Louisville ar[illegible] Jefferson County
Metropolita[illegible] wer District

400 South Sixth Stre[illegible]
Louisville, Kentucky [illegible]02-2397

502-540-6000

Mail To: P.O. Box 740011
Louisville, Kentucky 40201

MSD

November 10, 1995

Ms. Liza Montalvo
Residual Project Manager
Kentucky/Tennessee Section
U. S. Environmental Protection Agency
Region IV
345 Courtland Street, N. E.
Atlanta, Georgia 30365

Re: Report of Field Observation - FY 96, First Quarter (FY96-1Q), Lees Lane Superfund Site, Jefferson County, Kentucky, Administrative Order on Consent, USEPA Docket No. 91-32-C

Dear Ms. Montalvo:

In accordance with Paragraph 11, under the heading Reporting Requirements, of the subject Consent Order and Attachment 1, Operation and Maintenance Plan For Post-Removal Site Control at the Lees Lane Landfill Site, I am enclosing one (1) copy of the Report of Field Observation (Appendix J), identified as Observation Report No. FY96-1Q, for your information and files.

Please advise if you have any questions concerning the attached Report of Field Observation for FY96-1Q.

Sincerely,

C. A. Neumayer
Director of Operations

DOCUMENT CONTROL NUMBER 7400-83-AGVH

CAN/dc
CAN2-2U

Enc.

cc: Kentucky Natural Resource Environment Protection Cabinet
Rick Hogan, Division of Waste Management
Kentucky Natural Resource Environment Protection Cabinet
Mr. Jeff Pratt, Division of Waste Management
G. R. Garner, Executive Director
File WD-2 (Lees Lane M&M Quarterly)

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REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No: FY96-10 Date of Observation: 9/27/95

Time Arrived Onsite: 1:35 p.m. Time Departed Site: 2:55 p.m.

Field Personnel: Carl A. Neumayer, Director of Operations, R. H. Watkins, Support Services Administrator, Maintenance Division

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Section A: General Site Conditions

Observation:	Yes*	No	Not Observed	Comment No.
1. Major settlement of topsoil or erosion exposing waste/ fill material	X			A-1
2. Evidence of leachate seepage		X		
3. Distressed Vegetation		X		
4. Pot holes, erosion of access road		X		A-4

Section B: Institutional Controls

Observation:	Yes*	No	Not Observed	Comment No.
1. Structural problem with Lee's Lane gate or barricade		X		
2. Structural problem with Putman Ave. barricade		X		B-2
3. Lee's Lane gate unlocked		X		
4. Broken or missing lock		X		

Section C: Gas Collection System

Observation:	Yes*	No	Not Observed	Comment No.
1. Vandalism to blower house, wells, or moisture traps	X			C-1
2. Structural damage to blower house		X		
3. Blower not operating or visible damage		X		
4. Blower house not secure and unclean		X		

Observation:	Yes*	No	Not Observed	Comment No.
5. Service box lids not in place		X		
6. Alarm and blower controls not functioning		X		
7. Settlement or tilting of well/moisture trap concrete collars	X			C-7
8. Well/moisture trap covers missing or damaged		X		
9. Excessive vegetation covering wells/mositure traps	X			C-9
10. Adjustment valve inaccessible		X		
11. Well/moisture trap caps, plugs, and piping missing or damaged		X		
12. Blower house and well/ moisture trap signs missing or damaged	X			C-12

Section D: Groundwater & Gas Monitor Wells

Observation:	Yes*	No	Not Observed	Comment No.
1. Wells unlocked		X		
2. Guard posts and rails missing or damaged		X		
3. Protective casing missing, damaged or rusted		X		
4. Concrete pads damaged or cracked		X		
5. Possible surface water infiltration into wells		X		
6. Excessive vegetation or debris around wells	X			D-6
7. Well cap missing or damaged	X			D-7
8. Tubing, fittings, and valves missing or damaged (gas wells only)			X	D-8

Section E: Bank Protection Controls

Observation:	Yes*	No	Not Observed	Comment No.
1. Subsidence of slope, sloughing or caving		X		
2. Erosion of rip-rap or underlying material			X	E-2
3. Abnormally damp areas, wet ground vegetation		X		
4. Soft spots in surface		X		
5. Seepage, water flow, piping, or sand boils		X		
6. Undermining of rip-rap		X		
7. Vegetative growth on rip-rap slope	X			E-7
8. Buildup of trash and debris on rip-rap	X			E-8
9. Exposed trash or filter fabric		X		
10. Tilting trees		X		
11. Tension cracks		X		
12. Survey monuments missing or damaged		X		

Section F: Surface Waste Cleanup/Cover

Observation:	Yes*	No	Not Observed	Comment No.
1. Swales greater than 1 foot wide and 2 inches deep		X		F-1
2. Cracks greater than 1 inch wide and 6 inches deep		X		
3. Areas of erosional damage to grass		X		
4. Inadequate grass cover (area > 36 ft^2	X			F-4
5. Ponded water (area larger than 2 feet in diameter and 3 inches deep)	X			F-5
6. Erosion or ponded water greater than 12 inches deep (requires immediate repair)		X		

* If yes, assign a comment no. in the last column and follow instructions on comment sheet.

REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No. FY96-10 Date of Observation 9/27/95

Site Map

Signature of Observer: [illegible] Date: 11/10/95

REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No.: FY96-1Q **Date of Observation: 9/27/95**

Instruction: If any item is checked yes, provide details of the problem and maintenance recommendations below and indicate the location of deficiency on the site map provided.

