Factor _____

31 Leachant Replacement Date and Time(d:hr:min) 12/14/99 10:00
Initial pH of Leachant 2.322 Final pH of Leachate 3.117
Cation Analysis No. T32-030 Dilution Factor _____

32 Leachant Replacement Date and Time(d:hr:min) 12/21/99 10:00
Initial pH of Leachant 3.803 Final pH of Leachate 3.183
Cation Analysis No. T33-030 Dilution Factor _____

33 Leachant Replacement Date and Time(d:hr:min) 12/28/99 11:15
Initial pH of Leachant 2.258 Final pH of Leachate 3.123
Cation Analysis No. T34-030 Dilution Factor _____

34 Leachant Replacement Date and Time(d:hr:min) 1/4/00 10:30
Initial pH of Leachant 2.265 Final pH of Leachate 3.142
Cation Analysis No. T35-030 Dilution Factor _____

35 Leachant Replacement Date and Time(d:hr:min) 1/11/00 10:30
Initial pH of Leachant 2.263 Final pH of Leachate 3.224
Cation Analysis No. T36-030 Dilution Factor _____

36 Leachant Replacement Date and Time(d:hr:min) 1/18/00 10:50
Initial pH of Leachant 2.364 Final pH of Leachate 3.313
Cation Analysis No. T37-030 Dilution Factor _____

gdp
1/20/00

030

37 Leachant Replacement Date and Time(d:hr:min) 1/25/00 10:45
Initial pH of Leachant 2.242 Final pH of Leachate 3.321
Cation Analysis No. T38-030 Dilution Factor _____

38 Leachant Replacement Date and Time(d:hr:min) 2/2/00 3pm
Initial pH of Leachant 2.326 Final pH of Leachate 5.257
Cation Analysis No. T39-030 Dilution Factor _____

39 Leachant Replacement Date and Time(d:hr:min) 2/15/00 10:30
Initial pH of Leachant 2.182 Final pH of Leachate 6.050
Cation Analysis No. T40-030 Dilution Factor _____

40 Leachant Replacement Date and Time(d:hr:min) 2/29/00 2:30pm
Initial pH of Leachant 2.368 Final pH of Leachate 6.064
Cation Analysis No. T41-030 Dilution Factor _____

41 Leachant Replacement Date and Time(d:hr:min) 3/14/00 11:00am
Initial pH of Leachant 2.267 Final pH of Leachate 5.786
Cation Analysis No. T42-030 Dilution Factor _____

42 Leachant Replacement Date and Time(d:hr:min) 3/28/00 10:00am
Initial pH of Leachant 2.193 Final pH of Leachate 4.996
Cation Analysis No. T43-030 Dilution Factor _____

43 Leachant Replacement Date and Time(d:hr:min) 4/11/00 2:00 pm
Initial pH of Leachant 2.212 Final pH of Leachate 4.744
Cation Analysis No. T44-030 Dilution Factor _____

44 Leachant Replacement Date and Time(d:hr:min) 4/25/00 2:00 pm
Initial pH of Leachant 2.282 Final pH of Leachate 4.744 3.561
Cation Analysis No. T45-030 Dilution Factor _____

45 Leachant Replacement Date and Time(d:hr:min) 5/9/00 10:30
Initial pH of Leachant 2.236 Final pH of Leachate 3.56
Cation Analysis No. T46-030 Dilution Factor _____

46 Leachant Replacement Date and Time(d:hr:min) 5/23/00 2:00pm
Initial pH of Leachant 2.261 Final pH of Leachate 3.31
Cation Analysis No. T47-030 Dilution Factor _____

47 Leachant Replacement Date and Time(d:hr:min) 6/6/00 10:30
Initial pH of Leachant 2.270 Final pH of Leachate 3.31
Cation Analysis No. T48-030 Dilution Factor _____

48 Leachant Replacement Date and Time(d:hr:min) 6/20/00 1:00pm
Initial pH of Leachant 2.256 Final pH of Leachate 3.346
Cation Analysis No. T49-030 Dilution Factor _____

