

**MONTICELLO PROJECTS
FEDERAL FACILITY AGREEMENT REPORT
May/June 2004
Report Period: May 1 – June 30, 2004
DOE Project Coordinator: Art Kleinrath**

HIGHLIGHTS

MSG

The Record of Decision for the Monticello Mill Tailings (USDOE) Site Operable Unit III, Surface Water and Ground Water, Monticello, Utah, was signed by DOE, UDEQ, and EPA. The last signature was obtained on June 2, 2004, seven days before the scheduled completion date. Monitored Natural Attenuation is the selected remedy.

MRAP

The water level in the Pond 4 Leak Detection System is monitored daily; the level is static and pumping is no longer necessary.

MVP

Approximately 40 cubic yards of bricks and mortar were removed by the owner from the Park Plaza Apartments (MS-00057) and placed near a city utility excavation. The bricks and mortar exceed the soil standard of 5 pCi/g Ra-226 above background and were therefore transported by the City of Monticello to the Temporary Storage Facility.

MONTICELLO PROJECTS
FEDERAL FACILITIES AGREEMENT REPORT
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STATUS

Operable Units I and II

DOE met with EPA and State regulators to discuss the results of recent erosion and plant characterization work at the Monticello millsite and at “analogous” sites. Eroded areas on and near the millsite were visited to discuss possible repair methods. DOE identified potential analog sites near Monticello to assist in determining millsite restoration success. Success criteria were also identified.

The quarterly Federal Facilities Agreement meeting was held May 18 and 19. During the meeting, the first draft of the OU III Remedial Action Report was delivered to EPA and UDEQ. The schedule for attaining a designation of “construction complete” for the MMTS CERCLA site was discussed, and it was determined that the schedule can be met by September 30. Millsite restoration was also discussed and it was determined that the City of Monticello has not completed most of the items identified in September 2002 by their restoration design engineer and during the 2003 annual inspection.

The following revised Monticello Mill Tailings Site (MMTS) documents were transmitted to EPA and UDEQ. EPA and UDEQ review comments received in April and May 2004 were incorporated into these documents:

- Draft-final *Remedial Action Report (RAR) for the Repository and Operable Unit I Properties MP-01040-VL (South Portion) and MP-01080-VL*
- Draft-final *Remedial Action Report for the Operable Units I and II Surface and Ground Water Impacted Properties*
- Final page changes for the property completion reports (PCRs) for the following Operable Units I and II Surface and Ground Water Impacted Properties: MP-00179-VL, MP-00391-VL, and MS-00893-OT (the former millsite)

The first drafts of the DOE certification letters for the properties comprising the Operable Units I and II Surface and Ground Water Impacted Properties were completed; DOE is in the process of reviewing them. These letters are scheduled for completion in July 2004.

SCHEDULE/EXPECTATIONS

See attached document submittal table for projected submittal dates.

NEW ISSUES/RESOLUTIONS

No new issues.

MONTICELLO SURFACE- AND GROUND-WATER PROJECT (MSG)

STATUS

DOE submitted the draft-final *Post-Record of Decision Monitoring Plan for the Monticello Mill Tailings Site (USDOE) Operable Unit III – Surface Water and Ground Water, Monticello, Utah* to EPA and UDEQ on June 30, 2004.

Three new monitoring well locations were identified during the FFA meeting.

The draft *Remedial Design/Remedial Action Work Plan for the Monticello Mill Tailings Site, Operable Unit III*, was submitted to EPA and UDEQ on May 27, 2004. Significant comments were received and a revised draft was submitted to EPA and UDEQ on June 29, 2004.

SCHEDULE/EXPECTATIONS

See attached document submittal table for projected submittal dates.

NEW ISSUES/RESOLUTIONS

No new issues.

MONTICELLO VICINITY PROPERTIES (MVP) and OU II
SITE ACTIVITIES

STATUS

DOE received a call from the USDA Rural Development concerning contaminated bricks removed from Property Number MS-00057 (Park Plaza Apartments). USDA wanted to know if any additional action at the apartments was required. A copy of the folio for this property was requested and received from the National Archives & Records Administration. The exclusion reports were extracted and provided to DOE to support the determination that no further action is required.

SCHEDULE/EXPECTATIONS

Not established.

