MONTICELLO PROJECTS
FEDERAL FACILITIES AGREEMENT REPORT
Report Period: January 1 – March 31, 2006
DOE Project Coordinator: Ray Plieness

HIGHLIGHTS

The Federal Facilities Agreement meeting was held February 21-22 in Salt Lake City, UT. Representatives from the U.S. Department of Energy (DOE), U.S. Environmental Protection Agency (EPA), Utah Department of Environmental Quality (UDEQ), and the DOE contractor attended. The schedule of work through the end of the fiscal year was determined.

MSG-OU III

The scope and schedule for biomonitoring to be conducted in 2006 was determined through discussion at the February FFA meeting and discussions among Biologic Technical Assistance Group members. Biomonitoring is conducted to determine if selenium is present in environmental media at potentially toxic levels to ecological receptors.

The preliminary draft *Consolidated LTSM Administrative and Operating Procedures Manual* was transmitted to DOE on March 14 for review and comment. This document will consolidate and replace the previously issued procedures manual (Volumes I through IV) and long-term administrative manual.

MRAP

Leachate collection rates temporarily exceeded the action level for the repository leak detection system (LDS). Contractor LTSM personnel are inspecting associated pumps and controls to investigate this anomalous occurrence.

MVP

No significant activities to report.

MONTICELLO PROJECTS
FEDERAL FACILITIES AGREEMENT REPORT
Report Period: January 1 – March 31, 2006
DOE Project Coordinator: Ray Plieness

STATUS

Operable Units I and II

The quarterly repository surveillance identified no unacceptable conditions. The repository leachate collection removal system (LCR) operated at normal levels during this period.

The monthly inspection of Pond 4 identified no unacceptable conditions. The Pond 4 leachate detection and removal systems operated at normal levels.

Water was pumped from the repository leak detection system (LDS) for the first time since cell completion. During a two-week period in February and March, the repository action level was temporarily exceeded (see attached pumping inventories). Contractor LTSM personnel are inspecting the pump and controls and will correct deficiencies as required. Persistent pumping in excess of the action level will initiate LDS leachate sampling and analysis in accordance with the *Repository and Pond 4 Groundwater Contingency Plan,* 1998.

SCHEDULE/EXPECTATIONS

See attached document submittal table for projected submittal dates.

NEW ISSUES/RESOLUTIONS

Stoller technical personnel will report to EPA and UDEQ the quantity of water that percolated onto the ACAP flap during the winter of 2004-2005 as an action item from the FFA meeting.

MONTICELLO SURFACE– AND GROUND–WATER PROJECT (MSG)

STATUS

No activities specific to OU III were implemented during this reporting period.

Scope and schedule for biomonitoring activities to be conducted during the remainder of 2006 were determined during this period.

SCHEDULE/EXPECTATIONS

See attached document submittal table for projected submittal dates.

- Biomonitoring sediment and surface water sampling will be conducted in April.
- Biomonitoring water surveys will begin in April or May and continue every other week through June.
- Biomonitoring macroinvertebrate sampling will occur in April and May.

NEW ISSUES/RESOLUTIONS

No new issues.

MONTICELLO VICINITY PROPERTIES (MVP) SITE ACTIVITIES

STATUS

No significant activities to report.