49 Leachant Replacement Date and Time(d:hr:min) 7/5/00 8:30
Initial pH of Leachant 2.234 Final pH of Leachate 3.238
Cation Analysis No. T50-030 Dilution Factor _____

50 Leachant Replacement Date and Time(d:hr:min) 7/18/00 10:30
Initial pH of Leachant 2.207 Final pH of Leachate 3.253
Cation Analysis No. T51-030 Dilution Factor _____

gdp
8/11/00

LONG-TERM TEST DATA SHEET

Test ID SRS LF3-T2

Vessel ID No. 031

Batch Cleaning No. 7-21-99

Glass Sample ID SRS

Sample Weight (g) 3.00120

Sample Preparation Date 7-26-99

Type of Solution 0.0025 M FeCl₃

Leachant Volume (ml) 30

Initial pH of Leachant 2.215

Weight of Empty Vessel (g) 126.72360

Weight of Vessel + Sample (g) 129.72435

2nd Weight of Sample (Difference of the last two items) (g) 3.00075

Total Weight of Vessel + Sample + Solution (g) 159.27920

Test Temperature 90°C

Date and Time Test Started (d:hr:min) 7/27/99; 10:20

Final pH of Leachate 8.516

Cation Analysis No. T1-031

Dilution Factor

1 Leachant Replacement Date and Time(d:hr:min) 7/30/99; 9:50

Initial pH of Leachant 2.223

Cation Analysis No. T2-031

Final pH of Leachate 8.111

Dilution Factor

2 Leachant Replacement Date and Time(d:hr:min) 8/3/99; 9:15

Initial pH of Leachant 2.278

Cation Analysis No. T3-031

Final pH of Leachate 7.274

Dilution Factor

3 Leachant Replacement Date and Time(d:hr:min) 8/6/99; 10:05

Initial pH of Leachant 2.132

Cation Analysis No. T4-031

Final pH of Leachate 7.031

Dilution Factor

4 Leachant Replacement Date and Time(d:hr:min) 8/10/99; 10:25

Initial pH of Leachant 2.123

Cation Analysis No. T5-031

Final pH of Leachate 6.513

Dilution Factor

5 Leachant Replacement Date and Time(d:hr:min) 8/13/99; 10:15

Initial pH of Leachant 2.258

Cation Analysis No. T6-031

Final pH of Leachate 6.534

Dilution Factor

6 Leachant Replacement Date and Time(d:hr:min) 8/17/99; 10:12

Initial pH of Leachant 2.158

Cation Analysis No. T7-031

Final pH of Leachate 5.737

Dilution Factor

7 Leachant Replacement Date and Time(d:hr:min) 8/20/99; 8:50

Initial pH of Leachant 2.230

Cation Analysis No. T8-031

Final pH of Leachate 6.235

Dilution Factor

8 Leachant Replacement Date and Time(d:hr:min) 8/24/99; 9:00

Initial pH of Leachant 2.238

Cation Analysis No. T9-031

Final pH of Leachate 5.527

Dilution Factor

JP
8/26/99

031

9 Leachant Replacement Date and Time(d:hr:min) 8/27/99; 8:45

Initial pH of Leachant 2.214

Cation Analysis No. T10-031

Final pH of Leachate 5.544

Dilution Factor

10 Leachant Replacement Date and Time(d:hr:min) 8/31/99; 9:30

Initial pH of Leachant 2.426

Cation Analysis No. T11-031

Final pH of Leachate 4.188

Dilution Factor

11 Leachant Replacement Date and Time(d:hr:min) 9/3/99; 9:30

Initial pH of Leachant 2.336

Cation Analysis No. T12-031

Final pH of Leachate 4.001

Dilution Factor

12 Leachant Replacement Date and Time(d:hr:min) 9/7/99; 9:00

Initial pH of Leachant 2.318

Cation Analysis No. T13-031

Final pH of Leachate 3.232

Dilution Factor

13 Leachant Replacement Date and Time(d:hr:min) 9/10/99; 10:00

Initial pH of Leachant 2.282

Cation Analysis No. T14-031

