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**YEOMAN CREEK/EDWARDS FIELD LANDFILLS RI/FS
MONTHLY PROGRESS REPORT
FOR FEBRUARY 1995**

Submitted to:

**U. S. Environmental Protection Agency
and
Illinois Environmental Protection Agency**

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March 1995

933-8136.07

MONTHLY PROGRESS REPORT

TO: USEPA/IEPA

FROM: Golder Associates Inc.

RE: YEOMAN CREEK/EDWARDS FIELD LANDFILLS RI/FS
MONTHLY PROGRESS REPORT FOR FEBRUARY 1995

This forty-third progress report is being submitted by Golder Associates on behalf of the PRP Committee for the Yeoman Creek/Edwards Field Landfills. This monthly report summarizes the progress from February 1, 1995 to February 28, 1995.

RI/FS ACTIVITIES

Field Activities

The monthly site inspection was conducted on February 16, 1995. We inspected the condition of the perimeter fence at the Yeoman Creek/Edwards Field Landfills, the integrity of the landfill covers, and the condition of the drums in the secure storage areas. The drums are currently staged on oak pallets and are in satisfactory condition. There was no evidence of damage to the secure storage areas at either landfill. The landfill covers appear to be unchanged and in satisfactory condition. The minor damage to the perimeter fence which was noted at the Yeoman Creek and Edwards Field Landfills in January 1995, had not been repaired at the time of the inspection. This damage is scheduled to be repaired by the Waukegan Public Works Department beginning in late February/early March.

Pursuant to the second amendment to the Administrative Order by Consent (AOC), air monitoring in the basements of the Evoy property at 2122 Yeoman Street and the Terrace Nursing Home property continued in February 1995. At the request of USEPA, air monitoring at the Terrace Nursing Home is conducted weekly. Monitoring results are provided in Table 1.

Weekly air monitoring in the basements of the 1401 through 1451 West Golf Road building continued in February 1995, also at the request of USEPA. Monitoring results are provided in Table 2.

Levels of organic vapors detected in the breathing zone in Unit 1451 of the West Golf Road building continued to exceed the 100 ppm action level. On November 16, 1994, Golder Associates sent a letter to USEPA summarizing the actions taken to mitigate the situation and recommended a course of action for future monitoring.

Operation and maintenance of the AEVS continued in February 1995. During February, the AEVS required several repairs. These repairs included installation of a new battery backup for the autodialer (February 2, 1995), replacement of the Unit 1451 exhaust fan (February 8, 1995), removal of the Unit 1415/1419 exhaust fan for repair (February 9, 1995), replacement of the Unit 1415 (February 15, 1995), and removal of the Unit 1431 exhaust piping flow switch for repair (February 24, 1995).

Deliverables and Correspondence

Golder received a letter dated February 15, 1995 stating that the Remedial Investigation Report and the Feasibility Study Report for the Yeoman Creek/Edwards Field Landfills were approved.

On February 20, 1995, Golder sent USEPA seven copies of the final RI Report.

WORK PROPOSED FOR THE NEXT REPORTING PERIOD (MARCH)

RI/FS activities expected to begin or continue in March 1995 include:

- Completion of the Final Inspection of the AEVS.
- Operation and maintenance of the AEVS.
- Preparation of the Construction Completion Report for the AEVS.
- Submission of the Floodplain/Floodway Study of Yeoman Creek.

(36078115.wp1/srh)

Table 1
Basement Screening Results
2122 Yeoman Street & 1615 Sunset Avenue
Waukegan, Illinois

