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**YEOMAN CREEK/EDWARDS FIELD LANDFILLS RI/FS  
MONTHLY PROGRESS REPORT  
FOR DECEMBER 1994**

**Submitted to:**

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

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**January 1995**

**933-8136.07**

## MONTHLY PROGRESS REPORT

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TO: USEPA/IEPA

FROM: Golder Associates Inc.

RE: YEOMAN CREEK/EDWARDS FIELD LANDFILLS RI/FS  
MONTHLY PROGRESS REPORT FOR DECEMBER 1994

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This forty-first 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 December 1, 1994 to December 31, 1994.

### RI/FS ACTIVITIES

#### Field Activities

The monthly site inspection was conducted on December 20, 1994. 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. No damage to the perimeter fence at the Yeoman Creek Landfill was observed. At the Edwards Field Landfill, minor damage to the perimeter fence was noted. The barbed wire on the gate of the non-contiguous area was missing. This damage is planned to be repaired in January 1995.

During December 1994, the fence contractor completed the fence relocation work at the Yeoman Creek Landfill.

Pursuant to the second amendment to the Administrative Order by Consent, air monitoring in the basements of the Evoy property at 2122 Yeoman Street and the Terrace Nursing Home property continued in December 1994. At the request of USEPA, the frequency of air monitoring at the Terrace Nursing Home was increased to 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 December 1994 at the request of USEPA. Monitoring results are provided in Table 2. During the December 1 and 16, 1994 monitoring events, readings in several of the basements exceeded the 100 ppm action level. However, at the time of these monitoring events, the system was periodically inoperable while it was being serviced. After repairs were complete, confirmatory monitoring performed during the next weekly monitoring event confirmed that the readings in all of the units except 1451 were below the 100 ppm action level.

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 December 1994. The exhaust fans in Units 1415/1419 and 1451 which had been removed for repair on November 29, 1994, were reinstalled on December 15, 1994.

#### Deliverables and Correspondence

On December 9, 1994, Golder Associates received a letter from IEPA regarding their comments on the Groundwater Information Excerpted from the Remedial Investigation Report.

On December 10, 1994, Golder Associates sent the changed pages from the Feasibility Study to USEPA in response to USEPA's letter dated October 27, 1994.

#### WORK PROPOSED FOR THE NEXT REPORTING PERIOD (JANUARY)

RI/FS activities expected to begin or continue in January 1994 include:

- Completion of the Final Inspection of the AEVS.
- Operation and maintenance of the AEVS.
- Preparation of the Construction Completion Report for the AEVS.
- Preparation of the Final RI Report, which will include the revisions made in the June and July 1994 updates, for submission to USEPA .

(36078008.wp1/srh)

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

Date Monitoring Location	February 28, 1994			March 17, 1994			April 15, 1994			May 19, 1994			June 23, 1994			July 22, 1994		
	FID (ppm)	%LEL	%Oxygen	FID (ppm)	%LEL	%Oxygen	FID (ppm)	%LEL	%Oxygen	FID (ppm)	%LEL	%Oxygen	FID (ppm)	%LEL	%Oxygen	FID (ppm)	%LEL	%Oxygen
2122 Yeoman Street (Evoy Property)		NM(5)	NM(5)															
Background	0.0			0.0 to 3.0	0.0	20.8	0.0	0.0	20.8	4.5	0.0	20.8	0.0	0.0	20.8	0.0	0.0	20.2
Sump (SW corner)	0.0			1.0	0.0	20.8	22.0	0.0	20.8	4.8	0.0	20.8	0.0	0.0	20.8	3.2	0.0	20.2
Floor Drain SW corner	0.0			1.0	0.0	20.8	0.5	0.0	20.8	4.5	0.0	20.7	0.0	0.0	20.9	0.0	0.0	20.2
Entrance to crawl space	0.0			1.5	0.0	20.8	0.5	0.0	20.8	6.4	0.0	20.7	1.0	0.0	20.9	0.0	0.0	20.3
Floor/wall joints:																		
North wall	0.0			1.5 to 2.0	0.0	20.8	0.5	0.0	20.8	4.5	0.0	20.7	0.0	0.0	20.9	2.1	0.0	20.4
South wall	0.0			1.0 to 2.0	0.0	20.8	0.5	0.0	20.8	4.7	0.0	20.6	0.0	0.0	20.9	1.4	0.0	20.5
East wall	0.0			1.5 to 2.0	0.0	20.8	0.5	0.0	20.8	4.5	0.0	20.7	0.0	0.0	20.9	1.8	0.0	20.5
West wall	0.0			1.0 to 2.0	0.0	20.8	0.5	0.0	20.8	4.5	0.0	20.7	0.0	0.0	20.9	1.8	0.0	20.5
1615 Sunset Avenue (Terrace Nursing Home)	NM(3)	NM(3)	NM(3)															
Background				0.0 to 1.0	0.0	20.8	0.0	0.0	20.8	0.0	0.0	20.8	0.0	0.0	20.8	0.0	0.0	20.3
Laundry Room																		
Ambient Air				12.0	0.0	21.0	2.8	0.0	20.9	3.5	0.0	20.7	0.0	0.0	21.0	2.2	0.0	20.4
Crack in floor (E-W @ E)				90.0	0.0	21.0	3.6	0.0	20.8	3.5	0.0	20.7	2.0	0.0	21.0	1.0	0.0	20.3
Crack in floor (N-S @ S)				40.0	0.0	21.0	4.0	0.0	20.8	3.5	0.0	20.7	0.0	0.0	21.0	1.3	0.0	20.2
Floor drain (East)				10.0	0.0	20.8	2.8	0.0	20.8	5.6	0.0	20.7	0.0	0.0	21.0	1.6	0.0	20.3
Floor drain (West)				10.0	0.0	20.8	2.0	0.0	20.7	2.9	0.0	20.7	0.0	0.0	21.0	6.8	0.0	20.2
Linen Room																		
Ambient Air				10.0	0.0	20.8	4.0	0.0	20.8	1.8	0.0	20.7	0.0	0.0	21.0	0.6	0.0	20.2
Cracks in concrete																		
Mid room, N-S @ S				10.0	0.0	20.8	5.8	0.0	20.8	1.4	0.0	20.7	0.0	0.0	21.0	0.0	0.0	20.2
East end, N-S @ center				10.0	0.0	20.8	5.2	0.0	20.8	1.8	0.0	20.7	0.0	0.0	21.0	0.5	0.0	20.2
East wall, @ breathing zone				12.0	0.0	20.8	1.0	0.0	20.8	1.8	0.0	20.7	0.0	0.0	21.0	0.0	0.0	20.2
Medical records room(Ambient Air)				0.0	0.0	20.8	5.2	0.0	20.8	2.2	0.0	20.8	0.0	0.0	21.0	0.0	0.0	20.3
Lunch Room(Ambient Air)				0.5	0.0	20.8	3.0	0.0	20.8	NM(6)	NM(6)	NM(6)	NM(6)	NM(6)	NM(6)	0.0	0.0	20.3
Maintenance room(Ambient Air)				0.0	0.0	20.8	5.8	0.0	20.9	1.4	0.0	20.7	0.0	1.0	20.8	0.0	1.0	20.3
Boiler room																		
Ambient Air				0.0	0.0	20.8	3.4	0.0	20.9	0.6	0.0	20.8	0.0	0.0	20.8	0.0	0.0	20.3
Floor drain				0.0	0.0	20.8	3.4	0.0	20.9	0.4	0.0	20.8	0.0	1.0	20.8	0.0	1.0	20.3
Hair Salon(Ambient Air)				14.0	0.0	21.0	4.8	0.0	20.9	9.0	0.0	20.8	0.0	0.0	20.9	0.0	0.0	20.4
North office(Ambient Air)				0.0	0.0	20.8	2.9	0.0	20.9	1.5	0.0	20.8	0.0	1.0	20.9	0.0	1.0	20.2
Activities room				0.0	0.0	20.8												
Ambient Air				0.0	0.0	20.8	2.4	0.0	20.9	4.2	0.0	20.8	0.0	1.0	20.9	0.0	1.0	20.3
Floor drain				0.0	0.0	20.8	55.0	0.0	20.8	2.4	0.0	20.8	0.0	1.0	20.9	0.0	1.0	20.2
Physiotherapy(Ambient Air)				0.0	0.0	20.8	2.6	0.0	20.9	2.0	0.0	20.8	0.0	0.0	20.9	0.0	0.0	20.2
Lounge(Ambient Air)				0.5	0.0	20.8	1.8	0.0	20.9	1.5	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.2
South office(Ambient Air)				NM	NM	NM	3.2	0.0	20.9	1.8	0.0	20.8	0.0	1.0	20.9	0.1	1.0	20.1
South caged storage area (Ambient Air)				0.0	0.0	20.8	2.0	0.0	20.9	2.1	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.2
Activities office(Ambient Air)				0.0	0.0	20.8	1.2	0.0	20.9	4.2	0.0	20.8	0.0	1.0	20.9	0.0	1.0	20.3
Vending room(Ambient Air)				0.0	0.0	20.9	3.2	0.0	20.9	1.8	0.0	20.9	0.0	1.0	20.9	0.0	1.0	20.3
NW lunch room(Ambient Air)				0.0	0.0	21.0	3.2	0.0	20.9	2.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.2
North caged storage area(Ambient Air)				0.0	0.0	20.8	2.0	0.0	20.9	1.6	0.0	20.9	0.0	1.0	20.9	0.0	1.0	20.3
Duct room(Ambient Air)				1.0	0.0	20.8	3.2	0.0	20.9	2.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.2
Open Storage																		
Ambient Air				0.0	0.0	20.8	2.0	0.0	20.9	2.0	0.0	20.9	0.0	1.0	20.9	0.0	1.0	20.2
Floor drain																		
Sump room																		
Sump				0.0 to 2.0	0.0	20.8	120.0	0.0	20.9	7.0	0.0	20.8	420.0	0.0	20.9	20.3	0.0	20.3
Ambient Air				0.0 to 1.0	0.0	20.8	3.4	0.0	20.9	1.8	0.0	20.8	0.0	0.0	20.9	0.0	0.0	20.2