Final pH of Leachate 3.726

Dilution Factor

14 Leachant Replacement Date and Time(d:hr:min) 9/14/99; 9:15

Initial pH of Leachant 2.276

Cation Analysis No. T15-031

Final pH of Leachate 3.132

Dilution Factor

15 Leachant Replacement Date and Time(d:hr:min) 9/17/99; 9:00

Initial pH of Leachant 2.320

Cation Analysis No. T16-031

Final pH of Leachate 3.550

Dilution Factor

16 Leachant Replacement Date and Time(d:hr:min) 9/21/99; 10:00

Initial pH of Leachant 2.330

Cation Analysis No. T17-031

Final pH of Leachate 3.028

Dilution Factor

17 Leachant Replacement Date and Time(d:hr:min) 9/21/99; 10:30

Initial pH of Leachant 2.204

Cation Analysis No. T18-031

Final pH of Leachate 3.348

Dilution Factor

18 Leachant Replacement Date and Time(d:hr:min) 9/28/99; 9:30

Initial pH of Leachant 2.200

Cation Analysis No. T19-031

Final pH of Leachate 2.992

Dilution Factor

19 Leachant Replacement Date and Time(d:hr:min) 10/1/99; 9:30

Initial pH of Leachant 2.175

Cation Analysis No. T20-031

Final pH of Leachate 3.446

Dilution Factor

20 Leachant Replacement Date and Time(d:hr:min) 10/5/99; 9:30

Initial pH of Leachant 2.100

Cation Analysis No. T21-031

Final pH of Leachate 3.590

Dilution Factor

21 Leachant Replacement Date and Time(d:hr:min) 10/8/99; 9:30

Initial pH of Leachant 2.098

Cation Analysis No. T22-031

Final pH of Leachate 3.028

Dilution Factor

22 Leachant Replacement Date and Time(d:hr:min) 10/12/99; 9:45

Initial pH of Leachant 2.227

Cation Analysis No. T23-031

Final pH of Leachate 3.365

Dilution Factor

JP
10/14/99

031

23 Leachant Replacement Date and Time(d:hr:min) 10/15/99 9:45
Initial pH of Leachant 2.294 Final pH of Leachate 3.468
Cation Analysis No. T24-031 Dilution Factor _____

24 Leachant Replacement Date and Time(d:hr:min) 10/26/99 10:00
Initial pH of Leachant 2.330 Final pH of Leachate 5.795
Cation Analysis No. T25-031 Dilution Factor _____

25 Leachant Replacement Date and Time(d:hr:min) 11/2/99 9:55
Initial pH of Leachant 2.290 Final pH of Leachate 6.105
Cation Analysis No. T26-031 Dilution Factor _____

26 Leachant Replacement Date and Time(d:hr:min) 11/9/99 9:30
Initial pH of Leachant 2.265 Final pH of Leachate 5.897
Cation Analysis No. T27-031 Dilution Factor _____

27 Leachant Replacement Date and Time(d:hr:min) 11/16/99 1:00
Initial pH of Leachant 2.205 Final pH of Leachate 5.530
Cation Analysis No. T28-031 Dilution Factor _____

28 Leachant Replacement Date and Time(d:hr:min) 11/23/99 10:30
Initial pH of Leachant 2.240 Final pH of Leachate 4.435
Cation Analysis No. T29-031 Dilution Factor _____

29 Leachant Replacement Date and Time(d:hr:min) 11/30/99 10:00
Initial pH of Leachant 2.215 Final pH of Leachate 3.476
Cation Analysis No. T30-031 Dilution Factor _____

30 Leachant Replacement Date and Time(d:hr:min) 12/7/99 11:15
Initial pH of Leachant 2.436 Final pH of Leachate 3.214
Cation Analysis No. T31-031 Dilution Factor _____

31 Leachant Replacement Date and Time(d:hr:min) 12/14/99 10:00
Initial pH of Leachant 2.322 Final pH of Leachate 3.130
Cation Analysis No. T32-031 Dilution Factor _____