Date Monitoring Location	February 9, 1985				February 16, 1985				February 23, 1985				February 28, 1985				
	FID (ppm)	%LEL	CGI	%Oxygen	FID (ppm)	%LEL	CGI	%Oxygen	FID (ppm)	%LEL	CGI	%Oxygen	FID (ppm)	%LEL	CGI	%Oxygen	
2122 Yeoman Street (Evoy Property)	Background	NM	NM		10	0	20.8		10	0	20.8		NM	NM			
	Ambient	NM	NM		30	0	21.0		50	10	20.8		NM	NM			
	Sump (SW corner)	NM	NM		30	0	21.0		42	10	20.8		NM	NM			
	Floor Drain SW corner	NM	NM		30	0	21.0		46	10	20.8		NM	NM			
	Entrance to crawl space	NM	NM		30	10	21.0		38	10	20.7		NM	NM			
	Floor/wall joints:																
	North wall	NM	NM		30	10	21.0		36	10	20.7		NM	NM			
	South wall	NM	NM		30	0	21.0		30	10	20.6		NM	NM			
	East wall	NM	NM		30	10	21.0		36	10	20.7		NM	NM			
	West wall	NM	NM		30	0	21.0		40	10	20.7		NM	NM			
1615 Sunset Avenue (Terrace Nursing Home)	Background	10	0	20.8	10	0	20.9	10	0	20.9	10	0	20.9	20	0	20.8	
	Laundry Room:																
	Ambient Air	140	0	20.8	100	10	20.8	80	10	20.8	80	10	20.8	40	00	20.8	20.8
	Crack in floor (E-W @ E)	60	0	20.7	70	10	20.8	>100	10	20.8	>100	10	20.8	40	00	20.8	20.8
	Crack in floor (N-S @ S)	60	0	20.7	60	10	20.8	60	10	20.8	60	10	20.8	40	00	20.8	20.8
	Floor drain (East)	60	0	20.7	70	10	20.8	60	10	20.8	60	10	20.8	20	00	20.8	20.8
	Floor drain (West)	00	0	20.7	30	10	20.8	30	10	20.8	30	10	20.7	40	00	20.8	20.8
	Linen Room:																
	Ambient Air	70	0	20.7	70	10	20.8	40	10	20.7	40	10	20.7	30	00	20.8	20.8
	Cracks in concrete:																
	Mid room, N-S @ S	70	0	20.7	70	10	20.8	20	10	20.7	20	10	20.7	30	00	20.8	20.8
	East end, N-S @ center	50	0	20.7	70	10	20.8	20	10	20.7	20	10	20.7	30	00	20.8	20.8
	East wall, @ breathing zone	40	0	20.7	30	10	20.8	20	10	20.7	20	10	20.7	30	00	20.8	20.8
	Speech Therapy(Ambient Air)	00	0	20.7	20	10	20.8	20	10	20.7	20	10	20.7	30	00	20.8	20.8