1 CGI - Combustible Gas Indicator  
 2 FID - Flame Ionization Detector  
 3 During the February 28, 1994 inspection, access to 1615 Sunset Avenue could not be obtained  
 4 NM - Not Measured  
 5 CGI readings during the February 28, 1994 inspection could not be obtained due to malfunctioning equipment  
 6 Key to room not available on-site and therefore the room was not accessible  
 7 Readings were not obtained due to malfunctioning equipment

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

Date Monitoring Location	August 18, 1994			September 27, 1994			October 18, 1994(7)			November 18, 1994			November 23, 1994			December 1, 1994		
	FID (ppm)	%LEL	%Oxygen	FID (ppm)	%LEL	%Oxygen	FID (ppm)	%LEL	%Oxygen	FID (ppm)	%LEL	%Oxygen	FID (ppm)	%LEL	%Oxygen	FID (ppm)	%LEL	%Oxygen
2122 Yeoman Street (Evoy Property)																		
Background	0.0	0.0	20.8	2.4	0.0	20.6	4.7-5.5	0	20.8	0.0	0	21.7	NM	NM	NM	NM	NM	NM
Sump (SW corner)	4.0	0.0	20.8	2.2	0.0	20.6	51.3	1	20.8	4.0-5.0	0	21.8	NM	NM	NM	NM	NM	NM
Floor Drain SW corner	3.6	0.0	20.9	2.2	0.0	20.6	48.2	1	20.8	5.4	0	21.8	NM	NM	NM	NM	NM	NM
Entrance to crawl space	4.8	0.0	20.8	2.2	0.0	20.6	97.6	0	20.8	7.5	0	21.5	NM	NM	NM	NM	NM	NM
Floor/wall joints																		
North wall	3.4	0.0	21.0	2.2	0.0	20.5	5.2	1	20.8	5.6	0	21.9	NM	NM	NM	NM	NM	NM
South wall	3.4	0.0	21.0	2.2	0.0	20.5	52.1	1	20.8	5.6	0	21.9	NM	NM	NM	NM	NM	NM
East wall	3.4	0.0	21.0	2.2	0.0	20.5	53.4	1	20.8	5.6	0	21.9	NM	NM	NM	NM	NM	NM
West wall	3.4	0.0	21.0	2.2	0.0	20.5	49.2	0	20.7	20.0	0	21.8	NM	NM	NM	NM	NM	NM
1615 Sunset Avenue (Terrace Nursing Home)																		
Background	0.0	0.0	20.8	0.8	0.0	20.4	30	0	20.8	1.0	0	22.5	0.3	0	20.4	1.0	0	20.8
Laundry Room																		
Ambient Air	1.8	0.0	21.0	0.8	0.0	20.4	60.5	0	20.8	3.7	0	22.5	0.3	0	20.5	7.0	0	20.8
Crack in floor (E-W @ E)	2.0	1.0	20.8	0.8	0.0	20.3	58.2	0	20.8	6.3	0	22.5	0.3	0	20.5	7.0	0	20.8
Crack in floor (N-S @ S)	1.8	1.0	20.8	0.8	0.0	20.3	74.1	1	20.7	6.3	0	22.5	0.3	0	20.5	7.0	0	20.8
Floor drain (East)	28.0	1.0	20.9	0.8	0.0	20.3	57.4	0	20.7	3.4	0	22.5	0.3	0	20.5	7.5	0	20.8
Floor drain (West)	1.4	0.0	20.9	0.8	0.0	20.3	64.3	0	20.7	3.3	0	22.5	0.3	0	20.5	5.0	0	20.8
Linen Room																		
Ambient Air	2.6	0.0	20.9	0.8	0.0	20.3	55.1	0	20.7	3.2	0	22.6	0.3	0	20.1	5.0	0	20.8
Cracks in concrete																		
Mid room, N-S @ S	2.2	0.0	20.9	0.8	0.0	20.3	53.6	0	20.7	2.7	0	22.5	0.3	0	19.9	3.8	0	20.7
East end, N-S @ center	2.4	0.0	20.8	0.8	0.0	20.2	50.5	0	20.7	3.1	0	22.5	0.3	0	19.9	4.5	0	20.7
East wall, @ breathing zone	2.8	0.0	20.9	0.7	0.0	20.2	50.5	0	20.6	4.3	0	22.6	0.3	0	19.9	4.5	0	20.7
Medical records room(Ambient Air)	0.3	0.0	21.0	0.8	0.0	20.4	6.8	0	20.6	1.8	0	22.3	0.2	0	20.2	2.8	0	20.5
Lunch Room(Ambient Air)	0.3	0.0	21.0	0.8	0.0	20.3	62.7	0	20.6	2.2	0	22.5	0.2	0	20.1	3.0	0	20.6
Maintenance room(Ambient Air)	0.6	0.0	21.0	0.8	0.0	20.4	89.1	0	20.7	1.4	0	22.3	0.3	0	20.1	0.0	0	20.6
Boiler room																		
Ambient Air	0.0	1.0	21.0	0.7	0.0	20.5	52.1	0	20.6	1.3	0	22.4	0.2	0	20.6	0.0	0	20.6
Floor drain	0.0	0.0	21.0	0.8	0.0	20.5	45.2	0	20.6	1.2	0	22.4	0.2	0	20.6	0.0	0	20.6
Hair Salon(Ambient Air)	0.2	0.0	21.0	0.7	0.0	20.5	90.6	0	20.7	3.3	0	22.5	1.0	0	20.5	1.0	0	20.6
North office(Ambient Air)	0.3	0.0	21.0	0.7	0.0	20.4	6.2	0	20.6	1.8	0	22.6	0.3	0	20.1	1.5	0	20.5
Activities room																		
Ambient Air	0.4	0.0	21.0	0.7	0.0	20.4	65.8	0	20.6	2.0	0	22.6	NM	NM	NM	1.8	0	20.6
Floor drain	0.8	0.0	21.0	0.7	0.0	20.4	97.3	0	20.6	2.0	0	22.6	NM	NM	NM	1.8	0	20.5
Physiotherapy(Ambient Air)	0.7	0.0	21.0	0.6	0.0	20.4	65.8	0	20.5	1.4	0	22.5	0.3	0	19.9	1.5	0	20.5
Lounge(Ambient Air)	0.6	0.0	20.9	0.6	0.0	20.4	61.2	0	20.6	1.8	0	22.5	0.3	0	20.0	1.8	0	20.6
South office(Ambient Air)	0.8	0.0	20.9	0.7	0.0	20.4	62.7	0	20.5	2.2	0	22.4	0.3	0	20.0	1.5	0	20.6
South caged storage area (Ambient Air)	0.7	0.0	20.9	0.5	0.0	20.3	103	0	20.7	2.0	0	22.5	0.2	0	19.9	1.5	0	20.5
Activities office(Ambient Air)	1.4	0.0	20.8	0.6	0.0	20.3	123	0	20.6	2.1	0	22.5	0.3	0	20.0	1.5	0	20.6
Vending room(Ambient Air)	1.0	0.0	20.9	0.3	0.0	20.2	85.4	0	20.5	2.0	0	22.5	0.3	0	20.0	1.7	0	20.6
NW lunch room(Ambient Air)	0.6	0.0	20.9	0.3	0.0	20.4	82.4	0	20.6	1.9	0	22.5	0.2	0	20.1	1.5	0	20.6
North caged storage area(Ambient Air)	0.6	0.0	20.9	0.2	0.0	20.4	95.1	0	20.7	1.5	0	22.5	0.2	0	20.0	1.6	0	20.6
Duct room(Ambient Air)	0.7	0.0	20.9	0.2	0.0	20.4	86.1	0	20.6	2.3	0	22.5	0.3	0	20.0	1.2	0	20.5
Open Storage																		
Ambient Air	0.0	0.0	20.9	0.2	0.0	20.4	83.9	0	20.6	2.0	0	22.4	0.3	0	20.1	1.2	0	20.6
Floor drain	5.0	0.0	20.9	0.2	0.0	20.3	159.2	4	20.5	7.0	0	22.4	1.0	0	20.0	4.0	0	20.5
Sump room																		
Sump	70.3	0.0	20.9	0.5	0.0	20.4	195.5	2	20.5	5.0	0	22.5	NM	NM	NM	2.0	0	20.5
Ambient Air	0.4	0.0	20.9	0.4	0.0	20.4	86.1	0	20.7	2.0	0	22.5	NM	NM	NM	1.8	0	20.5