32 Leachant Replacement Date and Time(d:hr:min) 12/21/99 10:00
Initial pH of Leachant 3.803 Final pH of Leachate 3.201
Cation Analysis No. T33-031 Dilution Factor _____

33 Leachant Replacement Date and Time(d:hr:min) 12/28/99 11:15
Initial pH of Leachant 2.258 Final pH of Leachate 3.130
Cation Analysis No. T34-031 Dilution Factor _____

34 Leachant Replacement Date and Time(d:hr:min) 1/4/00 10:30
Initial pH of Leachant 2.265 Final pH of Leachate 3.161
Cation Analysis No. T35-031 Dilution Factor _____

35 Leachant Replacement Date and Time(d:hr:min) 1/11/00 10:30
Initial pH of Leachant 2.269 Final pH of Leachate 3.234
Cation Analysis No. T36-031 Dilution Factor _____

36 Leachant Replacement Date and Time(d:hr:min) 1/18/00 10:50
Initial pH of Leachant 2.364 Final pH of Leachate 3.263
Cation Analysis No. T37-031 Dilution Factor _____

JP
1/20/00

031

37 Leachant Replacement Date and Time(d:hr:min) 1/25/00 10:45
Initial pH of Leachant 2.242 Final pH of Leachate 3.294
Cation Analysis No. T38-031 Dilution Factor _____

38 Leachant Replacement Date and Time(d:hr:min) 2/2/00 3pm
Initial pH of Leachant 2.326 Final pH of Leachate 5.125
Cation Analysis No. T39-031 Dilution Factor _____

39 Leachant Replacement Date and Time(d:hr:min) 3/15/00 10:30
Initial pH of Leachant 2.182 Final pH of Leachate 5.977
Cation Analysis No. T40-031 Dilution Factor _____

40 Leachant Replacement Date and Time(d:hr:min) 3/29/00 8:30am
Initial pH of Leachant 2.368 Final pH of Leachate 5.916
Cation Analysis No. T41-031 Dilution Factor _____

41 Leachant Replacement Date and Time(d:hr:min) 3/14/00 11:00am
Initial pH of Leachant 2.269 Final pH of Leachate 5.816
Cation Analysis No. T42-031 Dilution Factor _____

42 Leachant Replacement Date and Time(d:hr:min) 3/28/00 10:00 am
Initial pH of Leachant 2.193 Final pH of Leachate 5.174
Cation Analysis No. T43-031 Dilution Factor _____

43 Leachant Replacement Date and Time(d:hr:min) 4/11/00 2:00 pm
Initial pH of Leachant 2.212 Final pH of Leachate 5.054
Cation Analysis No. T44-031 Dilution Factor _____

44 Leachant Replacement Date and Time(d:hr:min) 4/25/00 2:00pm
Initial pH of Leachant 2.282 Final pH of Leachate 3.071
Cation Analysis No. T45-031 Dilution Factor _____

45 Leachant Replacement Date and Time(d:hr:min) 5/9/00 10:30
Initial pH of Leachant 2.236 Final pH of Leachate 3.34
Cation Analysis No. T46-031 Dilution Factor _____

46 Leachant Replacement Date and Time(d:hr:min) 5/23/00 2:00pm
Initial pH of Leachant 2.261 Final pH of Leachate 3.22
Cation Analysis No. T47-031 Dilution Factor _____

47 Leachant Replacement Date and Time(d:hr:min) 6/6/00 10:30
Initial pH of Leachant 2.270 Final pH of Leachate 3.29
Cation Analysis No. T48-031 Dilution Factor _____

48 Leachant Replacement Date and Time(d:hr:min) 6/20/00 1:00pm
Initial pH of Leachant 2.256 Final pH of Leachate 3.604
Cation Analysis No. T49-031 Dilution Factor _____

49 Leachant Replacement Date and Time(d:hr:min) 7/5/00 8:30
Initial pH of Leachant 2.234 Final pH of Leachate 3.131
Cation Analysis No. T50-031 Dilution Factor _____