	Rehab/Care Plans(Ambient Air)	20	0	20.7	40	10	20.8	46	10	20.7	46	10	20.7	30	00	20.8	20.8
	Supply Room(Ambient Air)	00	0	20.7	20	0	20.8	12	10	20.7	12	10	20.7	30	00	20.8	20.8
	Boiler room:																
	Ambient Air	00	0	20.7	20	0	20.8	06	10	20.7	06	10	20.7	20	00	20.8	20.8
	Floor drain	00	0	20.7	20	0	20.8	06	10	20.7	06	10	20.7	20	00	20.8	20.8
	Hair Salon(Ambient Air)	00	0	20.7	40	10	20.8	12	10	20.7	12	10	20.7	20	00	20.8	20.8
	Rehab(Ambient Air)	10	0	20.7	20	0	20.8	34	10	20.6	34	10	20.6	20	00	20.8	20.8
	Activities room:																
	Ambient Air	10	0	20.7	20	0	20.8	27	10	20.6	27	10	20.6	20	00	20.8	20.8
	Floor drain	00	0	20.7	20	0	20.8	24	10	20.6	24	10	20.6	20	00	20.8	20.8
	Physiotherapy(Ambient Air)	00	0	20.7	20	0	20.8	25	10	20.6	25	10	20.6	20	00	20.8	20.8
	Lounge(Ambient Air)	10	0	20.7	20	10	20.8	24	10	20.7	24	10	20.7	20	00	20.8	20.8
South office(Ambient Air)	00	0	20.7	20	10	20.8	28	10	20.6	28	10	20.6	20	00	20.8	20.8	
South caged storage area (Ambient Air)	00	0	20.7	20	0	20.8	24	10	20.4	24	10	20.4	20	00	20.8	20.8	
Activities office(Ambient Air)	20	0	20.7	20	10	20.8	28	10	20.6	28	10	20.6	20	00	20.8	20.8	
Vending room(Ambient Air)	00	0	20.7	20	10	20.8	35	10	20.6	35	10	20.6	20	00	20.8	20.8	
NW lunch room(Ambient Air)	00	0	20.7	20	10	20.8	28	10	20.6	28	10	20.6	20	00	20.8	20.8	
North caged storage area(Ambient Air)	00	0	20.7	20	0	20.8	28	10	20.6	28	10	20.6	20	00	20.8	20.8	
Duct room(Ambient Air)	00	0	20.7	20	10	20.8	26	10	20.6	26	10	20.6	20	00	20.8	20.8	
Open Storage																	
Ambient Air	00	0	20.7	20	10	20.8	30	10	20.7	30	10	20.7	20	00	20.8	20.8	
Floor drain	65.0	0	20.7	20	10	20.8	60.0	10	20.8	60.0	10	20.8	60.0	00	20.8	20.8	
Sump room:																	
Sump	26.0	0	20.7	40	0	20.8	10.0	10	20.6	10.0	10	20.6	30	00	20.8	20.8	
Ambient Air	0.0	0	20.7	2.4	0	20.8	2.4	10	20.6	2.4	10	20.6	20	00	20.8	20.8	