1 CGI - Combustible Gas Indicator  
 2 FID - Flame Ionization Detector  
 3 During the February 28, 1994 inspection, access to 1615 Sunset Avenue could not be obtained  
 4 NM - Not Measured  
 5 CGI readings during the February 28, 1994 inspection could not be obtained due to malfunctioning equipment  
 6 Key to room was not available on-site and therefore the room was not accessible  
 7 Readings were likely due to malfunctioning equipment

Golder Associates

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

Date Monitoring Location	December 6, 1994			December 16, 1994			December 20, 1994			December 29, 1994		
	FID (ppm)	%LEL	%Oxygen	FID (ppm)	%LEL	%Oxygen	FID (ppm)	%LEL	%Oxygen	FID (ppm)	%LEL	%Oxygen
<b>2122 Yeoman Street (Evoy Property)</b>												
Background	NM	NM	NM	NM	NM	NM	0	0	20.8	0	0	20.8
Sump (SW corner)	NM	NM	NM	NM	NM	NM	15-20	0	20.9	10	0	20.8
Floor Drain SW corner	NM	NM	NM	NM	NM	NM	6	0	20.8	1	0	21.0
Entrance to crawl space	NM	NM	NM	NM	NM	NM	5	0	20.9	1	0	21.0
Floor/wall joints:												
North wall	NM	NM	NM	NM	NM	NM	4.5	0	20.9	1	0	20.8
South wall	NM	NM	NM	NM	NM	NM	4.5	0	20.8	1	0	21.0
East wall	NM	NM	NM	NM	NM	NM	4.5	0	20.9	1	0	20.9
West wall	NM	NM	NM	NM	NM	NM	220	0	20.8	3	0	21.0
<b>1615 Sunset Avenue (Terrace Nursing Home)</b>												
Background	0	0	20.8	0.0	0	20.8	0.0	0	20.8	1.0	0	20.8
Laundry Room												
Ambient Air	4	0	20.8	5.0	0	20.6	6.2	0	20.7	10.0	0	20.9
Crack in floor (E-W @ E)	3	0	20.8	8.0	0	20.6	6.0	0	20.7	9.0	0	20.8
Crack in floor (N-S @ S)	7.5	0	20.8	12.0	0	20.6	9.0	0	20.7	8.0	0	20.8
Floor drain (East)	4	0	20.7	4.0	0	20.6	8.0	0	20.5	7.0	0	20.8
Floor drain (West)	4	0	20.8	4.0	0	20.6	5.0	0	20.6	6.0	0	20.8
Linen Room												
Ambient Air	2.4	0	20.6	4.0	0	20.6	5.0	0	20.4	5.0	0	20.8
Cracks in concrete:												
Mid room, N-S @ S	1.8	0	20.6	4.0	0	20.6	4.0	0	20.5	3.0	0	20.8
East end, N-S @ center	2	0	20.6	4.0	0	20.6	5.0	0	20.5	4.4	0	20.9
East wall, @ breathing zone	2	0	20.6	5.0	0	20.6	5.0	0	20.5	4.7	0	20.9
Medical records room(Ambient Air)	7	0	20.6	2.3	0	20.6	2.0	0	20.5	2.0	0	20.8
Lunch Room(Ambient Air)	2.3	0	20.5	2.3	0	20.8	3.0	0	20.4	3.2	0	20.8
Maintenance room(Ambient Air)	6	0	20.6	2.3	0	20.6	2.5	0	20.5	1.2	0	20.8
Boiler room												
Ambient Air	2.4	0	20.5	2.3	0	20.6	1.0	0	20.5	0.5	0	20.9
Floor drain	3	0	20.5	2.0	0	20.6	1.0	0	20.5	0.5	0	20.9
Hair Salon(Ambient Air)	7	0	20.6	2.0	0	20.6	2.0	0	20.3	1.4	0	20.8
North office(Ambient Air)	1.4	0	20.4	1.5	0	20.7	2.0	0	20.5	1.6	0	20.8
Activities room												
Ambient Air	1.6	0	20.5	1.5	0	20.7	2.0	0	20.4	1.4	0	20.8
Floor drain	1.8	0	20.4	1.5	0	20.7	3.0	0	20.4	1.4	0	20.8
Physiotherapy(Ambient Air)	1.6	0	20.4	1.5	0	20.7	2.0	0	20.4	1.4	0	20.8
Lounge(Ambient Air)	1.5	0	20.5	2.3	0	20.7	2.0	0	20.4	2.4	0	20.8
South office(Ambient Air)	7.8	0	20.6	2.3	0	20.7	3.0	0	20.4	2.3	0	20.8
South caged storage area (Ambient Air)	7	0	20.6	2.0	0	20.8	2.4	0	20.3	2.0	0	20.7
Activities office(Ambient Air)	1.5	0	20.4	1.5	0	20.8	2.0	0	20.2	1.6	0	20.8
Vending room(Ambient Air)	1.4	0	20.4	1.5	0	20.8	2.0	0	20.2	1.4	0	20.8
NW lunch room(Ambient Air)	1.4	0	20.5	1.5	0	20.8	2.0	0	20.2	1.1	0	20.8
North caged storage area(Ambient Air)	6.7	0	20.5	2.0	0	20.8	2.0	0	20.2	1.3	0	20.8
Duct room(Ambient Air)	1.5	0	20.4	2.4	0	20.8	2.0	0	20.2	1.6	0	20.8
Open Storage												
Ambient Air	1.4	0	20.4	2.0	0	20.8	2.0	0	20.2	1.4	0	20.7
Floor drain	2.4	0	20.4	30-300	1	20.8	20-100	0	20.2	80-100	0	20.6
Sump room												
Sump	9.2	0	20.5	50-90	0	20.9	10-20	0	20.2	6.0	0	20.7
Ambient Air	7	0	20.5	2.0	0	20.8	2.5	0	20.2	1.5	0	20.7

- 1 CGI - Combustible Gas Indicator
- 2 FID - Flame Ionization Detector
- 3 During the February 28, 1994 inspection, access to 1615 Sunset Avenue could not be obtained
- 4 NM - Not Measured
- 5 CGI readings during the February 28, 1994 inspection could not be obtained due to malfunctioning equipment
- 6 Key to room was not available on-site and therefore room was not accessible
- 7 Readings were likely due to malfunctioning equipment