50 Leachant Replacement Date and Time(d:hr:min) 7/18/00 10:30
Initial pH of Leachant 2.207 Final pH of Leachate 3.148
Cation Analysis No. T51-031 Dilution Factor _____

JP
6/6/00

JP
8/11/00

LONG-TERM TEST DATA SHEET

Test ID SRSLE3-T3

Vessel ID No. 032

Batch Cleaning No. 7-21-99

Glass Sample ID SRS

Sample Weight (g) 3.00159

Sample Preparation Date 7-26-99

Type of Solution 0.0025 M FeCl₃

Leachant Volume (ml) 30

Initial pH of Leachant 2.215

Weight of Empty Vessel (g) 126.24570

Weight of Vessel + Sample (g) 129.27025

2nd Weight of Sample (Difference of the last two items) (g) 3.02455

Total Weight of Vessel + Sample + Solution (g) 158.77640

Test Temperature 90°C

Date and Time Test Started (d:hr:min) 7/27/99; 10:20

Final pH of Leachate 8.425

Cation Analysis No. T1-032

Dilution Factor _____

1 Leachant Replacement Date and Time(d:hr:min) 7/30/99; 9:50

Initial pH of Leachant 2.223

Final pH of Leachate 7.985

Cation Analysis No. T2-032

Dilution Factor _____

2 Leachant Replacement Date and Time(d:hr:min) 8/3/99; 9:15

Initial pH of Leachant 2.278

Final pH of Leachate 6.855

Cation Analysis No. T3-032

Dilution Factor _____

3 Leachant Replacement Date and Time(d:hr:min) 8/6/99; 10:05

Initial pH of Leachant 2.132

Final pH of Leachate 6.979

Cation Analysis No. T4-032

Dilution Factor _____

4 Leachant Replacement Date and Time(d:hr:min) 8/10/99; 10:25

Initial pH of Leachant 2.123

Final pH of Leachate 6.363

Cation Analysis No. T5-032

Dilution Factor _____

5 Leachant Replacement Date and Time(d:hr:min) 8/13/99; 10:15

Initial pH of Leachant 2.258

Final pH of Leachate 6.472

Cation Analysis No. T6-032

Dilution Factor _____

6 Leachant Replacement Date and Time(d:hr:min) 8/17/99; 10:12

Initial pH of Leachant 2.158

Final pH of Leachate 5.352

Cation Analysis No. T7-032

Dilution Factor _____

7 Leachant Replacement Date and Time(d:hr:min) 8/20/99; 8:50

Initial pH of Leachant 2.230

Final pH of Leachate 5.983

Cation Analysis No. T8-032

Dilution Factor _____

8 Leachant Replacement Date and Time(d:hr:min) 8/24/99; 9:00

Initial pH of Leachant 2.238

Final pH of Leachate 4.613

Cation Analysis No. T9-032

Dilution Factor _____

JP
8/26/99

032

9 Leachant Replacement Date and Time(d:hr:min) 8/27/99; 8:45

Initial pH of Leachant 2.214

Final pH of Leachate 4.891 4.751

Cation Analysis No. T10-032

Dilution Factor _____

10 Leachant Replacement Date and Time(d:hr:min) 8/31/99; 9:30

Initial pH of Leachant 2.426

Final pH of Leachate 3.358

Cation Analysis No. T11-032

Dilution Factor _____

11 Leachant Replacement Date and Time(d:hr:min) 9/3/99; 9:30

Initial pH of Leachant 2.336

Final pH of Leachate 3.666

Cation Analysis No. T12-032

Dilution Factor _____

12 Leachant Replacement Date and Time(d:hr:min) 9/7/99; 9:00

Initial pH of Leachant 2.318

Final pH of Leachate 3.182

Cation Analysis No. T13-032

Dilution Factor _____

13 Leachant Replacement Date and Time(d:hr:min) 9/10/99; 10:00

Initial pH of Leachant 2.282

Final pH of Leachate 3.754

Cation Analysis No. T14-032

Dilution Factor _____

14 Leachant Replacement Date and Time(d:hr:min) 9/14/99; 9:15

Initial pH of Leachant 2.276