SCHEDULE/EXPECTATIONS

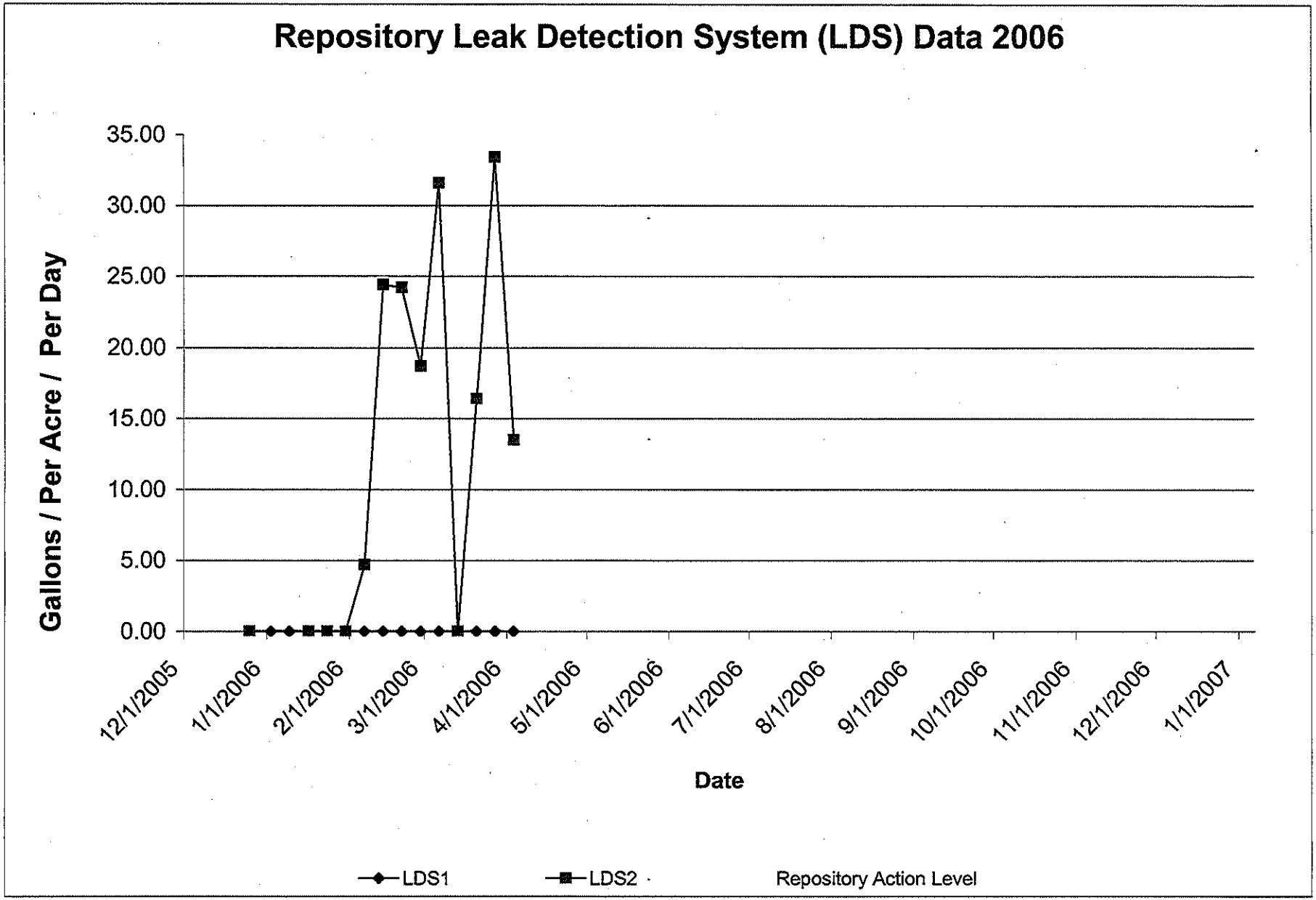
Not established.