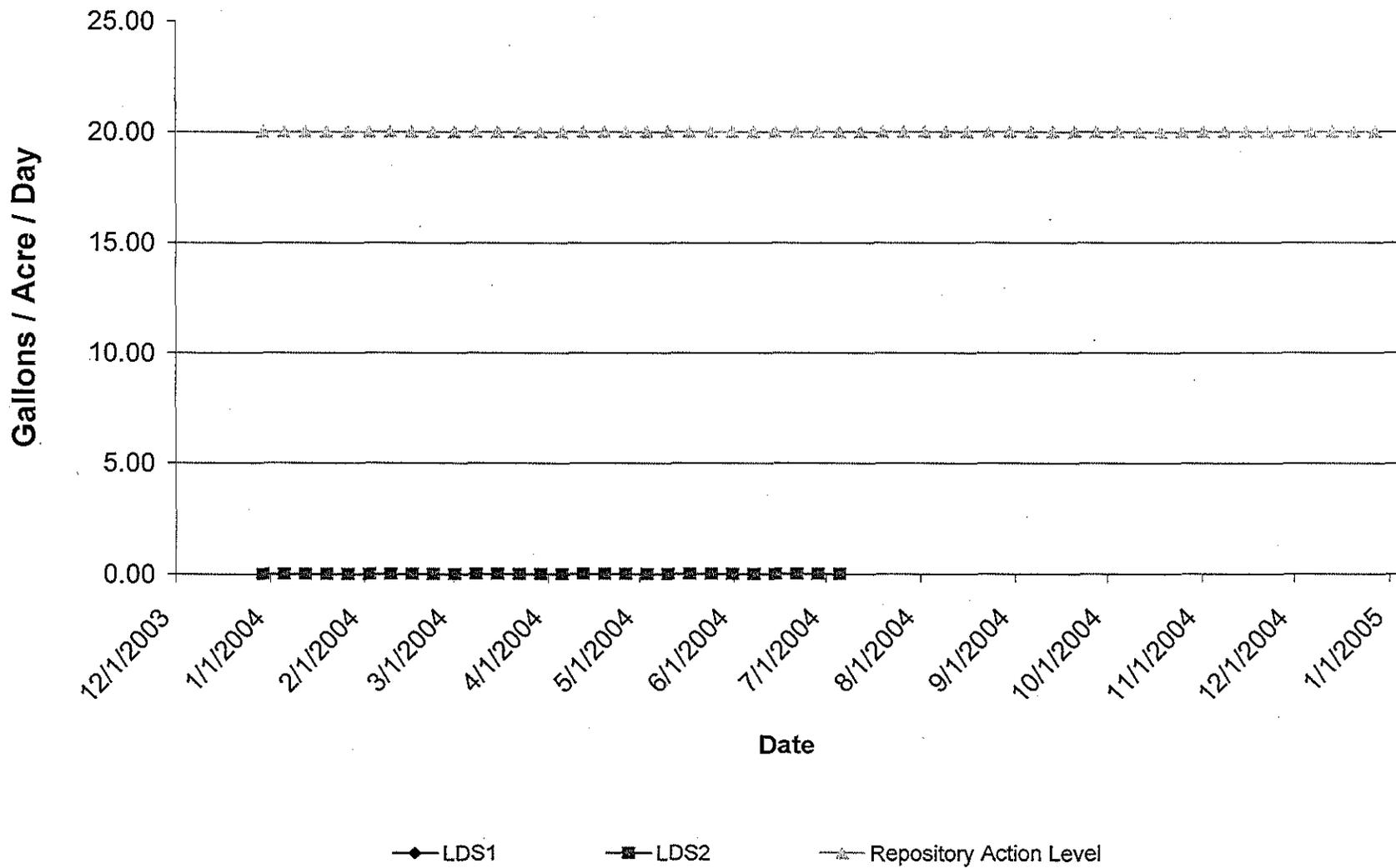
NEW ISSUES/RESOLUTIONS

No new issues.