Comment No.:	Comment
A-1	Observed evidence of damage to the Louisville/Southwest Jefferson County earthen levee caused by ATVs and trail bikes. Erosion of earthen levee surfaces is localized but severe in several locations. Noted minimal evidence of damage to the clay cap area of the landfill site by ATVs or trail bikes. Depressed rutted area adjacent to gas Well No. 6 still needs additional placement of fill material.
A-4	No apparent change in access road surface conditions. Will continue to monitor depressed road features at quarterly institutional inspections.
B-2	Condition of Putman Avenue barricade is unchanged from previous quarterly inspections. Security cable installed by MSD forces continues to restrict unauthorized entry to the landfill site from adjacent residential properties at the end of Putman Avenue. Heavy vegetation growth noted along the access road will require cutting with bush hog or tiger mower.

Comment No.	Corrective Action Performed
A-1	No corrective action scheduled at this time pending meeting with U. S. Army Corps of Engineers, Louisville District, to discuss control of trespassing on the Louisville/Southwest Jefferson County Flood Protection Works. Schedule placement of fill material adjacent to gas Well No. 6 during FY 96 - 2 and 3Q.
A-4	No correction action required at this time.
B-2	No corrective action required at this time except for the cutting of vegetation along the access road prior to the end of FY 96-2Q. Monitoring of the barricade and surrounding areas should be conducted at subsequent quarterly institutional inspections.

Comment No.:	Comment
C-1	Observed some additional small arms fire causing damage to the walls of the Blower House and warning signs. The small arms fire damage is evident on all faces of the Blower House except the west face.
C-7	Observed previously reported minor damage to gas collection well and moisture trap concrete collars at Gas Collection Wells No. 7, 13, and 15.
C-9	Excessive vegetation growth noted in the vicinity of most gas collection well barricades which needs to trimmed.
C-12	Observed damage caused by small arms fire to the high voltage warning signs on the Blower House.

Comment No.	Corrective Action Performed
C-1	No corrective action proposed at this time to repair damage to the concrete block walls of the Blower House caused by small arms fire. Continue to monitor damage condition at subsequent quarterly institutional inspections and consider scheduling of repairs to the concrete block wall of the Blower House during FY 96-4Q.
C-7	Damage to gas collection well and moisture trap concrete collars should be considered for repair as part of the investigations into the conditions of the vacuum collection gas well field piping systems, see Comment C-11.
C-9	Excessive vegetation growth noted in the vicinity of most gas collection well barricades to be trimmed by independent contractor or MSD force account prior to the end of FY96-2Q.
C-11	Unable to schedule vacuum testing of selected areas in the gas well collection system of those gas wells that are not functioning properly because of manpower limitations. Depending on work force availability and weather conditions, testing and excavation work should be scheduled for performance before the end of FY96-4Q.
C-12	Damaged high voltage warning signs affixed to the north, south, and east faces of the Blower House should be replaced prior to the end of FY 96-4Q.

Comment No.:	Comment
E-8	Observed that debris deposited by high Ohio River water levels on the riprap section of the clay bank is somewhat less than that observed at previous quarterly inspections.
F-1	Observed the shale drainage swale between the access road and the top of the riprap section to be in satisfactory condition with no evidence of erosion or standing water.
F-4	Observed inadequate grass cover in the depressed area south of Benchmark No. 4 caused by previously impounded water.
F-5	Observed the minor depressed area south of Benchmark No. 4 to be in approximately the same condition as previously observed but no evidence of any ponded water at the time of this inspection.

Comment No.	Corrective Action Performed
E-8	No corrective action required at this time. Trespassers have been burning small amounts of drift wood
F-1	Continue to monitor shale drainage swale at quarterly institutional inspections for any evidence of erosion or standing water.
F-4	See corrective action comment, F-5.
F-5	Need to schedule placement of additional earth fill material to eliminate the depressed area approximately 50 feet south of Benchmark No. 4 and immediately west of the access road in the vicinity of the shale drainage swale. Estimated fill area is approximately 20 by 40 feet. Filling of the depressed area will be scheduled during FY 96-2 & 3Q based on earth spoil availability from MSD Maintenance Division force account repair sites in proximity to the Lees Lane Landfill site.

Comment No.:	Comment
D-6	Observed excessive vegetation growth inside the barriers protecting the groundwater and gas monitoring wells located on the Lee's Lane Landfill site and the adjacent earthen levee.
D-7	Observed the condition of the bent steel hinge and cap on groundwater Well No. 5 previously reported.
D-8	Unable to observe condition of tubing, fittings and valves on gas wells because all caps were securely locked. Institutional monitoring of these gas well facilities to be conducted prior to the end of September, 1995.
E-2	Unable to observe any erosion of riprap or underlying river bank material because of extensive vegetation growth which continues to stabilize the Ohio River bank.
E-7	Observed that the vegetative growth on the riprap slope and adjacent drainage areas has re-established itself and will require spraying by an independent contractor for effective control.

Comment No.	Corrective Action Performed
D-6	Excessive vegetation growth inside barriers protecting the groundwater wells will be cut by independent mowing contractor or MSD force account prior to the end of FY 96-2Q.
D-7	No corrective action required at this time.
D-8	No corrective action required at this time because Radian Associates and MSD force account apparently did not experience any difficulty in the condition of tubing and fittings during the quarterly field monitoring activities conducted prior to the end of FY96-1Q.
E-2	No corrective action required at this time. Vegetation growth below the bottom of the riprap section adjacent to the Ohio River continues to provide bank stability and avoid the scouring action under high water conditions on the Ohio River.
E-7	Spraying of the vegetative growth on the riprap slope and adjacent drainage areas by an independent contractor should be scheduled during FY 96-2Q.