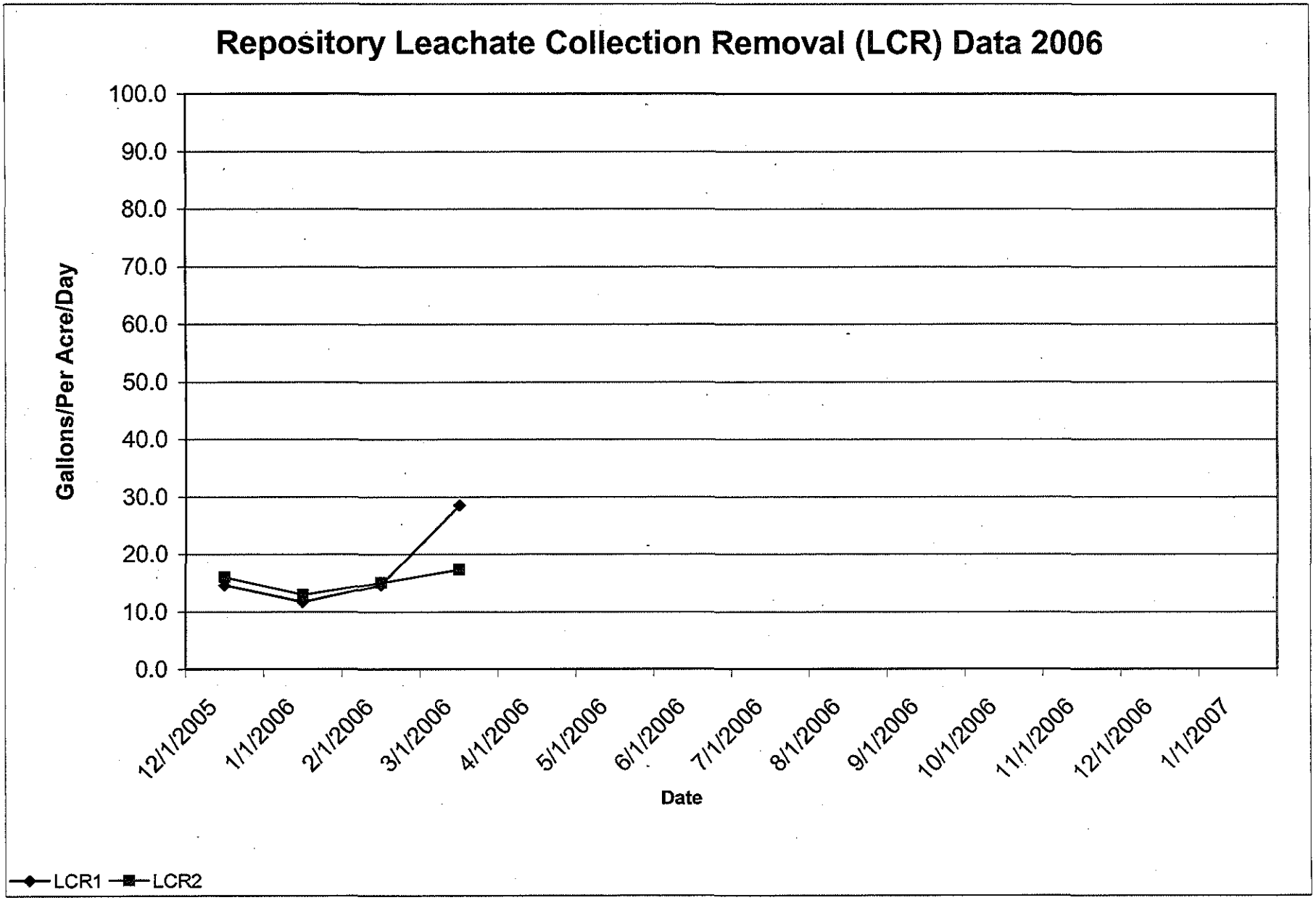
NEW ISSUES/RESOLUTIONS

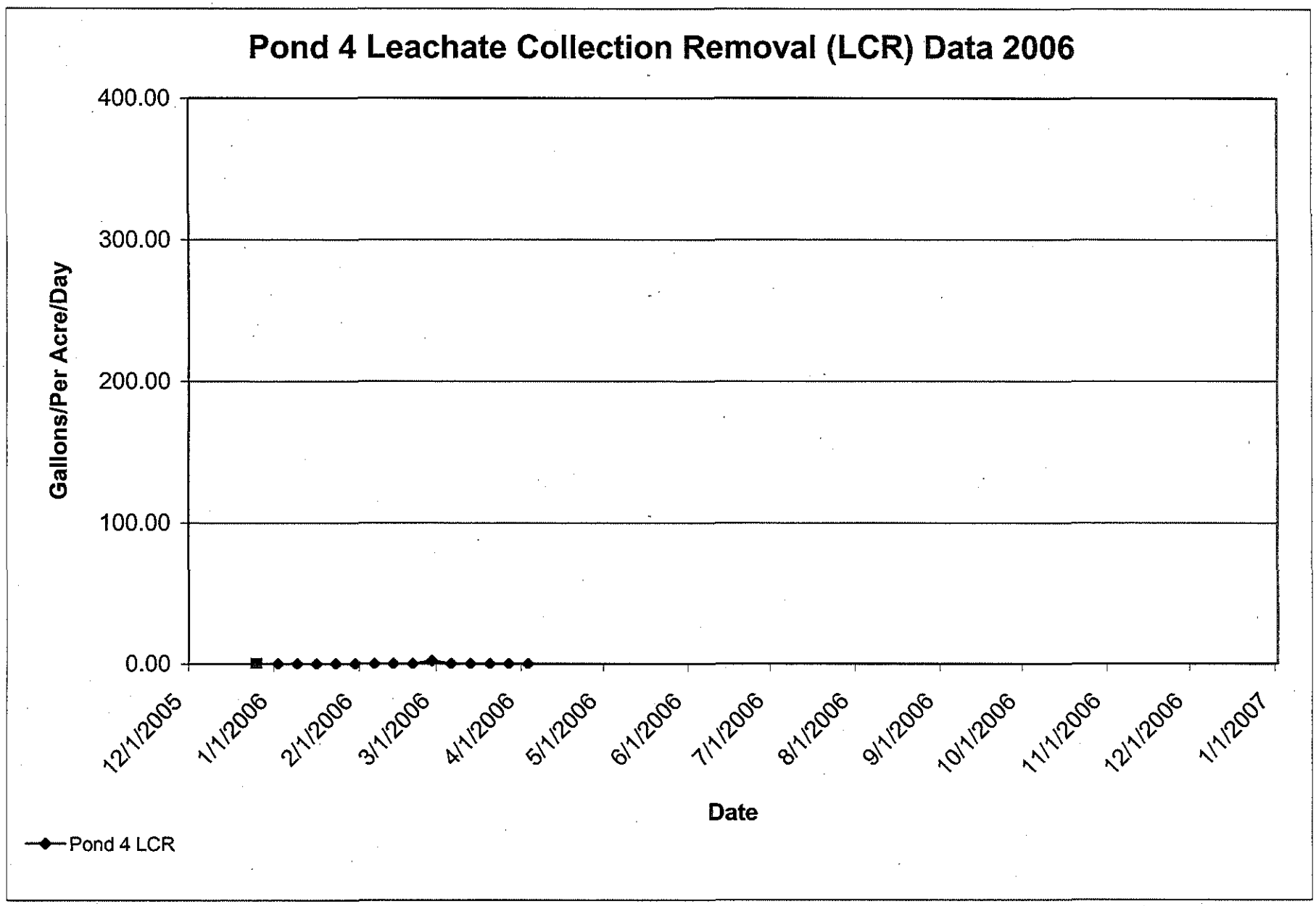
No new issues.