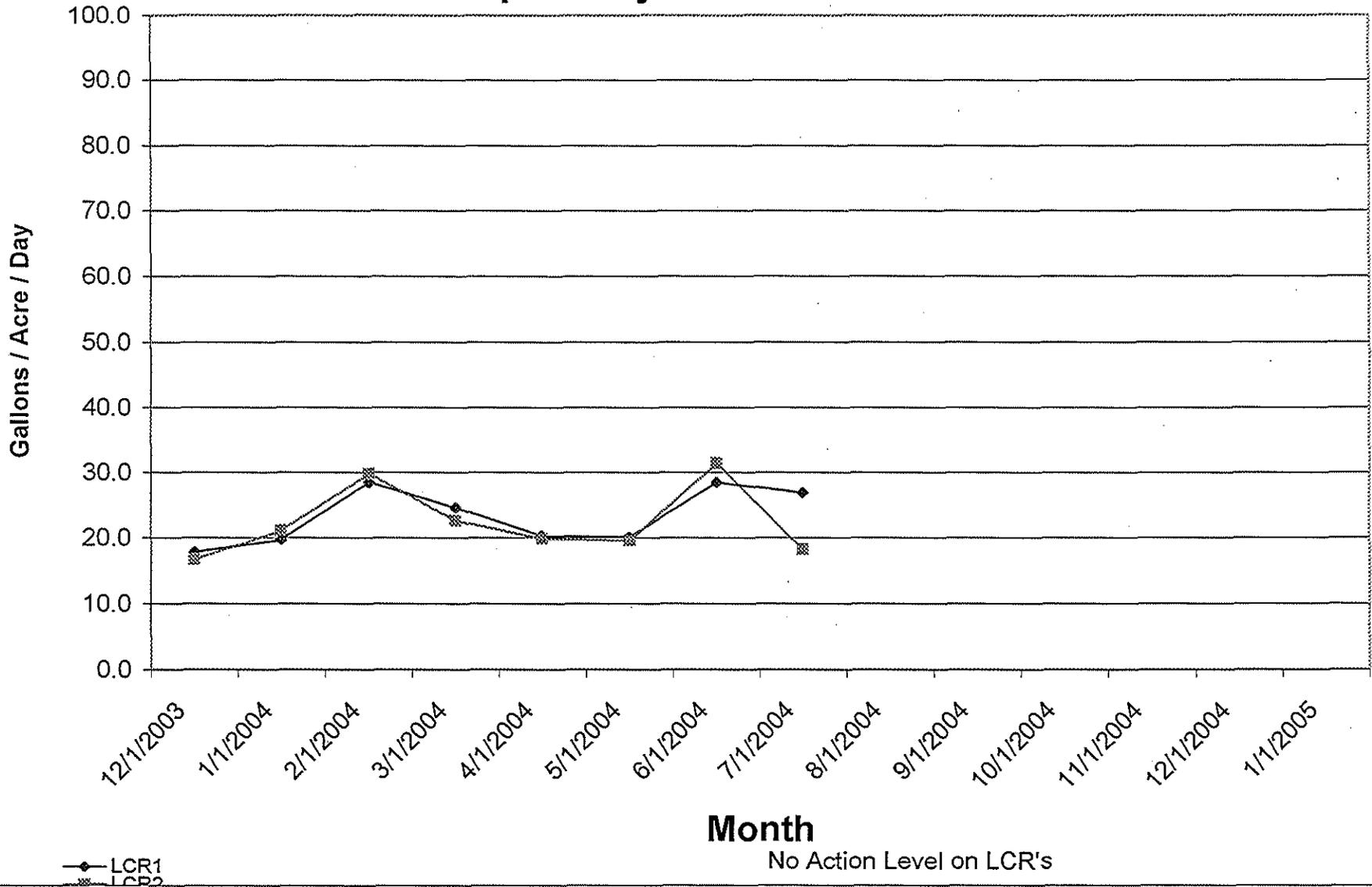
OPERABLE UNITS I, II and III
 Projected Deliverables to Regulatory Agencies
 July through September 2004

Op. Unit or Site	Deliverable	Projected Submittal/ Resubmittal	Regulator Input or Concurrence Needed (Yes / No)	Status/Progress/Comments as of: <u>June 30, 2004</u>
OU I and OU II	<ul style="list-style-type: none"> Draft Final Remedial Action Report and PCRs for 13 Groundwater-Impacted Properties (includes millsite) Draft final RAR submitted for signature Property certification letters mailed to owners of Ground Water Impacted Properties 	Completed 7/16/04 7/16/04	Yes Yes	PCR's approved Incorporating EPA/UDEQ review comments into RAR. First drafts undergoing DOE, EPA, and UDEQ review
OU I and OU II	<ul style="list-style-type: none"> Draft-Final RAR for Repository DOE submits final for EPA/UDEQ signatures 	Completed 7/16/04	Yes Yes	Incorporating EPA/UDEQ review comments.
OU III	<ul style="list-style-type: none"> Record of Decision signed by all parties 	6/02/04	No	Signed copies distributed 6/25/04
OU III	<ul style="list-style-type: none"> Draft-Final Surface and Ground Water Monitoring Plan Surface and Ground Water Monitoring Plan accepted 	6/30/04 9/01/04	Yes Yes	
OU III	<ul style="list-style-type: none"> Revised Draft RD/RA Work Plan Final RD/RA Work Plan DOE installs wells 	6/29/04 8/02/04 8/30/04	Yes Yes No	Revised and resubmitted
OU III	<ul style="list-style-type: none"> Draft Final for OU III Interim Remedial Action RAR DOE submits final for signatures 	7/16/04 8/02/04	Yes No	Awaiting EPA/UDEQ review comments.
MMTS and MVP	<ul style="list-style-type: none"> Conduct Annual Inspection 	9/15/04	Yes	