Final pH of Leachate 3.171

Cation Analysis No. T15-032

Dilution Factor _____

15 Leachant Replacement Date and Time(d:hr:min) 9/17/99; 9:00

Initial pH of Leachant 2.320

Final pH of Leachate 3.698

Cation Analysis No. T16-032

Dilution Factor _____

16 Leachant Replacement Date and Time(d:hr:min) 9/21/99; 10:00

Initial pH of Leachant 2.330

Final pH of Leachate 3.072

Cation Analysis No. T17-032

Dilution Factor _____

17 Leachant Replacement Date and Time(d:hr:min) 9/24/99; 10:30

Initial pH of Leachant 2.204

Final pH of Leachate 3.408

Cation Analysis No. T18-032

Dilution Factor _____

18 Leachant Replacement Date and Time(d:hr:min) 9/28/99; 9:30

Initial pH of Leachant 2.200

Final pH of Leachate 3.018

Cation Analysis No. T19-032

Dilution Factor _____

19 Leachant Replacement Date and Time(d:hr:min) 10/1/99; 9:30

Initial pH of Leachant 2.175

Final pH of Leachate 3.503

Cation Analysis No. T20-032

Dilution Factor _____

20 Leachant Replacement Date and Time(d:hr:min) 10/5/99; 9:30

Initial pH of Leachant 2.180

Final pH of Leachate 3.642

Cation Analysis No. T21-032

Dilution Factor _____

21 Leachant Replacement Date and Time(d:hr:min) 10/8/99; 9:30

Initial pH of Leachant 2.098

Final pH of Leachate 3.050

Cation Analysis No. T22-032

Dilution Factor _____

22 Leachant Replacement Date and Time(d:hr:min) 10/12/99; 9:45

Initial pH of Leachant 2.227

Final pH of Leachate 3.436

Cation Analysis No. T23-032

Dilution Factor _____

JP
10/14/99

032

23 Leachant Replacement Date and Time(d:hr:min) 10/15/99 9:45
Initial pH of Leachant 2.294 Final pH of Leachate 3.521
Cation Analysis No. T24-032 Dilution Factor _____

24 Leachant Replacement Date and Time(d:hr:min) 10/26/99 10:00
Initial pH of Leachant 2.330 Final pH of Leachate 5.665
Cation Analysis No. T25-032 Dilution Factor _____

25 Leachant Replacement Date and Time(d:hr:min) 11/2/99 9:55
Initial pH of Leachant 2.290 Final pH of Leachate 5.992
Cation Analysis No. T26-032 Dilution Factor _____

26 Leachant Replacement Date and Time(d:hr:min) 11/9/99 9:30
Initial pH of Leachant 2.265 Final pH of Leachate 5.763
Cation Analysis No. T27-032 Dilution Factor _____

27 Leachant Replacement Date and Time(d:hr:min) 11/16/99 1:00
Initial pH of Leachant 2.205 Final pH of Leachate 4.840
Cation Analysis No. T28-032 Dilution Factor _____

28 Leachant Replacement Date and Time(d:hr:min) 11/23/99 10:30
Initial pH of Leachant 2.240 Final pH of Leachate 3.626
Cation Analysis No. T29-032 Dilution Factor _____

29 Leachant Replacement Date and Time(d:hr:min) 11/30/99 10:00
Initial pH of Leachant 2.215 Final pH of Leachate 3.275
Cation Analysis No. T30-032 Dilution Factor _____

30 Leachant Replacement Date and Time(d:hr:min) 12/7/99 11:15
Initial pH of Leachant 2.436 Final pH of Leachate 3.181
Cation Analysis No. T31-032 Dilution Factor _____

31 Leachant Replacement Date and Time(d:hr:min) 12/14/99 10:00
Initial pH of Leachant 2.322 Final pH of Leachate 3.097
Cation Analysis No. T32-032 Dilution Factor _____

32 Leachant Replacement Date and Time(d:hr:min) 12/21/99 10:00
Initial pH of Leachant 3.803 Final pH of Leachate 3.179
Cation Analysis No. T33-032 Dilution Factor _____