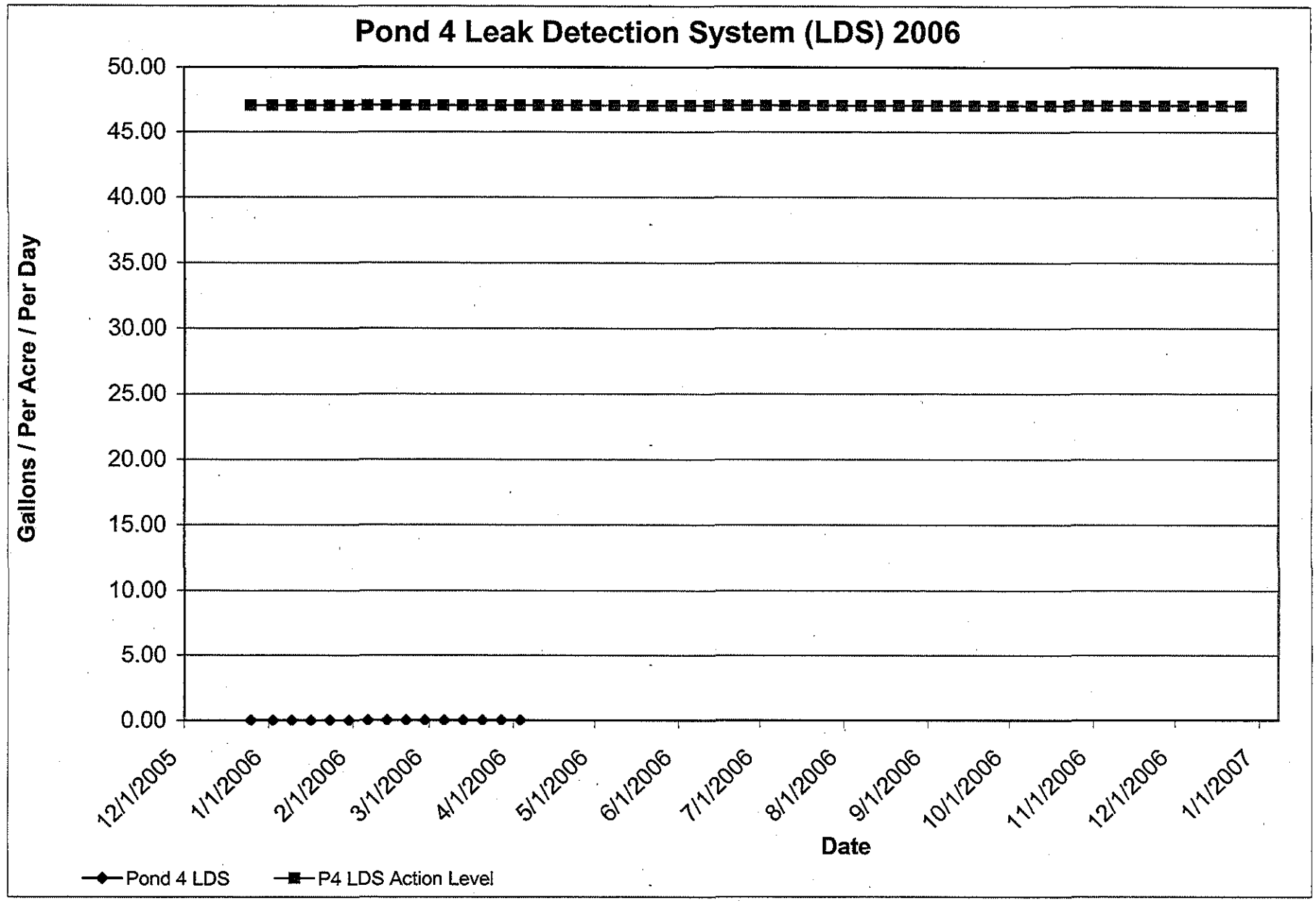
OPERABLE UNITS I, II and III
Projected Deliverables to Regulatory Agencies
April – June 2006