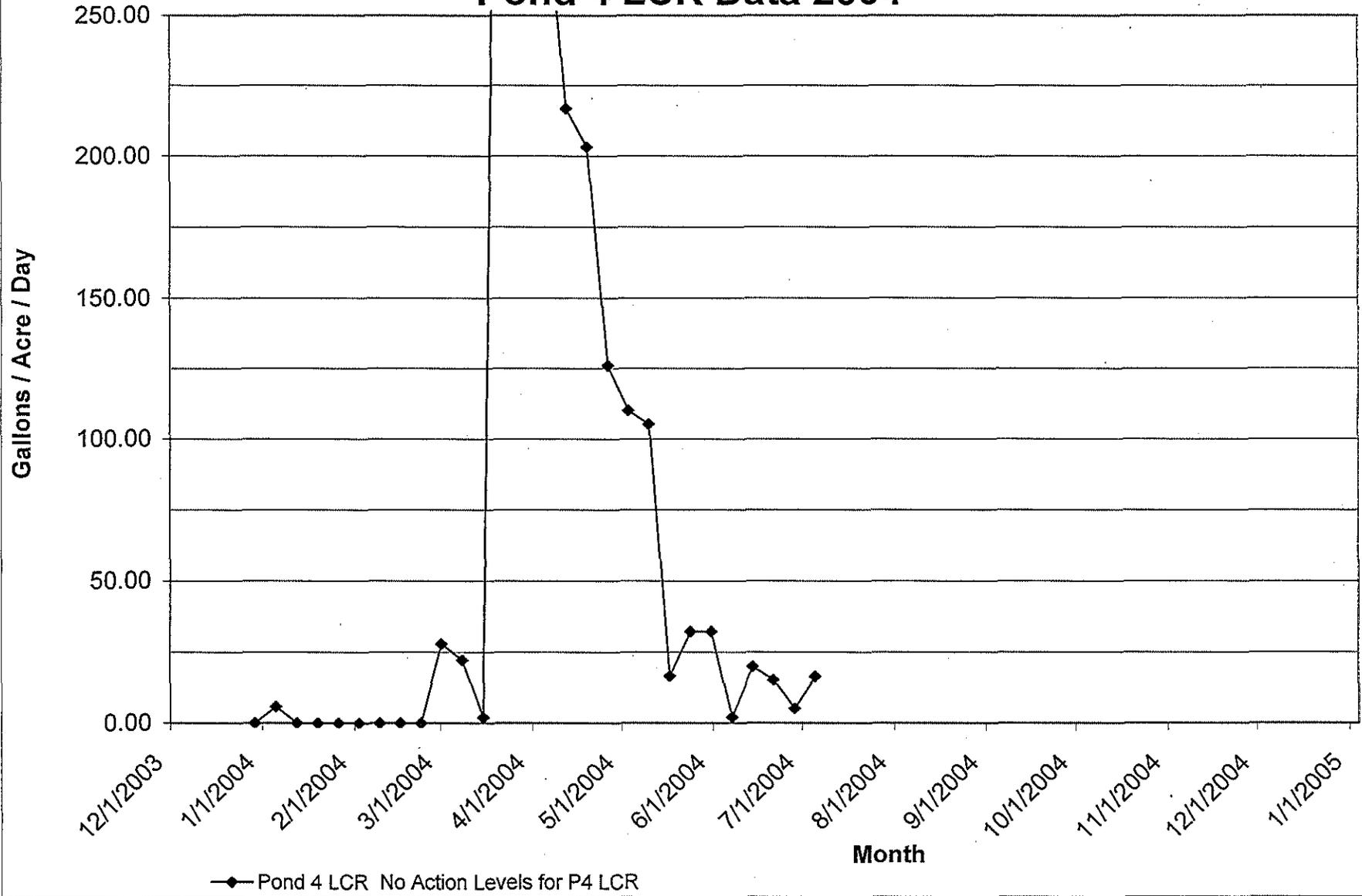
Repository LDS Data 2004



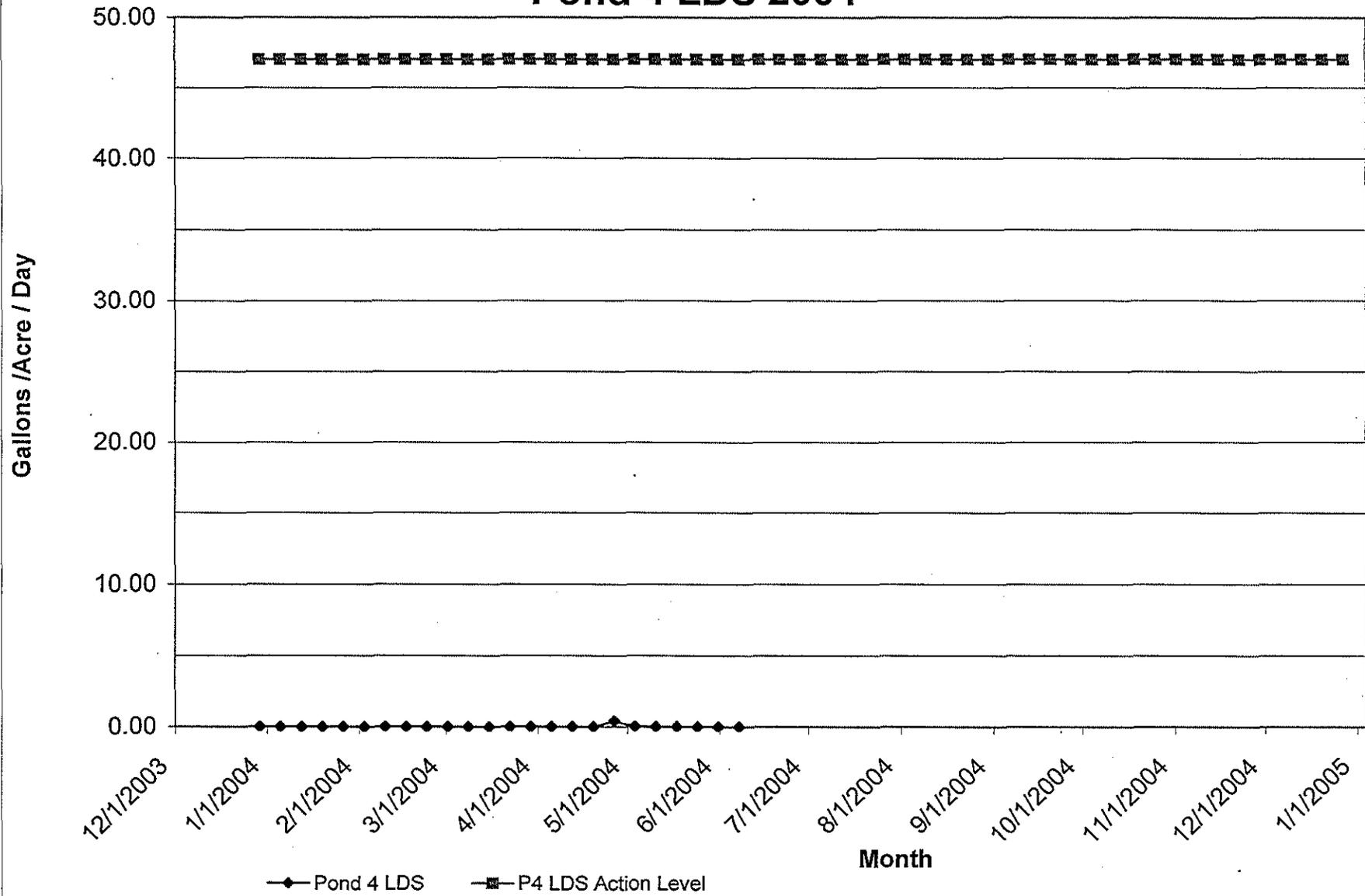
Repository LCR Data 2004



Pond 4 LCR Data 2004



Pond 4 LDS 2004

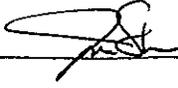


Total Gallons Pumped from LDS1 as Measured by Flowmeter Weekly Basis						Total Gallons Pumped from LDS2 as Measured by Flowmeter Weekly Basis					
2003	Week	Total for Week	Average Per Day	Gallons Per Acre Per Day	Number of Days	Comments	Total for Week	Average Per Day	Gallons Per Acre Per Day	Number of Days	Comments
12/29/2003	0						0				
1/5/2004	0						0				
1/12/2004	0						0				
1/19/2004	0						0	0.0	0.0		
1/26/2004	0						0				
2/2/2004	0						0				
2/9/2004	0						0		0.0		
2/16/2004	0						0				
2/23/2004	0						0				
3/1/2004	0						0				
3/8/2004	0						0				
3/15/2004	0						0				
3/22/2004	0						0				
3/29/2004	0						0				
4/5/2004	0						0				
4/12/2004	0						0				
4/19/2004	0						0				
4/26/2004	0						0				
5/3/2004	0						0				LDS2 is down - no water is pumping
5/10/2004	0						0				LDS2 is down - no water is pumping
5/17/2004	0						0				LDS2 is down - no water is pumping
5/24/2004	0						0				LDS2 is down - no water is pumping
5/31/2004	0						0				LDS2 is down - no water is pumping
6/7/2004	0						0				LDS2 is down - no water is pumping
6/14/2004	0						0				LDS2 is down - no water is pumping
6/21/2004	0						0				LDS2 is down - no water is pumping
6/28/2004	0						0				LDS2 is down - no water is pumping
7/5/2004	0						0				
7/12/2004											
7/19/2004											
7/26/2004											
8/2/2004											
8/9/2004											
8/16/2004											
8/23/2004											
8/30/2004											
9/6/2004											
9/13/2004											
9/20/2004											
9/27/2004											
10/4/2004											
10/11/2004											
10/18/2004											
10/25/2004											
11/1/2004											
11/8/2004											
11/15/2004											
11/22/2004											
11/29/2004											
12/6/2004											
12/13/2004											
12/20/2004											
12/27/2004											
1/3/2005											