1. CGI - Combustible Gas Indicator
2. FID - Flame Ionization Detector
3. NM - Not Measured

Table 1
Basement Screening Results
1401 Through 1451 West Golf Road Building
Waukegan, Illinois

LOCATION	February 9, 1995				February 16, 1995			
	FID (ppm)	CGI			FID (ppm)	CGI		
		LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)		LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)
1401 W. Golf								
Background (N. of Bldg)	1	0	0	20.8	0	0	0	20.9
Breathing Zone of Basement	0	0	0	20.8	0	0	0	21
Southwest Corner of Basement	0	0	0	20.8	0	0	0	21
Southeast Corner of Basement	0	0	0	20.8	0	0	0	21
Northwest Corner of Basement	0	0	0	20.8	0	0	0	21
Northeast Corner of Basement	0	0	0	20.8	0	0	0	21
Top of Sump	0	0	0	20.8	0	0	0	21
Sink Drain	1	0	0	20.8	0	0	0	21
Toilet Drain (Plugged)	0	0	0	20.8	0	0	0	21
Shower Drain (Plugged)	0	0	0	20.8	0	0	0	21
Sauna Drain (Rag Stuffed in Drain)	0	0	0	20.8	0	0	0	21
Crack in floor (NE corner, AS-1)	0	0	0	20.8	0	0	0	21
Crack in floor (north of sump, AS-2)	0	0	0	20.8	0	0	0	21
1407 W. Golf								
Background (N. of Bldg)	1	0	0	20.8	0	0	0	20.9
Breathing Zone of Basement	13	0	0	20.7	0	0	0	20.9
Southwest Corner of Basement	13	0	0	20.7	0	0	0	20.9
Southeast Corner of Basement	8	0	0	20.7	0	0	0	20.9
Northwest Corner of Basement	13	0	0	20.7	0	0	0	20.9
Northeast Corner of Basement	15	0	0	20.7	0	0	0	20.9
Top of Sump	18	0	0	20.7	0	0	0	20.9
Crack in Floor Near N. Wall (Center)	15	0	0	20.7	0	0	0	20.9
Crack in Floor at S. Wall	>1000	17	0	20.5	0	0	0	20.9
Floor Drain	23	0	0	20.7	0	0	0	20.9
1415 & 1419 W. Golf								
Laundry Room								
Background (N. of Bldg)	1	0	0	20.7	1	0	0	20.8
Breathing Zone of Basement	20	0	0	20.7	1	0	0	20.8
Southwest Corner of Basement	26	0	0	20.7	1	0	0	20.8
Southeast Corner of Basement	19	1	0	20.7	1	1	0	20.8
Northwest Corner of Basement	20	0	0	20.7	1	0	0	20.8
Northeast Corner of Basement	20	0	0	20.7	1	0	0	20.8
Sump (No pump installed)	900	3	0	20.7	1	0	0	20.8
Sign Making Room								
Breathing Zone of Basement	22	0	0	20.7	2	0	0	20.9
Southwest Corner of Basement	22	0	0	20.7	2	0	0	20.9
Southeast Corner of Basement	26	0	0	20.7	2	0	0	20.9
Northwest Corner of Basement	22	0	0	20.7	2	0	0	20.9
Northeast Corner of Basement	26	0	0	20.7	2	0	0	20.9
Crack in Floor (Center)	32	0	0	20.7	2	0	0	20.9
Floor Drain (Blocked)	300	0	0	20.7	2	0	0	20.9
1425 W. Golf								
Background (N. of Bldg)	1	0	0	20.8	0	0	0	20.8
Breathing Zone of Basement	20	0	0	20.8	4	0	0	20.8
Southwest Corner of Basement	20	0	0	21	4	0	0	20.8
Southeast Corner of Basement	28	0	0	21	4	0	0	20.8
Northwest Corner of Basement	15	0	0	21	4	0	0	20.8
Northeast Corner of Basement	17	0	0	21	3	0	0	20.8
Top of Sump	22	0	0	21	4	0	0	20.8
Crack in Floor Near Southeast Corner	30	0	0	21	7	0	0	20.8
Crack in Floor of Workroom (North)	50	0	0	21	9	0	0	20.8
Floor Drain (blocked)	110	1	0	20.7	6	0	0	20.8
1431 W. Golf								
Background (S. of Bldg)	1	0	0	20.8	0	0	0	20.8
Breathing Zone of Basement	10	0	0	20.8	3	0	0	20.8
Southwest Corner of Basement	58	0	0	20.8	3	0	0	20.8
Southeast Corner of Basement	100	0	0	20.8	3	0	0	20.8
Northwest Corner of Basement	6	0	0	20.8	2	0	0	20.8
Northeast Corner of Basement	10	0	0	20.8	3	0	0	20.8
Top of Sump (SW corner)	58	0	0	20.8	6	0	0	20.8
Shower Drain	60	0	0	20.8	11	0	0	20.8
Sink Drain	10	0	0	20.8	5	0	0	20.8
Toilet	10	0	0	20.8	6	0	0	20.8
1451 W. Golf Road								
Background (S. of Bldg)	1	0	0	20.8	1	0	0	20.8
Breathing Zone of Basement	270	2	0	20.7	130	2	0	20.7
Southwest Corner of Basement	200	2	0	20.7	120	2	0	20.7
Southeast Corner of Basement	290	2	0	20.7	150	3	0	20.5
Northwest Corner of Basement	270	2	0	20.7	140	2	0	20.7
Northeast Corner of Basement	290	2	0	20.7	140	2	0	20.5
Top of Sump (south wall)	320	2	0	20.7	140	2	0	20.5
Crack in Floor (Center of Basement)	>1000	83	0	19.8	>1000	62	0	19.8
Crack in Floor (West End)	420	2	0	20.7	200	2	0	20.7
Floor Drain	>1000	3	0	20.7	250	3	0	20.5