Op. Unit or Site	Deliverable	Projected Submittal/ Resubmittal	Regulator Input or Concurrence Needed (Yes / No)	Status/Progress/Comments as of: March 31, 2006
OU I-III & MVP	• Consolidated LTSM Administrative and Operating Procedures Manual	May 6	No	On schedule
OU I-III, & MVP	• Federal Facilities Report	April 10	No	On schedule
OU I-III & MVP	• Federal Facilities Agreement Meeting Minutes	April 21	No	On schedule
OU III	• Letter report: Proposed statistical method to analyze uranium trends in groundwater	May 15*	No	*Contingent on results of the April 2006 water samples


Repository Leak Detection System (LDS) Data 2006
Gallons / Per Acre / Per Day
35.00
30.00
25.00
20.00
15.00
10.00
5.00
0.00
12/1/2005
1/1/2006
2/1/2006
3/1/2006
4/1/2006
5/1/2006
6/1/2006
7/1/2006
8/1/2006
9/1/2006
10/1/2006
11/1/2006
12/1/2006
1/1/2007
Date
LDS1
LDS2
Repository Action Level


Repository Leachate Collection Removal (LCR) Data 2006
Gallons/Per Acre/Day
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
12/1/2005
1/1/2006
2/1/2006
3/1/2006
4/1/2006
5/1/2006
6/1/2006
7/1/2006
8/1/2006
9/1/2006
10/1/2006
11/1/2006
12/1/2006
1/1/2007
Date
LCR1
LCR2


Pond 4 Leachate Collection Removal (LCR) Data 2006
400.00
300.00
200.00
100.00
0.00
Gallons/Per Acre/Day
12/1/2005
1/1/2006
2/1/2006
3/1/2006
4/1/2006
5/1/2006
6/1/2006
7/1/2006
8/1/2006
9/1/2006
10/1/2006
11/1/2006
12/1/2006
1/1/2007
Date
Pond 4 LCR


Pond 4 Leak Detection System (LDS) 2006
Gallons / Per Acre / Per Day
50.00
45.00
40.00
35.00
30.00
25.00
20.00
15.00
10.00
5.00
0.00
12/1/2005
1/1/2006
2/1/2006
3/1/2006
4/1/2006
5/1/2006
6/1/2006
7/1/2006
8/1/2006
9/1/2006
10/1/2006
11/1/2006
12/1/2006
1/1/2007
Date
Pond 4 LDS
P4 LDS Action Level

Total Gallons Pumped from LDS1 as Measured by Flowmeter Weekly Basis 2005							Total Gallons Pumped from LDS2 as Measured by Flowmeter Weekly Basis					
Week Begin	Total for Week	Average Per Day	Gallons Per Acre Per Day		Number of Days	Comments	Total for Week	Average Per Day	Gallons Per Acre Per Day		Number of Days	Comments
12/25/2005	0						0					
1/2/2006	0						0					
1/9/2006	0						0					
1/16/2006	0						0	0.0	0.0			
1/23/2006	0						0					
1/30/2006	0						0					
2/6/2006	0						390	11.1	4.7		35	
2/13/2006	0						401	57.3	24.4		7	
2/20/2006	0						398	56.9	24.2		7	
2/27/2006	0						307	43.9	18.7		7	
3/6/2006	0						520	74.3	31.6		7	
3/13/2006	0						0	0.0	0.0		0	
3/20/2006	0						540	38.6	16.4		14	
3/27/2006	4					Pump has failed on sump LDS 1	550	78.6	33.4		7	Pump has failed on sump LDS 2
4/3/2006	0					Pump has failed on sump LDS 1	222	31.7	13.5		7	Pump has failed on sump LDS 2
4/10/2006												
4/17/2006	0						0					
4/24/2006	0						0					
5/1/2006	0						0					
5/8/2006	0						0					
5/15/2006	0						0					
5/22/2006	0						0					
5/29/2006	0						0					
6/5/2006	0						0					
6/12/2006	0						0					
6/19/2006	0						0					
6/26/2006	0						0					
7/3/2006	0						0					
7/10/2006	0						0					
7/17/2006	0						0					
7/24/2006	0						0					
7/31/2006	0						0					
8/7/2006	0						0					
8/14/2006	0						0					
8/21/2006	0						0					
8/28/2006	0						0					
9/4/2006	0						0					
9/11/2006	0						0					
9/18/2006	0						0					
9/25/2006	0						0					
10/2/2006	0						0					
10/9/2006	0						0					
10/16/2006	0						0					
10/23/2006	0						0					
10/30/2006	0						0					
11/6/2006	0						0					
11/13/2006	0						0					
11/20/2006	0						0					
11/27/2006	0						0					
12/4/2006	0						0					
12/11/2006	0						0					
12/18/2006	0						0					
12/25/2006	0						0					
1/2/2007	0						0					