Golder Associates

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

LOCATION	December 1, 1994 (1)				December 9, 1994			
	FID (ppm)	CGI			FID (ppm)	CGI		
		LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)		LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)
<b>1401 W. Golf</b>								
Background (N. of Bldg)	0-2	1	0	20.8	0.0-1.0	0	0	20.8
Breathing Zone of Basement	230	1	0	20.9	0	0	0	21.1
Southwest Corner of Basement	220	1	0	20.9	0	0	0	21.1
Southeast Corner of Basement	160	1	0	20.9	0	0	0	21.1
Northwest Corner of Basement	230	1	0	20.9	0	0	0	21.1
Northeast Corner of Basement	600	2	0	20.7	0	0	0	21.1
Top of Sump	>1000	2	0	20.8	0	0	0	21.1
Sink Drain	220	1	0	20.9	0	0	0	21.1
Toilet Drain (Plugged)	220	1	0	20.9	0	0	0	21.1
Shower Drain (Plugged)	220	1	0	20.9	0	0	0	21.1
Sauna Drain (Rag Stuffed in Drain)	220	1	0	20.9	0	0	0	21.1
Crack in floor (NE corner, AS-1)	>1000	>100	0	>19.3	0	0	0	21.1
Crack in floor (north of sump, AS-2)	>1000	51	0	20.5	0	0	0	21.1
<b>1407 W. Golf</b>								
Background (N. of Bldg)	2	0	0	20.8	NM	NM	NM	NM
Breathing Zone of Basement	280	0	0	20.8	40.0	0	0	20.8
Southwest Corner of Basement	300	0	0	20.8	42.0	0	0	20.9
Southeast Corner of Basement	280	0	0	20.8	10-20	0	0	20.8
Northwest Corner of Basement	300	0	0	20.8	40.0	0	0	20.9
Northeast Corner of Basement	280	0	0	20.8	38.0	0	0	20.8
Top of Sump	280	0	0	20.8	30-40	0	0	20.8
Crack in Floor Near N. Wall (Center)	280	0	0	20.8	40	0	0	20.8
Crack in Floor at S. Wall	>1000	8	0	20.8	50.0	0	0	20.9
Floor Drain	320	0	0	20.8	250-450	1	0	20.8
<b>1415 &amp; 1419 W. Golf</b>								
<b>Laundry Room</b>								
Background (N. of Bldg)	2	0	0	20.8	0	0	0	20.9
Breathing Zone of Basement	260	1	0	20.9	35.0	0	0	20.9
Southwest Corner of Basement	500	2	0	20.9	28	0	0	20.9
Southeast Corner of Basement	300	1	0	20.8	43	0	0	20.9
Northwest Corner of Basement	340	1	0	20.9	33	0	0	20.9
Northeast Corner of Basement	450-550	2	0	20.9	30-40	0	0	20.9
Sump (No pump installed)	>1000	40	0	20.5	>1000	14	0	20.9
<b>Sign Making Room</b>								
Breathing Zone of Basement	260	1	0	20.9	25	0	0	20.8
Southwest Corner of Basement	260	0	0	20.9	25	0	0	20.8
Southeast Corner of Basement	700-800	2	0	20.9	40	0	0	20.8
Northwest Corner of Basement	280	1	0	20.9	25	0	0	20.8
Northeast Corner of Basement	320	1	0	20.9	35	0	0	20.8
Crack in Floor (Center)	460	1	0	20.9	35	0	0	20.8
Floor Drain (Blocked)	900-1000	2	0	20.7	40	0	0	20.8
<b>1425 W. Golf</b>								
Background (N. of Bldg)	0	0	0	20.8	NM	NM	NM	NM
Breathing Zone of Basement	350	1	0	20.7	42.0	0	0	20.9
Southwest Corner of Basement	360	1	0	20.8	46.0	0	0	20.8
Southeast Corner of Basement	420	1	0	20.8	50	0	0	20.9
Northwest Corner of Basement	370	0	0	20.8	44	0	0	20.9
Northeast Corner of Basement	290	0	0	20.8	56.0	0	0	20.9
Top of Sump	400	1	0	20.8	44.0	0	0	20.8
Crack in Floor Near Southeast Corner	420	1	0	20.8	80-90	0	0	20.8
Crack in Floor of Workroom (North)	600-700	1	0	20.8	80-90	0	0	20.8
Floor Drain (blocked)	620	2	0	20.7	280	1	0	20.7
<b>1431 W. Golf</b>								
Background (S. of Bldg)				0	0	0	0	20.8
Breathing Zone of Basement	300	1	0	20.8	12	0	0	21.0
Southwest Corner of Basement	340	1	0	20.8	120	1	0	20.9
Southeast Corner of Basement	610	1	0	20.8	220	1	0	20.9
Northwest Corner of Basement	420	1	0	20.8	13	0	0	21.0
Northeast Corner of Basement	400	1	0	20.8	12	0	0	21.0
Top of Sump (SW corner)	500	1	0	20.8	100	0	0	20.9
Shower Drain	640	1	0	20.7	22	0	0	21.0
Sink Drain	350	1	0	20.8	28	0	0	21.0
Toilet	550	1	0	20.8	23	0	0	21.0
<b>1451 W. Golf Road</b>								
Background (S. of Bldg)	2	0	0	20.8	0-1.0	0	0	20.8
Breathing Zone of Basement	>1000	4	0	20.7	800	3	0	20.7
Southwest Corner of Basement	>1000	4	0	20.7	700-800	3	0	20.7
Southeast Corner of Basement	>1000	4	0	20.6	760	4	0	20.4
Northwest Corner of Basement	>1000	5	0	20.7	980	4	0	20.4
Northeast Corner of Basement	>1000	4	0	20.6	760	4	0	20.4
Top of Sump (south wall)	>1000	8	0	20.7	670	3	0	20.7
Crack in Floor (Center of Basement)	>1000	38	0	20.4	>1000	20.0	0	20.3
Crack in Floor (West End)	>1000	-	0	20.7	>1000	6.0	0	20.5
Floor Drain	>1000	4	0	20.6	>1000	8.0	0	20.5

Notes:  
NM= Not Measured

1. Exceedances correlate with periods when the system is not in operation.

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

LOCATION	December 16, 1994 (1)				December 20, 1994			
	FID (ppm)	CGI			FID (ppm)	CGI		
		LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)		LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)
<b>1401 W Golf</b>								
Background (N of Bldg)	0	0	0	20.8	0	0	0	20.8
Breathing Zone of Basement	280	1	0	20.9	4	0	0	21
Southwest Corner of Basement	250	1	0	20.9	3	0	0	21
Southeast Corner of Basement	190	1	0	20.9	2	0	0	21
Northwest Corner of Basement	280	1	0	20.9	2	0	0	21
Northeast Corner of Basement	500	2	0	20.6	2	0	0	20.9
Top of Sump	210	1	0	20.8	6	0	0	21
Sink Drain	250	1	0	20.8	3	0	0	21
Toilet Drain (Plugged)	250	1	0	20.8	3	0	0	21
Shower Drain (Plugged)	280	1	0	20.7	2	0	0	20.9
Sauna Drain (Rag Stuffed in Drain)	280	1	0	20.7	2	0	0	20.9
Crack in floor (NE corner, AS-1)	>1000	16	0	20.6	6	0	0	20.9
Crack in floor (north of sump, AS-2)	>1000	25	0	20.5	9	0	0	21
<b>1407 W Golf</b>								
Background (N of Bldg)	NM	NM	NM	NM	0	0	0	20.8
Breathing Zone of Basement	240	1	0	20.7	65	0	0	20.7
Southwest Corner of Basement	290	1	0	20.6	66	0	0	20.7
Southeast Corner of Basement	300	1	0	20.6	25	0	0	20.7
Northwest Corner of Basement	280	1	0	20.6	63	0	0	20.7
Northeast Corner of Basement	300	1	0	20.6	62	1	0	20.7
Top of Sump	300	1	0	20.6	90	1	0	20.7
Crack in Floor Near N Wall (Center)	290	1	0	20.6	62	0	0	20.7
Crack in Floor at S Wall	>1000	40	0	20.4	>1000	23	0	20.5
Floor Drain	300	1	0	20.6	100-300	1	0	20.7
<b>1415 &amp; 1419 W Golf</b>								
<b>Laundry Room</b>								
Background (N of Bldg)	5	0	0	20.8	1	0	0	21
Breathing Zone of Basement	450	2	0	20.9	62	1	0	21.1
Southwest Corner of Basement	550	2	0	20.9	60-75	1	0	21.1
Southeast Corner of Basement	700-800	2	0	20.9	60-100	1	0	21.1
Northwest Corner of Basement	680	2	0	20.9	69	1	0	21.2
Northeast Corner of Basement	700	3	0	20.9	70	1	0	21.1
Sump (No pump installed)	>1000	82	0	20.3	>1000	19	0	20.9
<b>Sign Making Room</b>								
Breathing Zone of Basement	700	3	0	20.7	75	1	0	21.1
Southwest Corner of Basement	710	3	0	20.8	75	1	0	21.1
Southeast Corner of Basement	>1000	7	0	20.7	20	1	0	21.1
Northwest Corner of Basement	710	3	0	20.7	74	1	0	21.1
Northeast Corner of Basement	960	5	0	20.7	72	1	0	21.1
Crack in Floor (Center)	>1000	4	0	20.7	250	1	0	21.1
Floor Drain (Blocked)	>1000	3	0	20.7	300-550	2	0	21
<b>1425 W Golf</b>								
Background (N of Bldg)	0	0	0	20.8	1	0	0	20.8
Breathing Zone of Basement	320	1	0	20.7	70	1	0	20.8
Southwest Corner of Basement	450	1	0	20.7	200	1	0	20.8
Southeast Corner of Basement	410	1	0	20.7	78	1	0	20.9
Northwest Corner of Basement	520	1	0	20.7	68-200	1	0	20.9
Northeast Corner of Basement	>1000	4	0	20.7	95-100	1	0	20.9
Top of Sump	450	1	0	20.7	130	1	0	20.9
Crack in Floor Near Southeast Corner	450	1	0	20.7	180	1	0	20.9
Crack in Floor of Workroom (North)	590	2	0	20.7	160-200	1	0	20.9
Floor Drain (blocked)	>1000	100	0	1.7	300-800	3	0	20.7
<b>1431 W Golf</b>								
Background (S of Bldg)	0	0	0	20.8	NM	0	0	NM
Breathing Zone of Basement	90	0	0	20.8	25	1	0	20.9
Southwest Corner of Basement	320	1	0	20.8	75	1	0	20.9
Southeast Corner of Basement	980	3	0	20.8	190	1	0	20.9
Northwest Corner of Basement	68	0	0	20.8	12	1	0	20.9
Northeast Corner of Basement	95	0	0	20.8	24	1	0	20.9
Top of Sump (SW corner)	320	1	0	20.8	52	1	0	20.9
Shower Drain	280	1	0	20.8	36	1	0	20.9
Sink Drain	310	1	0	20.8	66	1	0	20.9
Toilet	310	1	0	20.8	62	1	0	20.9
<b>1451 W Golf Road</b>								
Background (S of Bldg)	0	0	0	20.8	NM	NM	NM	NM
Breathing Zone of Basement	>1000	5	0	20.8	810	3	0	20.9
Southwest Corner of Basement	>1000	5	0	20.8	700-900	3	0	21
Southeast Corner of Basement	>1000	5	0	20.8	800	3	0	20.9
Northwest Corner of Basement	>1000	5	0	20.8	>1000	3	0	21
Northeast Corner of Basement	>1000	5	0	20.8	700-800	3	0	20.9
Top of Sump (south wall)	>1000	4	0	20.8	790-900	3	0	21
Crack in Floor (Center of Basement)	>1000	45	0	20.6	>1000	20	0	20.7
Crack in Floor (West End)	>1000	11	0	20.8	>1000	4	0	21
Floor Drain	>1000	4	0	20.8	>1000	5	0	21