Total Gallons Pumped from LCR1 as Measured by Flowmeter Monthly Basis						Pond4 LDS			Pond 4 Evaporation Pond Elevation	
Month Begin	Total for Month	Average Per Day	Gallons Per Acre Per Day	DA YS	Comments	Weekly Basis			Weekly Basis	
Week Begin	Level Measure	Gallons Per Day	Level Measurement	Feet Above						
12/1/2003	6233	178.1	17.8	35		12/29/2003	1.47	0.00	6939.80	1.80
1/5/2004	6897	197.1	19.7	35		1/5/2004	1.43	0.00	6939.80	1.80
2/2/2004	7982	285.1	28.5	28		1/12/2004	1.45	0.00	6939.80	1.80
3/1/2004	6879	245.7	24.6	28		1/19/2004	1.46	0.00	6939.80	1.80
4/5/2004	7120	203.4	20.3	35		1/26/2004	1.43	0.00	6939.80	1.80
5/3/2004	7981	285.0	28.5	28		2/2/2004	1.39	0.00	6939.80	1.80
6/7/2004	8321	297.2	29.7	28		2/9/2004	1.43	0.00	6939.80	1.80
7/5/2004	7521	268.6	26.9	28		2/16/2004	1.45	0.00	6940.20	2.20
8/2/2004		0.0	0.0	28		2/23/2004	1.43	0.00	6940.80	2.80
9/6/2004		0.0	0.0	28		3/1/2004	1.45	0.00	6942.50	4.50
10/4/2004		0.0	0.0	35		3/8/2004	1.64	0.00	6944.30	6.30
11/1/2004		0.0	0.0	28		3/15/2004	0.31	0.00	6945.70	7.70
12/6/2004		0.0	0.0	35		3/22/2004	0.31	0.00	6945.50	7.50
1/3/2005		0.0	0.0	28		3/29/2004	3.07	0.00	6945.50	7.50
Total	52701					4/5/2004	3.65	0.00	6945.50	7.50
Total Gallons Pumped from LCR2 as Measured by Flowmeter Monthly Basis						4/12/2004	3.86	0.00	6943.80	5.80
Month Begin	Total for Month	Average Per Day	Gallons Per Acre Per Day	DA YS	Comments	4/19/2004	7.00	0.00	6942.50	4.50
12/1/2003	5845	167.0	16.7	35		4/26/2004	7.00	0.00	6941.90	3.90
1/5/2004	7374	210.7	21.1	35		5/3/2004	1.07	147.00	6941.50	3.50
2/2/2004	8338	297.8	29.8	28		5/10/2004	1.03	2.00	6940.90	2.90
3/1/2004	6329	226.0	22.6	28		5/17/2004	1.04	0.60	6940.70	2.70
4/5/2004	6973	199.2	19.9	35		5/24/2004	1.06	0.00	6940.20	2.20
5/3/2004	5484	195.9	19.6	28		5/31/2004	1.05	0.00	6940.10	2.10
6/7/2004	8778	313.5	31.4	28		6/7/2004	1.04	0.00	6938.70	0.70
7/5/2004	5105	182.3	18.2	28		6/14/2004	1.05	0.00	6938.40	0.40
8/2/2004		0.0	0.0	28		6/21/2004	1.04	0.00	6938.00	0.00
9/6/2004		0.0	0.0	28		6/28/2004	1.05	0.00	6938.00	0.00
10/4/2004		0.0	0.0	35		7/5/2004	0.32	0.00	6938.00	0.00
11/1/2004		0.0	0.0	28		7/12/2004	0.00		0.00	-6938.00
12/6/2004		0.0	0.0	35		7/19/2004	0.00		0.00	-6938.00
1/3/2005		0.0	0.0	28		7/26/2004	0.00		0.00	-6938.00
Total	48381					8/2/2004	0.00		0.00	-6938.00
Total Gallons Pumped from Pond 4 LDS Sump						8/9/2004	0.00		0.00	-6938.00
Month Begin	Total for Month	Average Per Day	Gallons Per Acre Per Day	DA YS	Comments	8/16/2004	0.00		0.00	-6938.00
12/1/2003	0	0.0	0.0	35	Level is monitored	8/23/2004	0.00		0.00	-6938.00
1/5/2004	0	0.0	0.0	28	Level is monitored	8/30/2004	0.00		0.00	-6938.00
2/2/2004	0	0.0	0.0	28	Level is monitored	9/6/2004	0.00		0.00	-6938.00
3/1/2004	0	0.0	0.0	28	Level is monitored	9/13/2004	0.00		0.00	-6938.00
4/5/2004	0	0.0	0.0	35	Sump pumped March 23, 2004 (No totalizer Reading)	9/20/2004	0.00		0.00	-6938.00
5/3/2004	147	4.2	0.4	35	Pump installed April 28, 2004 initial pumping of 125 gallons.	9/27/2004	0.00		0.00	-6938.00
6/7/2004	2	0.1	0.0	28		10/4/2004	0.00		0.00	-6938.00
7/5/2004	0	0.0	0.0	28		10/11/2004	0.00		0.00	-6938.00
8/2/2004	0	0.0	0.0	28		10/18/2004	0.00		0.00	-6938.00
9/6/2004	0	0.0	0.0	28		10/25/2004	0.00		0.00	-6938.00
10/4/2004	0	0.0	0.0	35		11/1/2004	0.00		0.00	-6938.00
11/1/2004	0	0.0	0.0	28		11/8/2004	0.00		0.00	-6938.00
12/6/2004	0	0.0	0.0	35		11/15/2004	0.00		0.00	-6938.00
1/3/2005	0	0.0	0.0	35		11/22/2004	0.00		0.00	-6938.00
Total	149					11/29/2004	0.00		0.00	-6938.00
						12/6/2004	0.00		0.00	-6938.00
						12/13/2004	0.00		0.00	-6938.00
						12/20/2004	0.00		0.00	-6938.00
						12/27/2004	0.00		0.00	-6938.00
						1/3/2005	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	1000	Number of Days	Comments
12/29/2003	0					
1/5/2004	479	13.7	5.8		35	
1/12/2004	0					
1/19/2004	0					
1/26/2004	0					
2/2/2004	0					
2/9/2004	0					
2/16/2004	0					
2/23/2004	0					
3/1/2004	460	9.4	4.0		49	
3/8/2004	366	52.3	22.2		7	
3/15/2004	33	4.7	2.0		7	Pond 4 System is offline
3/22/2004	9300	1328.6	565.3		7	
3/29/2004	8020	1145.7	487.5		7	
4/5/2004	4922	703.1	299.2		7	
4/12/2004	3567	509.6	216.8		7	
4/19/2004	3343	477.6	203.2		7	
4/26/2004	2075	296.4	126.1		7	
5/3/2004	1811	258.7	110.1		7	
5/10/2004	1731	247.3	105.2		7	
5/17/2004	273	39.0	16.6		7	
5/24/2004	532	76.0	32.3		7	
5/31/2004	532	76.0	32.3		7	
6/7/2004	34	4.9	2.1		7	
6/14/2004	329	47.0	20.0		7	
6/21/2004	250	35.7	15.2		7	
6/28/2004	84	12.0	5.1		7	
7/5/2004	270	38.6	16.4		7	
7/12/2004						
7/19/2004						
7/26/2004						
8/2/2004						
8/9/2004						
8/16/2004						
8/23/2004						
8/30/2004						
9/6/2004						
9/13/2004						
9/20/2004						
9/27/2004						
10/4/2004						
10/11/2004						
10/18/2004						
10/25/2004						
11/1/2004						
11/8/2004						
11/15/2004						
11/22/2004						
11/29/2004						
12/6/2004						
12/13/2004						
12/20/2004						
12/27/2004						
1/3/2005						