Total Gallons Pumped from LCR1 as Measured by Flowmeter Monthly Basis

Month Begin	Total for Month	Average Per Day	Gallons Per Acre Per Day	DA YS	Comments
12/4/2005	408	11.7	1.2	35	
1/2/2006	5310	151.7	15.2	35	
2/6/2006	4100	146.4	14.6	28	
3/6/2006	7210	257.5	25.8	28	
4/3/2006		0.0	0.0	28	
5/1/2006		0.0	0.0	28	
6/5/2006		0.0	0.0	35	
7/3/2006		0.0	0.0	28	
8/7/2006		0.0	0.0	35	
9/4/2006		0.0	0.0	28	
10/2/2006		0.0	0.0	35	
11/6/2006		0.0	0.0	28	
12/4/2006	0	0.0	0.0	28	
1/2/2007		0.0	0.0	28	
Total	16620				

Total Gallons Pumped from LCR2 as Measured by Flowmeter Monthly Basis

Month Begin	Total for Month	Average Per Day	Gallons Per Acre Per Day	DA YS	Comments
12/4/2005	4270	122.0	12.2	35	
1/2/2006	4523	129.2	12.9	35	
2/6/2006	4190	149.6	15.0	28	
3/6/2006	4850	173.2	17.3	28	
4/3/2006		0.0	0.0	28	
5/1/2006	0	0.0	0.0	28	
6/5/2006	0	0.0	0.0	35	
7/3/2006	0	0.0	0.0	28	
8/7/2006	0	0.0	0.0	35	
9/4/2006	0	0.0	0.0	28	
10/2/2006	0	0.0	0.0	35	
11/6/2006	0	0.0	0.0	28	
12/4/2006	0	0.0	0.0	28	
1/2/2007		0.0	0.0	28	
Total	13563				

Total Gallons Pumped from Pond 4 LDS Sump

Month Begin	Total for Month	Average Per Day	Gallons Per Acre Per Day	DA YS	Comments
12/4/2005	0	0.0	0.0	35	Level is monitored
1/2/2006	0	0.0	0.0	35	Level is monitored
2/6/2006	0	0.0	0.0	28	Level is monitored
3/6/2006	0	0.0	0.0	28	Level is monitored
4/3/2006	0	0.0	0.0	28	Level is monitored
5/1/2006	0	0.0	0.0	28	Level is monitored
6/5/2006	0	0.0	0.0	35	Level is monitored
7/3/2006	0	0.0	0.0	28	Level is monitored
8/7/2006	0	0.0	0.0	35	Level is monitored
9/4/2006	0	0.0	0.0	28	Level is monitored
10/2/2006	0	0.0	0.0	28	Level is monitored
11/6/2006	0	0.0	0.0	28	Level is monitored
12/4/2006	0	0.0	0.0	28	Level is monitored
1/2/2007		0.0	0.0	28	Level is monitored
Total	0				