Notes:  
NM= Not Measured

1 Exceedances correlate with periods when the system is not in operation



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

LOCATION	December 29, 1994			
	FID (ppm)	COG		
		LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)
<b>1401 W. Golf</b>				
Background (N. of Bldg)	0	0	0	20.8
Breathing Zone of Basement	0	0	0	20.7
Southwest Corner of Basement	0	1	0	20.6
Southeast Corner of Basement	0	0	0	20.6
Northwest Corner of Basement	0	1	0	20.6
Northeast Corner of Basement	0	0	0	20.6
Top of Sump	0	0	0	20.6
Sink Drain	0	0	0	20.6
Toilet Drain (Plugged)	0	0	0	20.6
Shower Drain (Plugged)	0	0	0	20.6
Sauna Drain (Rag Stuffed in Drain)	0	0	0	20.6
Crack in floor (NE corner, AS-1)	0	0	0	20.6
Crack in floor (north of sump, AS-2)	0	0	0	20.6
<b>1407 W. Golf</b>				
Background (N. of Bldg)	0	0	0	20.7
Breathing Zone of Basement	0	0	0	20.7
Southwest Corner of Basement	0	0	0	20.8
Southeast Corner of Basement	6	0	0	20.8
Northwest Corner of Basement	0	0	0	20.7
Northeast Corner of Basement	0	0	0	20.8
Top of Sump	15	0	0	20.8
Crack in Floor Near N. Wall (Center)	8	0	0	20.8
Crack in Floor at S. Wall	55	0	0	20.8
Floor Drain	22	0	0	20.8
<b>1415 &amp; 1419 W. Golf</b>				
<b>Laundry Room</b>				
Background (N. of Bldg)	0	0	0	20.9
Breathing Zone of Basement	10	0	0	20.8
Southwest Corner of Basement	10	0	0	20.9
Southeast Corner of Basement	10	0	0	20.8
Northwest Corner of Basement	18	0	0	20.9
Northeast Corner of Basement	14	0	0	20.9
Sump (No pump installed)	1000	NR	0	16.4
<b>Sign Making Room</b>				
Breathing Zone of Basement	0	0	0	20.9
Southwest Corner of Basement	0	0	0	20.9
Southeast Corner of Basement	22	0	0	20.8
Northwest Corner of Basement	16	0	0	20.9
Northeast Corner of Basement	16	0	0	20.9
Crack in Floor (Center)	100	0	0	20.9
Floor Drain (Blocked)	200	1	0	20.8
<b>1425 W. Golf</b>				
Background (N. of Bldg)	NM	NM	NM	NM
Breathing Zone of Basement	42	1	0	20.9
Southwest Corner of Basement	48	0	0	20.8
Southeast Corner of Basement	48	0	0	20.8
Northwest Corner of Basement	42	1	0	20.8
Northeast Corner of Basement	40	1	0	20.9
Top of Sump	45	0	0	20.8
Crack in Floor Near Southeast Corner	98	1	0	20.8
Crack in Floor of Workroom (North)	120	1	0	20.8
Floor Drain (blocked)	1000	100	0	16.8
<b>1431 W. Golf</b>				
Background (S. of Bldg)	0	0	0	20.9
Breathing Zone of Basement	11	0	0	20.9
Southwest Corner of Basement	20	1	0	20.9
Southeast Corner of Basement	30	1	0	20.9
Northwest Corner of Basement	12	0	0	20.9
Northeast Corner of Basement	10	1	0	20.8
Top of Sump (SW corner)	24	1	0	20.8
Shower Drain	20	1	0	20.9
Sink Drain	35	1	0	20.9
Toilet	34	1	0	20.9
<b>1451 W. Golf Road</b>				
Background (S. of Bldg)	0	0	0	20.8
Breathing Zone of Basement	220	2	0	21
Southwest Corner of Basement	220	2	0	21
Southeast Corner of Basement	1000	3	0	21
Northwest Corner of Basement	220	2	0	21
Northeast Corner of Basement	1000	3	0	21
Top of Sump (south wall)	220	2	0	21
Crack in Floor (Center of Basement)	1000	22	0	20.8
Crack in Floor (West End)	1000	4	0	20.8
Floor Drain	1000	3	0	20.8

Notes  
NM= Not Measured

1. Exceedances correlate with periods when the system is not in operation

**Golder Associates Inc.**

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YEOMAN CREEK/EDWARDS FIELD LANDFILLS RI/FS  
MONTHLY PROGRESS REPORT  
FOR NOVEMBER 1994

Submitted to:

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

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December 1994

933-8136.07

## MONTHLY PROGRESS REPORT

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TO: USEPA/EPA  
FROM: Golder Associates Inc.  
RE: YEOMAN CREEK/EDWARDS FIELD LANDFILLS RI/FS  
MONTHLY PROGRESS REPORT FOR NOVEMBER 1994

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This fortieth 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 November 1, 1994 to November 30, 1994.

### RI/FS ACTIVITIES

#### Field Activities

The monthly site inspection was conducted on November 18, 1994. 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. No damage to the perimeter fence at the Edwards Field Landfill was observed. At the Yeoman Creek Landfill, minor damage to the perimeter fence was noted. The damage was limited to a minor cut in the fence fabric along the southern boundary of the landfill. This damage will be repaired during the fence relocation work at the Yeoman Creek Landfill.

During November 1994, the fence contractor began fence relocation work at the Yeoman Creek Landfill.

Pursuant to the second amendment to the Administrative Order by Consent, air monitoring in the basements of the Evoy property at 2122 Yeoman Street and the Terrace Nursing Home property continued in November 1994. At the request of USEPA, the frequency of air monitoring at the Terrace Nursing Home was increased to 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 November 1994 at the request of USEPA. Monitoring results are provided in Table 2. During the November 8, 1994 monitoring event, readings in several of the basements exceeded the 100 ppm action level. However, at the time of this monitoring event, the system was periodically inoperable while it was being serviced. After repairs were complete, confirmatory monitoring performed during the next weekly monitoring event confirmed that the readings in all of the units except 1451 were below the 100 ppm action level.

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.

Air monitoring in the crawlspace of 1301 Buck Avenue was performed on November 18, 1994. Monitoring results are provided in Table 3. These results indicate that the building is not being impacted by the landfill and, therefore, no further monitoring is planned. This building had not been constructed when the aerial survey for the Site was performed, and therefore, was not present on any of the maps used to identify buildings for basement screening. However, due to the proximity of the building to the Yeoman Creek Landfill, the Respondents believed that it was prudent to monitor this location.

Operation and maintenance of the AEVS continued in November 1994. It was noted during the monthly system inspection that system controls (e.g., valves) had been tampered with. In addition, the owner of Unit 1451 removed the automatic door closer from the kitchen to the basement and has refused to allow us to reinstall it. This may impact the ability of the AEVS to perform as designed.

#### Deliverables and Correspondence

On November 2, 1994, Golder Associates received a letter from USEPA regarding air monitoring at the 1401 through 1451 West Golf Road building, air monitoring at the Terrace Nursing Home, and the operation of the alarm system for the Air Exchange and Ventilation System (AEVS).

On November 16, 1994, Golder Associates sent a letter to USEPA in response to USEPA's letter dated November 2, 1994.

On November 16, 1994, Golder Associates sent a letter to USEPA regarding the generic plan to stockpile soil at the Yeoman Creek Landfill.