Monthly Pond 4 Surveillance Checklist

Monticello LTSM Representative JOE SLADE  Date 6-2-2004

Level of Water in Pond 4 _____

Inspection Item	Acceptable (Yes/No)	Comments & Recommendation
<u>Condition of:</u>		
Fence	<u>yes</u>	_____
Roads	<u>yes</u>	_____
Signs	<u>yes</u>	_____
Visible Piping	<u>yes</u>	_____
Visible Liner	<u>yes</u>	_____
Life Saver Station	<u>yes</u>	_____
Evidence of erosion of:		
Top of Pond 4 Berm	<u>NO</u>	_____
Pond 4 Sideslopes	<u>NO</u>	_____
Ditches	<u>NO</u>	_____
Surrounding area	<u>NO</u>	_____
Seepage from Pond 4	<u>NO</u>	_____
Overtopping of Pond 4	<u>NO</u>	_____
Evidence of:		
Vandalism	<u>NO</u>	_____
Intrusion by wildlife	<u>NO</u>	_____
Intrusion by humans	<u>NO</u>	_____
Accumulation of trash	<u>* YES</u>	<u>New crop of weeds has come up and we</u>

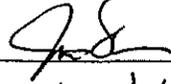
Additional Comments

* have weeds at gate points and around life preservation stations -

New Rad Rope has been placed around the pond - the old rope was wind worn & down in some places -