Pond4 LDS Weekly Basis			Pond 4 Evaporation Pond Elevation Weekly Basis	
Week Begin	Level Measure	Gallons Per Day	Level Measurement	Feet Above 6938.0
12/25/2005	1.47	0.00	6939.80	1.80
1/2/2006	0.79	0.00	6938.00	0.00
1/9/2006	0.79	0.00	6938.10	0.10
1/16/2006	0.81	0.00	6938.10	0.10
1/23/2006	0.81	0.00	6938.66	0.66
1/30/2006	0.81	0.00	6938.75	0.75
2/6/2006	0.83	0.00	6938.90	0.90
2/13/2006	0.81	0.00	6938.80	0.80
2/20/2006	0.80	0.00	6938.82	0.82
2/27/2006	0.79	0.00	6938.72	0.72
3/6/2006	0.81	0.00	6938.77	0.77
3/13/2006	0.79	0.00	6938.62	0.62
3/20/2006	0.80	0.00	6938.43	0.43
3/27/2006	0.80	0.00	6938.01	0.01
4/3/2006	0.82	0.00	6938.20	0.20
4/10/2006	0.00	0.00	0.00	-6938.00
4/17/2006	0.00	0.00	0.00	-6938.00
4/24/2006	0.00	0.00	0.00	-6938.00
5/1/2006	0.00	0.00	0.00	-6938.00
5/8/2006	0.00	0.00	0.00	-6938.00
5/15/2006	0.00	0.00	0.00	-6938.00
5/22/2006	0.00	0.00	0.00	-6938.00
5/29/2006	0.00	0.00	0.00	-6938.00
6/5/2006	0.00	0.00	0.00	-6938.00
6/12/2006	0.00	0.00	0.00	-6938.00
6/19/2006	0.00	0.00	0.00	-6938.00
6/26/2006	0.00	0.00	0.00	-6938.00
7/3/2006	0.00	0.00	0.00	-6938.00
7/10/2006	0.00	0.00	0.00	-6938.00
7/17/2006	0.00	0.00	0.00	-6938.00
7/24/2006	0.00	0.00	0.00	-6938.00
7/31/2006	0.00	0.00	0.00	-6938.00
8/7/2006	0.00	0.00	0.00	-6938.00
8/14/2006	0.00	0.00	0.00	-6938.00
8/21/2006	0.00	0.00	0.00	-6938.00
8/28/2006	0.00	0.00	0.00	-6938.00
9/4/2006	0.00	0.00	0.00	-6938.00
9/11/2006	0.00	0.00	0.00	-6938.00
9/18/2006	0.00	0.00	0.00	-6938.00
9/25/2006	0.00	0.00	0.00	-6938.00
10/2/2006	0.00	0.00	0.00	-6938.00
10/9/2006	0.00	0.00	0.00	-6938.00
10/16/2006	0.00	0.00	0.00	-6938.00
10/23/2006	0.00	0.00	0.00	-6938.00
10/30/2006	0.00	0.00	0.00	-6938.00
11/6/2006	0.00	0.00	0.00	-6938.00
11/13/2006	0.00	0.00	0.00	-6938.00
11/20/2006	0.00	0.00	0.00	-6938.00
11/27/2006	0.00	0.00	0.00	-6938.00
12/4/2006	0.00	0.00	0.00	-6938.00
12/11/2006	0.00	0.00	0.00	-6938.00
12/18/2006	0.00	0.00	0.00	-6938.00
12/25/2006	0.00	0.00	0.00	-6938.00

1/2/2007	0.00	0.00	-6938.00

Total Gallons Pumped from Pond4 LCR as Measured by Flowmeter Weekly Basis

Week Begin	Total for Week	Average Per Day	Gallons Per Acre Per Day		Number of Days	Comments
12/25/2005	0					
1/2/2006	0					
1/9/2006	0					
1/16/2006	0					
1/23/2006	0					
1/30/2006	0					
2/6/2006	0					
2/13/2006	0					
2/20/2006	0					
2/27/2006	22					
3/6/2006	0					
3/13/2006	0					
3/20/2006	0					
3/27/2006	0					
4/3/2006						
4/10/2006	0					
4/17/2006	0					
4/24/2006	0					
5/1/2006	0					
5/8/2006	0					
5/15/2006	0					
5/22/2006	0					
5/29/2006	0					
6/5/2006	0					
6/12/2006	0					
6/19/2006	0					
6/26/2006	0					
7/3/2006	0					
7/10/2006	0					
7/17/2006	0					
7/24/2006	0					
7/31/2006	0					
8/7/2006	0					
8/14/2006	0					
8/21/2006	0					
8/28/2006	0					
9/4/2006	0					
9/11/2006	0					
9/18/2006	0					
9/25/2006	0					
10/2/2006	0					
10/9/2006	0					
10/16/2006	0					
10/23/2006	0					
10/30/2006	0					
11/6/2006	0					
11/13/2006	0					
11/20/2006	0					
11/27/2006	0					
12/4/2006	0					
12/11/2006	0					
12/18/2006	0					
12/25/2006	0					
1/2/2007						

MONTHLY CLIMATOLOGICAL SUMMARY for MAR. 2006

NAME: Monticello LTSM CITY: STATE:
ELEV: 7066 ft LAT: 37° 54' 00" N LONG: 109° 18' 00" W

TEMPERATURE (°F), RAIN (in), WIND SPEED (mph)