#### WORK PROPOSED FOR THE NEXT REPORTING PERIOD (DECEMBER)

RI/FS activities expected to begin or continue in December 1994 include:

- Completion of the Final Inspection of the AEVS.
- Operation and maintenance of the AEVS.
- Preparation of the Construction Completion Report for the AEVS.
- Fence relocation on the north side of the Yeoman Creek Landfill.
- Revision and submission of the Feasibility Study based on USEPA comments. Based on the schedule presented in a USEPA letter dated October 27, 1994, the revised Feasibility Study will be submitted to USEPA/IEPA on December 12, 1994.
- Preparation and submission of a memorandum regarding the Respondant's review of the proposed Supplement to the RI Report for the Yeoman Creek/Edwards Field Landfills.
- Preparation of the Final RI Report, which will include the revisions made in the June and July 1994 updates, for submission to USEPA.

Table 1  
Monthly Site Inspection Air Monitoring Results  
Yeoman Creek/Edwards Field Landfills RI/FS

Date Monitoring Location	February 28, 1994			March 17, 1994			April 15, 1994			May 19, 1994			June 23, 1994			July 22, 1994		
	FID (ppm)	%LEL	%Oxygen	FID (ppm)	%LEL	%Oxygen	FID (ppm)	%LEL	%Oxygen	FID (ppm)	%LEL	%Oxygen	FID (ppm)	%LEL	%Oxygen	FID (ppm)	%LEL	%Oxygen
2122 Yeoman Street (Evoy Property)																		
Background	0.0	NM(5)	NM(5)	0.0 to 3.0	0.0	20.8	0.0	0.0	20.8	4.5	0.0	20.8	0.0	0.0	20.8	0.0	0.0	20.2
Sump (SW corner)	0.0			1.0	0.0	20.8	22.0	0.0	20.8	4.8	0.0	20.8	0.0	0.0	20.8	3.2	0.0	20.2
Floor Drain SW corner)	0.0			1.0	0.0	20.8	0.5	0.0	20.8	4.5	0.0	20.7	0.0	0.0	20.9	0.0	0.0	20.2
Entrance to crawl space	0.0			1.5	0.0	20.8	0.5	0.0	20.8	6.4	0.0	20.7	1.0	0.0	20.9	0.0	0.0	20.3
Floor/wall joints																		
North wall	0.0			1.5 to 2.0	0.0	20.8	0.5	0.0	20.8	4.5	0.0	20.7	0.0	0.0	20.9	2.1	0.0	20.4
South wall	0.0			1.0 to 2.0	0.0	20.8	0.5	0.0	20.8	4.7	0.0	20.6	0.0	0.0	20.9	1.4	0.0	20.5
East wall	0.0			1.5 to 2.0	0.0	20.8	0.5	0.0	20.8	4.5	0.0	20.7	0.0	0.0	20.9	1.8	0.0	20.5
West wall	0.0			1.0 to 2.0	0.0	20.8	0.5	0.0	20.8	4.5	0.0	20.7	0.0	0.0	20.9	1.8	0.0	20.5
1615 Sunset Avenue (Terrace Nursing Home)																		
Background	NM(3)	NM(3)	NM(3)	0.0 to 1.0	0.0	20.8	0.0	0.0	20.8	0.0	0.0	20.8	0.0	0.0	20.8	0.0	0.0	20.3
Laundry Room																		
Ambient Air				12.0	0.0	21.0	2.8	0.0	20.9	3.5	0.0	20.7	0.0	0.0	21.0	2.2	0.0	20.4
Crack in floor (E-W ⊕ E)				90.0	0.0	21.0	3.6	0.0	20.8	3.5	0.0	20.7	2.0	0.0	21.0	0.0	0.0	20.3
Crack in floor (N-S ⊕ S)				40.0	0.0	21.0	4.0	0.0	20.8	3.5	0.0	20.7	0.0	0.0	21.0	1.3	0.0	20.2
Floor drain (East)				10.0	0.0	20.8	2.8	0.0	20.8	5.6	0.0	20.7	0.0	0.0	21.0	1.6	0.0	20.3
Floor drain (West)				10.0	0.0	20.8	2.0	0.0	20.7	2.9	0.0	20.7	0.0	0.0	21.0	6.8	0.0	20.2
Linen Room																		
Ambient Air				10.0	0.0	20.8	4.0	0.0	20.8	1.8	0.0	20.7	0.0	0.0	21.0	0.6	0.0	20.2
Cracks in concrete																		
Mid room, N-S ⊕ S				10.0	0.0	20.8	5.8	0.0	20.8	1.4	0.0	20.7	0.0	0.0	21.0	0.0	0.0	20.2
East end, N-S ⊕ center				10.0	0.0	20.8	5.2	0.0	20.8	1.8	0.0	20.7	0.0	0.0	21.0	0.5	0.0	20.2
East wall, ⊕ breathing zone				12.0	0.0	20.8	1.0	0.0	20.8	1.8	0.0	20.7	0.0	0.0	21.0	0.0	0.0	20.2
Medical records room(Ambient Air)				0.0	0.0	20.8	5.2	0.0	20.8	2.2	0.0	20.8	0.0	0.0	21.0	0.0	0.0	20.3
Lunch Room(Ambient Air)				0.5	0.0	20.8	3.0	0.0	20.8	NM(6)	NM(6)	NM(6)	NM(6)	NM(6)	NM(6)	0.0	0.0	20.3
Maintenance room(Ambient Air)				0.0	0.0	20.8	5.8	0.0	20.9	1.4	0.0	20.7	0.0	1.0	20.8	0.0	1.0	20.3
Boiler room																		
Ambient Air				0.0	0.0	20.8	3.4	0.0	20.9	0.6	0.0	20.8	0.0	0.0	20.8	0.0	0.0	20.3
Floor drain				0.0	0.0	20.8	3.4	0.0	20.9	0.4	0.0	20.8	0.0	1.0	20.8	0.0	1.0	20.3
Hair Salon(Ambient Air)				14.0	0.0	21.0	4.8	0.0	20.9	9.0	0.0	20.8	0.0	0.0	20.9	0.0	0.0	20.4
North office(Ambient Air)				0.0	0.0	20.8	2.9	0.0	20.9	1.5	0.0	20.8	0.0	1.0	20.9	0.0	1.0	20.2
Activities room				0.0	0.0	20.8	0.0	0.0	20.9	0.0	0.0	20.8	0.0	0.0	20.9	0.0	0.0	20.2
Ambient Air				0.0	0.0	20.8	2.4	0.0	20.9	4.2	0.0	20.8	0.0	1.0	20.9	0.0	1.0	20.3
Floor drain				0.0	0.0	20.8	5.0	0.0	20.8	2.4	0.0	20.8	0.0	1.0	20.9	0.0	1.0	20.2
Physiotherapy(Ambient Air)				0.0	0.0	20.8	2.6	0.0	20.9	2.0	0.0	20.8	0.0	0.0	20.9	0.0	0.0	20.2
Lounge(Ambient Air)				0.5	0.0	20.8	1.8	0.0	20.9	1.5	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.2
South office(Ambient Air)				NM	NM	NM	3.2	0.0	20.9	1.8	0.0	20.8	0.0	1.0	20.9	0.1	1.0	20.1
South caged storage area (Ambient Air)				0.0	0.0	20.8	0.0	0.0	20.9	2.1	0.0	20.9	0.0	0.0	20.2	0.0	0.0	20.2
Activities office(Ambient Air)				0.0	0.0	20.8	1.2	0.0	20.9	4.2	0.0	20.8	0.0	1.0	20.9	0.0	1.0	20.3
Vending room(Ambient Air)				0.0	0.0	20.9	3.2	0.0	20.9	1.8	0.0	20.9	0.0	1.0	20.9	0.0	1.0	20.3
NW lunch room(Ambient Air)				0.0	0.0	21.0	3.2	0.0	20.9	2.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.2
North caged storage area(Ambient Air)				0.0	0.0	20.8	2.0	0.0	20.9	1.6	0.0	20.9	0.0	1.0	20.9	0.0	1.0	20.3
Duct room(Ambient Air)				1.0	0.0	20.8	3.2	0.0	20.9	2.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.2
Open Storage																		
Ambient Air				0.0	0.0	20.8	2.0	0.0	20.9	2.0	0.0	20.9	0.0	1.0	20.9	0.0	1.0	20.2
Floor drain																		
Sump				0.0 to 2.0	0.0	20.8	12.0	0.0	20.9	7.0	0.0	20.8	42.0	0.0	20.9	20.3	0.0	20.3
Ambient Air				0.0 to 1.0	0.0	20.8	3.4	0.0	20.9	1.8	0.0	20.8	0.0	0.0	20.9	0.0	0.0	20.2