Table 1
Basement Screening Results
1401 Through 1451 West Golf Road Building
Waukegan, Illinois

LOCATION	February 23, 1995				February 28, 1995			
	FID (ppm)	CGI			FID (ppm)	CGI		
		LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)		LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)
1401 W. Golf								
Background (N. of Bldg)	1	0	0	20.8	1	0	0	20.8
Breathing Zone of Basement	1.6	0	0	20.8	0	0	0	20.8
Southwest Corner of Basement	1.6	0	0	20.8	0	0	0	20.8
Southeast Corner of Basement	1.2	0	0	20.8	0	0	0	20.8
Northwest Corner of Basement	1.2	1	0	20.7	0	0	0	20.8
Northeast Corner of Basement	1.2	0	0	20.8	0	0	0	20.8
Top of Sump	1.2	0	0	20.8	0	0	0	20.8
Sink Drain	1.4	0	0	20.8	0	0	0	20.8
Toilet Drain (Plugged)	1.2	1	0	20.8	0	0	0	20.8
Shower Drain (Plugged)	1.3	0	0	20.8	0	0	0	20.8
Sauna Drain (Rag Stuffed in Drain)	1.4	0	0	20.8	0	0	0	20.8
Crack in floor (NE corner, AS-1)	1.8	0	0	20.8	0	0	0	20.8
Crack in floor (north of sump, AS-2)	1.2	0	0	20.8	0	0	0	20.8
1407 W. Golf								
Background (N. of Bldg)		0			1	0	0	20.8
Breathing Zone of Basement	3.2	0	0	20.7	0	0	0	20.8
Southwest Corner of Basement	4	0	0	20.7	0	0	0	20.8
Southeast Corner of Basement	1.7	0	0	20.7	0	0	0	20.8
Northwest Corner of Basement	3.5	0	0	20.7	0	0	0	20.8
Northeast Corner of Basement	2.5	0	0	20.7	0	0	0	20.8
Top of Sump	2.6	0	0	20.7	0	0	0	20.8
Crack in Floor Near N. Wall (Center)	3.4	0	0	20.7	0	0	0	20.8
Crack in Floor at S. Wall	230	1	0	20.6	0	0	0	20.8
Floor Drain	4.5	0	0	20.7	0	0	0	20.8
1415 & 1419 W. Golf								
Laundry Room								
Background (N. of Bldg)	0	0	0	20.8	1	0	0	20.8
Breathing Zone of Basement	30	0	0	20.8	0	0	0	20.8
Southwest Corner of Basement	160	1	0	20.8	0	0	0	20.8
Southeast Corner of Basement	35	1	0	20.8	0	0	0	20.8
Northwest Corner of Basement	28	0	0	20.8	0	0	0	20.8
Northeast Corner of Basement	50	0	0	20.5	0	0	0	20.8
Sump (No pump installed)	700 to >1000	6	0	20.6	0	0	0	20.8
San Making Room								
Breathing Zone of Basement	8	1	0	20.8	0	0	0	20.8
Southwest Corner of Basement	8	0	0	20.7	0	0	0	20.8
Southeast Corner of Basement	20	0	0	20.8	0	0	0	20.8
Northwest Corner of Basement	8	0	0	20.8	0	0	0	20.8
Northeast Corner of Basement	8	0	0	20.8	0	0	0	20.8
Crack in Floor (Center)	8	0	0	20.7	0	0	0	20.8
Floor Drain (Blocked)	110	1	0	20.7	0	0	0	20.8
1425 W. Golf								
Background (N. of Bldg)	1	0	0	20.7	1	0	0	20.8
Breathing Zone of Basement	28	0	0	20.7	0	0	0	20.8
Southwest Corner of Basement	40-60	0	0	20.7	0	0	0	20.8
Southeast Corner of Basement	20	0	0	20.7	0	0	0	20.8
Northwest Corner of Basement	30	0	0	20.7	0	0	0	20.8
Northeast Corner of Basement	20	0	0	20.7	0	0	0	20.8
Top of Sump	42	0	0	20.7	0	0	0	20.8
Crack in Floor Near Southwest Corner	25	0	0	20.7	0	0	0	20.8
Crack in Floor of Workroom (North)	22	0	0	20.7	14	0	0	20.8
Floor Drain (blocked)	>1000	86	0	17.3	0	0	0	20.8
1431 W. Golf								
Background (S. of Bldg)	1	0	0	20.7	1	0	0	20.8
Breathing Zone of Basement	3.3	0	0	20.7	0	0	0	20.8
Southwest Corner of Basement	14	0	0	20.7	0	0	0	20.8
Southeast Corner of Basement	38	0	0	20.7	0	0	0	20.8
Northwest Corner of Basement	1.4	0	0	20.7	0	0	0	20.8
Northeast Corner of Basement	4	0	0	20.7	0	0	0	20.8
Top of Sump (SW corner)	4	0	0	20.7	0	0	0	20.8
Shower Drain	26	0	0	20.7	10	0	0	20.8
Sink Drain	140	1	0	20.7	8	0	0	20.8
Toilet	140	1	0	20.7	8	0	0	20.8
1451 W. Golf Road								
Background (S. of Bldg)	1	0	0	20.8	1	0	0	20.8
Breathing Zone of Basement	270	2	0	20.7	140	1	0	20.8
Southwest Corner of Basement	200	2	0	20.8	110	1	0	20.8
Southeast Corner of Basement	270	2	0	20.7	150	1	0	20.8
Northwest Corner of Basement	240	2	0	20.8	140	1	0	20.8
Northeast Corner of Basement	300	2	0	20.7	140	1	0	20.8
Top of Sump (south wall)	250	2	0	20.8	200	1	0	20.8
Crack in Floor (Center of Basement)	>1000	86	0	20.6	>1000	29	0	20.4
Crack in Floor (West End)	300	2	0	20.8	220	1	0	20.8
Floor Drain	240	2	0	20.7	180	1	0	20.8