DAY	MEAN TEMP	HIGH	TIME	LOW	TIME	HEAT DEG DAYS	COOL DEG DAYS	RAIN	AVG WIND SPEED	HIGH	TIME	DOM DIR
1	39.3	47.0	5:00p	33.1	8:00a	25.7	0.0	0.00	5.9	21.0	10:00a	E
2	40.5	50.4	4:00p	33.5	5:00a	24.5	0.0	0.00	9.1	29.0	2:00p	ESE
3	45.0	55.7	3:00p	35.2	7:00a	20.0	0.0	0.00	19.5	43.0	2:00p	ESE
4	40.0	48.9	4:00p	30.9	12:00m	25.0	0.0	0.00	13.5	34.0	2:00p	ESE
5	41.1	53.2	4:00p	26.9	7:00a	23.9	0.0	0.00	8.3	29.0	2:00p	ESE
6	47.1	55.6	3:00p	39.1	1:00a	17.9	0.0	0.00	14.5	38.0	12:00m	ESE
7	41.5	49.9	4:00p	30.4	7:00a	23.5	0.0	0.00	13.5	36.0	2:00p	ESE
8	27.8	31.6	1:00a	25.1	6:00a	37.2	0.0	0.01	11.2	39.0	3:00p	WSW
9	26.0	32.8	5:00p	19.1	5:00a	39.0	0.0	0.02	9.7	29.0	7:00a	E
10	23.7	29.3	2:00p	15.1	10:00p	41.3	0.0	0.00	14.9	40.0	6:00a	ESE
11	22.1	25.4	6:00p	14.4	4:00a	42.9	0.0	0.00	10.0	30.0	6:00p	E
12	22.3	27.9	1:00p	16.9	12:00m	42.7	0.0	0.01	13.3	33.0	7:00a	ESE
13	17.6	24.5	4:00p	6.9	7:00a	47.4	0.0	0.02	4.1	19.0	2:00a	NW
14	27.1	35.8	5:00p	12.4	6:00a	37.9	0.0	0.00	12.7	33.0	12:00m	ESE
15	31.8	38.0	11:00a	22.1	11:00p	33.2	0.0	0.00	12.7	34.0	9:00a	ESE
16	34.2	42.5	4:00p	21.3	5:00a	30.8	0.0	0.00	9.2	24.0	11:00a	ESE
17	38.2	46.0	5:00p	27.9	8:00a	26.8	0.0	0.00	9.6	27.0	7:00p	ESE
18	35.6	43.1	2:00p	25.6	12:00m	29.4	0.0	0.00	11.9	44.0	1:00p	ESE
19	28.2	36.8	4:00p	21.3	5:00a	36.8	0.0	0.00	8.3	26.0	10:00a	ESE
20	30.1	37.8	1:00p	19.7	7:00a	34.9	0.0	0.01	5.6	21.0	11:00p	SSE
21	28.2	33.2	3:00p	25.4	8:00a	36.8	0.0	0.00	7.8	28.0	12:00p	E
22	33.9	41.9	5:00p	26.4	2:00a	31.1	0.0	0.00	12.2	31.0	4:00p	WSW
23	36.4	49.1	4:00p	26.1	5:00a	28.6	0.0	0.00	5.5	16.0	1:00a	NW
24	40.5	51.9	3:00p	29.0	5:00a	24.5	0.0	0.00	5.8	20.0	12:00p	S
25	45.6	56.6	4:00p	33.7	5:00a	19.4	0.0	0.00	10.6	43.0	12:00m	ESE
26	38.1	46.0	1:00a	30.1	12:00m	26.9	0.0	0.00	10.3	32.0	1:00a	WSW
27	40.6	51.6	2:00p	27.8	5:00a	24.4	0.0	0.00	7.1	20.0	3:00p	E
28	40.3	48.9	1:00p	36.2	9:00p	24.7	0.0	0.47	13.7	39.0	11:00p	E
29	36.0	40.8	3:00p	30.7	12:00m	29.0	0.0	0.12	15.2	43.0	4:00p	ESE
30	34.1	43.3	5:00p	25.6	6:00a	30.9	0.0	0.00	6.0	21.0	9:00a	E
31	41.0	51.4	3:00p	30.1	2:00a	24.0	0.0	0.00	14.4	42.0	10:00p	ESE
	34.6	56.6	25	6.9	13	941.1	0.0	0.66	10.5	44.0	18	ESE

Max >= 90.0: 0
Max <= 32.0: 5
Min <= 32.0: 25
Min <= 0.0: 0
Max Rain: 0.47 ON 03/28/06
Days of Rain: 4 (>.01 in) 2 (>.1 in) 0 (>1 in)
Heat Base: 65.0 Cool Base: 65.0 Method: Integration