1. CGI - Combustible Gas Indicator
2. FID - Flame Ionization Detector
3. During the February 28, 1994 inspection, access to 1615 Sunset Avenue could not be obtained
4. NM - Not Measured
5. CGI readings during the February 28, 1994 inspection could not be obtained due to malfunctioning equipment
6. Key to room was not available on-site and therefore the room was not accessible

Table 1  
Monthly Site Inspection Air Monitoring Results  
Yeoman Creek/Edwards Field Landfills R/FS

Date Monitoring Location	August 18, 1994			September 27, 1994			October 18, 1994			November 18, 1994			November 23, 1994		
	FID (ppm)	CGI %LEL	%Oxygen	FID (ppm)	CGI %LEL	%Oxygen	FID (ppm)	CGI %LEL	%Oxygen	FID (ppm)	CGI %LEL	%Oxygen	FID (ppm)	CGI %LEL	%Oxygen
2122 Yeoman Street (Evoy Property)															
Background	0.0	0.0	20.8	2.4	0.0	20.6	4.7-5.5	0	20.8	0.0	0	21.7	NM	NM	NM
Sump (SW corner)	4.0	0.0	20.8	2.2	0.0	20.6	51.3	1	20.8	4.0-5.0	0	21.8	NM	NM	NM
Floor Drain SW corner)	3.6	0.0	20.9	2.2	0.0	20.6	48.2	1	20.8	5.4	0	21.8	NM	NM	NM
Entrance to crawl space	4.8	0.0	20.8	2.2	0.0	20.6	97.6	0	20.8	7.5	0	21.5	NM	NM	NM
Floor/wall joints															
North wall	3.4	0.0	21.0	2.2	0.0	20.5	52	1	20.8	5.6	0	21.9	NM	NM	NM
South wall	3.4	0.0	21.0	2.2	0.0	20.5	52.1	1	20.8	5.6	0	21.9	NM	NM	NM
East wall	3.4	0.0	21.0	2.2	0.0	20.5	53.4	1	20.8	5.6	0	21.9	NM	NM	NM
West wall	3.4	0.0	21.0	2.2	0.0	20.5	49.2	0	20.7	20.0	0	21.8	NM	NM	NM
1615 Sunset Avenue (Terrace Nursing Home)															
Background	0.0	0.0	20.8	0.8	0.0	20.4	30	0	20.8	1.0	0	22.5	0.3	0	20.4
Laundry Room:															
Ambient Air	1.8	0.0	21.0	0.8	0.0	20.4	60.5	0	20.8	3.7	0	22.5	0.3	0	20.5
Crack in floor (E-W @ E)	2.0	1.0	20.8	0.8	0.0	20.3	58.2	0	20.8	6.3	0	22.5	0.3	0	20.5
Crack in floor (N-S @ S)	1.8	1.0	20.8	0.8	0.0	20.3	74.1	1	20.7	6.3	0	22.5	0.3	0	20.5
Floor drain (East)	28.0	1.0	20.9	0.8	0.0	20.3	57.4	0	20.7	3.4	0	22.5	0.3	0	20.5
Floor drain (West)	1.4	0.0	20.9	0.8	0.0	20.3	64.3	0	20.7	3.3	0	22.5	0.3	0	20.5
Linen Room															
Ambient Air	2.6	0.0	20.9	0.8	0.0	20.3	55.1	0	20.7	3.2	0	22.6	0.3	0	20.1
Cracks in concrete															
Mid room, N-S @ S	2.2	0.0	20.9	0.8	0.0	20.3	53.6	0	20.7	2.7	0	22.5	0.3	0	19.9
East end, N-S @ center	2.4	0.0	20.8	0.8	0.0	20.2	50.5	0	20.7	3.1	0	22.5	0.3	0	19.9
East wall, @ breathing zone	2.8	0.0	20.9	0.7	0.0	20.2	50.5	0	20.6	4.3	0	22.6	0.3	0	19.9
Medical records room(Ambient Air)	0.3	0.0	21.0	0.8	0.0	20.4	68	0	20.6	1.8	0	22.3	0.2	0	20.2
Lunch Room(Ambient Air)	0.3	0.0	21.0	0.8	0.0	20.3	62.7	0	20.6	2.2	0	22.5	0.2	0	20.1
Maintenance room(Ambient Air)	0.6	0.0	21.0	0.8	0.0	20.4	89.1	0	20.7	1.4	0	22.3	0.3	0	20.1
Boiler room:															
Ambient Air	0.0	1.0	21.0	0.7	0.0	20.5	52.1	0	20.6	1.3	0	22.4	0.2	0	20.6
Floor drain	0.0	0.0	21.0	0.8	0.0	20.5	45.2	0	20.6	1.2	0	22.4	0.2	0	20.6
Hair Salon(Ambient Air)	0.2	0.0	21.0	0.7	0.0	20.5	90.6	0	20.7	3.3	0	22.5	1.0	0	20.5
North office(Ambient Air)	0.3	0.0	21.0	0.7	0.0	20.4	62	0	20.6	1.8	0	22.6	0.3	0	20.1
Activities room															
Ambient Air	0.4	0.0	21.0	0.7	0.0	20.4	65.8	0	20.6	2.0	0	22.6	NM	NM	NM
Floor drain	0.8	0.0	21.0	0.7	0.0	20.4	97.3	0	20.6	2.0	0	22.6	NM	NM	NM
Physiotherapy(Ambient Air)	0.7	0.0	21.0	0.6	0.0	20.4	65.8	0	20.5	1.4	0	22.5	0.3	0	19.9
Lounge(Ambient Air)	0.6	0.0	20.9	0.6	0.0	20.4	61.2	0	20.6	1.8	0	22.5	0.3	0	20.0
South office(Ambient Air)	0.8	0.0	20.9	0.7	0.0	20.4	62.7	0	20.5	2.2	0	22.4	0.3	0	20.0
South caged storage area (Ambient Air)	0.7	0.0	20.9	0.5	0.0	20.3	103	0	20.7	2.0	0	22.5	0.2	0	19.9
Activities office(Ambient Air)	1.4	0.0	20.8	0.6	0.0	20.3	123	0	20.6	2.1	0	22.5	0.3	0	20.0
Vending room(Ambient Air)	1.0	0.0	20.9	0.3	0.0	20.2	85.4	0	20.5	2.0	0	22.5	0.3	0	20.0
NW lunch room(Ambient Air)	0.6	0.0	20.9	0.3	0.0	20.4	82.4	0	20.6	1.9	0	22.5	0.2	0	20.1
North caged storage area(Ambient Air)	0.6	0.0	20.9	0.2	0.0	20.4	95.1	0	20.7	1.5	0	22.5	0.2	0	20.0
Duct room(Ambient Air)	0.7	0.0	20.9	0.2	0.0	20.4	86.1	0	20.6	2.3	0	22.5	0.3	0	20.0
Open Storage															
Ambient Air	0.0	0.0	20.9	0.2	0.0	20.4	83.9	0	20.6	2.0	0	22.4	0.3	0	20.1
Floor drain	5.0	0.0	20.9	0.2	0.0	20.3	1592	4	20.5	7.0	0	22.4	1.0	0	20.0
Sump room															
Sump	70.3	0.0	20.9	0.5	0.0	20.4	1955	2	20.5	5.0	0	22.5	NM	NM	NM
Ambient Air	0.4	0.0	20.9	0.4	0.0	20.4	86.1	0	20.7	2.0	0	22.5	NM	NM	NM

Golder Associates

Table 2  
Basement Screening Results  
1401 Through 1451 West Golf Road Building  
Waukegan, Illinois