LMNT 4.4

Monthly Repository Surveillance Checklist

Monticello LTSM Representative Joe Slade  Date 6-2-2004

Meteorological Data for the period beginning See weather data Book ending _____

Average wind speed _____ Prevailing wind direction _____
 Average temperature _____ High Temperature _____ Low Temperature _____
 Current barometric pressure _____
 Total precipitation _____ Inches of Precipitation in last 24 hours _____

Inspection Item	Acceptable (Yes/No)	Comments and Recommendations
<u>Condition of:</u>		
Fence	<u>yes</u>	_____
Roads	<u>yes</u>	_____
Signs	<u>yes</u>	_____
Site Marker	<u>yes</u>	_____
Drainage ditches	<u>yes</u>	_____
Manholes	<u>yes</u>	<u>*</u>
Settlement Plates	<u>yes</u>	_____
Vegetation	<u>yes</u>	_____
<u>Evidence of erosion of:</u>		
Top of Repository	<u>NO</u>	_____
Repository Sideslopes	<u>NO</u>	_____
Ditches	<u>NO</u>	_____
Surrounding area	<u>NO</u>	_____
<u>Evidence of:</u>		
Vandalism	<u>NO</u>	_____
Intrusion by wildlife	<u>NO</u>	_____
Burrowing Animal Damage	<u>NO</u>	_____
Intrusion by humans	<u>NO</u>	_____
Accumulation of trash	<u>NO * yes</u>	<u>new crop of weeds coming up -</u>

Additional Comments
the vegetation cover is beautiful this year - this is the only year
I can remember that we have wild flowers coming up with the
grasses - cover on the cell is really looking good this year -
we have dug up some starts of Canada thistle -

* Pump in the lower system in manhole #3 is down & we will be
pulling this pump to check it out.

Monthly Repository Surveillance Checklist

Monticello LTSM Representative JOE SLADE Date 5-1-2004

Meteorological Data for the period beginning See weather DATA logs ending _____

Average wind speed _____ Prevailing wind direction _____
 Average temperature _____ High Temperature _____ Low Temperature _____
 Current barometric pressure _____
 Total precipitation _____ Inches of Precipitation in last 24 hours _____

Inspection Item	Acceptable (Yes/No)	Comments and Recommendations
<u>Condition of:</u>		
Fence	<u>Yes</u>	_____
Roads	<u>Yes</u>	_____
Signs	<u>Yes</u>	_____
Site Marker	<u>Yes</u>	_____
Drainage ditches	<u>Yes</u>	_____
Manholes	<u>Yes</u>	_____
Settlement Plates	<u>Yes</u>	_____
Vegetation	<u>Yes</u>	_____
<u>Evidence of erosion of:</u>		
Top of Repository	<u>NO</u>	_____
Repository Sideslopes	<u>NO</u>	_____
Ditches	<u>NO</u>	_____
Surrounding area	<u>NO</u>	_____
<u>Evidence of:</u>		
Vandalism	<u>NO</u>	_____
Intrusion by wildlife	<u>NO</u>	_____
Burrowing Animal Damage	<u>NO</u>	_____
Intrusion by humans	<u>NO</u>	_____
Accumulation of trash	<u>NO</u>	_____

Additional Comments
Vegetation is starting to look really good - the somewhat good water
year is helping out with the ground cover.
Weeds along the fence have been burned and the fence line look good
at this time.

File Index Number LMNT 4.4

Monthly Pond 4 Surveillance Checklist

Monticello LTSM Representative JOE SWADE Date 5-1-2004

Level of Water in Pond 4 WATER LEVEL IS AT APPROX 1 FT.

Inspection Item	Acceptable (Yes/No)	Comments & Recommendation
<u>Condition of:</u>		
Fence	<u>YES</u>	
Roads	<u>YES</u>	
Signs	<u>YES</u>	
Visible Piping	<u>YES</u>	
Visible Liner	<u>YES</u>	
Life Saver Station	<u>YES</u>	
<u>Evidence of erosion of:</u>		
Top of Pond 4 Berm	<u>NO</u>	
Pond 4 Sideslopes	<u>NO</u>	
Ditches	<u>NO</u>	
Surrounding area	<u>NO</u>	
Seepage from Pond 4	<u>NO</u>	
Overtopping of Pond 4	<u>NO</u>	
<u>Evidence of:</u>		
Vandalism	<u>NO</u>	
Intrusion by wildlife	<u>NO</u>	
Intrusion by humans	<u>NO</u>	
Accumulation of trash	<u>NO</u>	

Additional Comments:
Pump was installed in LDS system as water was starting to come in at this time - water at first pumping was 125 gals on April 28 then tapered off to 0.1 gal thru the 17th when pumping was stopped.

LMM T 4, 4