33 Leachant Replacement Date and Time(d:hr:min) 12/28/99 11:15
Initial pH of Leachant 2.258 Final pH of Leachate 3.153
Cation Analysis No. T34-032 Dilution Factor _____

34 Leachant Replacement Date and Time(d:hr:min) 1/4/00 10:30
Initial pH of Leachant 2.265 Final pH of Leachate 3.177
Cation Analysis No. T35-032 Dilution Factor _____

35 Leachant Replacement Date and Time(d:hr:min) 1/11/00 10:30
Initial pH of Leachant 2.263 Final pH of Leachate 3.227
Cation Analysis No. T36-032 Dilution Factor _____

36 Leachant Replacement Date and Time(d:hr:min) 1/18/00 10:50
Initial pH of Leachant 2.364 Final pH of Leachate 3.330
Cation Analysis No. T37-032 Dilution Factor _____

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11/20/00

032

37 Leachant Replacement Date and Time(d:hr:min) 1/25/00 10:45
Initial pH of Leachant 2.242 Final pH of Leachate 3.274
Cation Analysis No. T38-032 Dilution Factor _____

38 Leachant Replacement Date and Time(d:hr:min) 2/2/00 3pm
Initial pH of Leachant 2.326 Final pH of Leachate 4.880
Cation Analysis No. T39-032 Dilution Factor _____

39 Leachant Replacement Date and Time(d:hr:min) 2/15/00 10:30
Initial pH of Leachant 2.182 Final pH of Leachate 5.733
Cation Analysis No. T40-032 Dilution Factor _____

40 Leachant Replacement Date and Time(d:hr:min) 2/29/00 2:30pm
Initial pH of Leachant 2.368 Final pH of Leachate 5.580
Cation Analysis No. T41-032 Dilution Factor _____

41 Leachant Replacement Date and Time(d:hr:min) 3/14/00 11:00am
Initial pH of Leachant 2.269 Final pH of Leachate 5.525
Cation Analysis No. T42-032 Dilution Factor _____

42 Leachant Replacement Date and Time(d:hr:min) 3/28/00 10:00am
Initial pH of Leachant 2.193 Final pH of Leachate 5.054
Cation Analysis No. T43-032 Dilution Factor _____

43 Leachant Replacement Date and Time(d:hr:min) 4/1/00 2:00 pm
Initial pH of Leachant 2.212 Final pH of Leachate 4.119
Cation Analysis No. T44-032 Dilution Factor _____

44 Leachant Replacement Date and Time(d:hr:min) 4/25/00 2:00 pm
Initial pH of Leachant 2.282 Final pH of Leachate 3.331
Cation Analysis No. T45-032 Dilution Factor _____

45 Leachant Replacement Date and Time(d:hr:min) 5/9/00 10:30
Initial pH of Leachant 2.236 Final pH of Leachate 3.42
Cation Analysis No. T46-032 Dilution Factor _____

46 Leachant Replacement Date and Time(d:hr:min) 5/23/00 2:00pm
Initial pH of Leachant 2.261 Final pH of Leachate 3.25
Cation Analysis No. T47-032 Dilution Factor _____

47 Leachant Replacement Date and Time(d:hr:min) 6/6/00 10:30
Initial pH of Leachant 2.270 Final pH of Leachate 3.30
Cation Analysis No. T48-032 Dilution Factor _____

48 Leachant Replacement Date and Time(d:hr:min) 6/20/00 12:00pm
Initial pH of Leachant 2.256 Final pH of Leachate 3.625
Cation Analysis No. T49-032 Dilution Factor _____

49 Leachant Replacement Date and Time(d:hr:min) 7/5/00 8:30
Initial pH of Leachant 2.234 Final pH of Leachate 3.194
Cation Analysis No. T50-032 Dilution Factor _____

50 Leachant Replacement Date and Time(d:hr:min) 7/18/00 10:30
Initial pH of Leachant 2.207 Final pH of Leachate 3.202
Cation Analysis No. T51-032 Dilution Factor _____

YJ Pa
8/11/00