LOCATION	November 3, 1994				November 8, 1994			
	FID (ppm)	CGI			FID (ppm)	CGI		
		LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)		LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)
<b>1401 W Golf</b>								
Background (N. of Bldg)	2.4	0-2	NM	21.3	0	0	0	20.9
Breathing Zone of Basement	53	0	NM	21.3	260	0	0	20.9
Southwest Corner of Basement	54	0	NM	21.2	250	0	0	20.9
Southeast Corner of Basement	57	0	NM	21	300	0	0	20.9
Northwest Corner of Basement	55	0	NM	21.1	360	0	0	20.9
Northeast Corner of Basement	140	0	NM	21	>1000	0	0	20.9
Top of Sump	920	0	NM	21.1	>1000	2	0	20.9
Sink Drain	20	0	NM	20.8	260	0	0	20.9
Toilet Drain (Plugged)	68	0	NM	20.8	26	0	0	20.9
Shower Drain (Plugged)	110	0	NM	20.9	360	0	0	20.9
Sauna Drain (Rag Stuffed in Drain)	75	0	NM	20.8	320	0	0	20.9
Crack in floor (NE corner, AS-1)	>1000	18	NM	20.8	>1000	>100	0	20.7
Crack in floor (north of sump, AS-2)	>1000	11	NM	21	>1000	28	0	20.5
<b>1407 W Golf</b>								
Background (N. of Bldg)	2.4	0-2	NM	21.3	0	0	0	20.9
Breathing Zone of Basement	15	0	NM	20.8	56	0	0	20.9
Southwest Corner of Basement	11	0	NM	20.8	50	0	0	20.9
Southeast Corner of Basement	10	0	NM	20.8	74	0	0	20.9
Northwest Corner of Basement	9	0	NM	20.8	56	0	0	20.9
Northeast Corner of Basement	10	0	NM	20.8	58	0	0	20.9
Top of Sump	10	0	NM	20.8	78	0	0	20.9
Crack in Floor Near N. Wall (Center)	10	0	NM	20.7	62	0	0	20.9
Crack in Floor at S. Wall	10	0	NM	20.8	500	0	0	20.9
Floor Drain	80	0	NM	20.8	70	0	0	20.9
<b>1415 &amp; 1419 W Golf</b>								
Laundry Room								
Background (N. of Bldg)	2.4	0-2	NM	21.3	0	0	0	20.8
Breathing Zone of Basement	13	0	NM	20.5	75	0	0	20.8
Southwest Corner of Basement	13	0	NM	20.5	140	0	0	20.8
Southeast Corner of Basement	11	0	NM	20.5	84	0	0	20.8
Northwest Corner of Basement	13	0	NM	20.4	120	0	0	20.8
Northeast Corner of Basement	12	0	NM	20.5	150	0	0	20.8
Sump (No pump installed)	57	0	NM	20.5	>1000	3	0	20.7
Sign Making Room								
Breathing Zone of Basement	15	0	NM	20.4	48	0	0	20.8
Southwest Corner of Basement	14	0	NM	20.4	60	0	0	20.9
Southeast Corner of Basement	14	0	NM	20.4	52	0	0	20.9
Northwest Corner of Basement	14	0	NM	20.4	44	0	0	20.8
Northeast Corner of Basement	14	0	NM	20.3	47	0	0	20.9
Crack in Floor (Center)	15	0	NM	20.4	46	0	0	20.9
Floor Drain (Blocked)	280	0	NM	20.4	>1000	0	0	20.9
<b>1425 W Golf</b>								
Background (N. of Bldg)	2.4	0-2	NM	21.3	0	0	0	20.9
Breathing Zone of Basement	30	0	NM	20.5	220	0	0	20.9
Southwest Corner of Basement	35	0	NM	20.5	260	0	0	20.9
Southeast Corner of Basement	33	0	NM	20.6	200	0	0	20.9
Northwest Corner of Basement	31	0	NM	20.5	170	0	0	20.9
Northeast Corner of Basement	30	0	NM	20.5	170	0	0	20.9
Top of Sump	88	0	NM	20.5	300	0	0	20.9
Crack in Floor Near Southeast Corner	72	0	NM	20.5	200	0	0	20.9
Crack in Floor of Workroom (North)	57	0	NM	20.4	300	0	0	20.9
Floor Drain (blocked)	240	0	NM	20.4	>1000	4	0	20.9
<b>1431 W Golf</b>								
Background (S. of Bldg)	2.4	0-2	NM	21.3	0	0	0	20.9
Breathing Zone of Basement	18	0	NM	20.7	66	0	0	20.9
Southwest Corner of Basement	13	0	NM	20.7	500	0	0	20.9
Southeast Corner of Basement	16	0	NM	20.7	280	0	0	20.9
Northwest Corner of Basement	51	0	NM	20.7	56	0	0	20.9
Northeast Corner of Basement	28	0	NM	20.7	56	0	0	20.9
Top of Sump (SW corner)	27	0	NM	20.6	230	0	0	20.9
Shower Drain	51	0	NM	20.7	320	0	0	20.9
Sink Drain	52	0	NM	20.7	220	0	0	20.9
Toilet	49	0	NM	20.7	220	0	0	20.9
<b>1451 W Golf Road</b>								
Background (S. of Bldg)	2.4	0-2	NM	21.3	0	0	0	20.9
Breathing Zone of Basement	360	0	NM	20.4	>1000	0	0	20.9
Southwest Corner of Basement	390	0	NM	20.4	>1000	0	0	20.9
Southeast Corner of Basement	420	0	NM	20.4	>1000	0	0	20.9
Northwest Corner of Basement	410	0	NM	20.4	>1000	0	0	20.9
Northeast Corner of Basement	500	0	NM	20.4	>1000	0	0	20.9
Top of Sump (south wall)	580	0	NM	20.3	>1000	0	0	20.9
Crack in Floor (Center of Basement)	400	0	NM	20.3	>1000	8	0	20.9
Crack in Floor (West End)	410	0	NM	20.3	>1000	1	0	20.9
Floor Drain	430	0	NM	20.3	>1000	14	0	20.9

Table 2  
 Basement Screening Results  
 1401 Through 1451 West Golf Road Building  
 Waukegan, Illinois

LOCATION	November 18, 1994				November 22, 1994			
	FID (ppm)	CGI			FID (ppm)	CGI		
		LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)		LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)
<b>1401 W Golf</b>								
Background (N. of Bldg)	0.5	0	0	21.3	0.8	2	NM	21.4
Breathing Zone of Basement	44	0	0	21.3	2.6	2	NM	21.2
Southwest Corner of Basement	42	0	0	21.3	2.8	3	NM	21.3
Southeast Corner of Basement	18	0	0	21.3	2.8	2	NM	21.3
Northwest Corner of Basement	NM	NM	NM	NM	2.6	2	NM	21.3
Northeast Corner of Basement	35	0	0	21.4	3	2	NM	21.2
Top of Sump	35-80	0	0	21.3	3	2	NM	21.3
Sink Drain	37	0	0	21.3	3	2	NM	21.1
Toilet Drain (Plugged)	39	0	0	21.4	3.1	2	NM	21.1
Shower Drain (Plugged)	26	0	0	21.4	3.8	2	NM	21.1
Sauna Drain (Rag Stuffed in Drain)	42	0	0	21.4	3.3	2	NM	21.1
Crack in floor (NE corner, AS-1)	200-350	0	0	21.4	3.1	2	NM	21.2
Crack in floor (north of sump, AS-2)	>1000	0	0	21.4	3	2	NM	21.2
<b>1407 W Golf</b>								
Background (N. of Bldg)	0.5	0	0	21.4	0.8	2	NM	21.4
Breathing Zone of Basement	50	0	0	21.4	4.8	2	NM	21.2
Southwest Corner of Basement	47	0	0	21.4	4.8	2	NM	21.3
Southeast Corner of Basement	49	0	0	21.4	4	2	NM	21.3
Northwest Corner of Basement	35-45	0	0	21.4	5	2	NM	21.3
Northeast Corner of Basement	50	0	0	21.4	4.8	2	NM	21.3
Top of Sump	54	0	0	21.4	5.9	2	NM	21.2
Crack in Floor Near N. Wall (Center)	22	0	0	21.5	4.6	2	NM	21.2
Crack in Floor at S. Wall	>1000	0	0	21.4	12	2	NM	21
Floor Drain	150	0	0	21.4	9.5	2	NM	21.2
<b>1415 &amp; 1419 W Golf</b>								
<b>Laundry Room</b>								
Background (N. of Bldg)	0.2	0	0	20.9	0.8	2	NM	21.4
Breathing Zone of Basement	40-48	0	0	21	5.3	2	NM	21.4
Southwest Corner of Basement	36	0	0	21	4.8	2	NM	21.3
Southeast Corner of Basement	35 to >100	0	0	21	5.8	2	NM	21.3
Northwest Corner of Basement	36	0	0	21	5.2	2	NM	21.3
Northeast Corner of Basement	36	0	0	21	5.3	2	NM	21.4
Sump (No pump installed)	>1000	21	0	21	320	1	NM	21
<b>Sign Making Room</b>								
Breathing Zone of Basement	38	0	0	21	65	2	NM	21.5
Southwest Corner of Basement	42	0	0	21	65	2	NM	21.4
Southeast Corner of Basement	200-440	0	0	21.1	63	2	NM	21.4
Northwest Corner of Basement	40	0	0	21.1	68	2	NM	21.4
Northeast Corner of Basement	40-60	0	0	21.1	69	2	NM	21.4
Crack in Floor (Center)	55-66	0	0	21	220	2	NM	21.3
Floor Drain (Blocked)	300-540	0	0	21.2	7.5	2	NM	21.2
<b>1425 W Golf</b>								
Background (N. of Bldg)	0.6	0	0	21.1	0.8	2	NM	21.4
Breathing Zone of Basement	46	0	0	21.2	6.7	1	NM	21.5
Southwest Corner of Basement	60	0	0	21.1	6.9	2	NM	21.4
Southeast Corner of Basement	64	0	0	21.4	7.2	2	NM	21.4
Northwest Corner of Basement	32	0	0	21.2	7	2	NM	21.4
Northeast Corner of Basement	41	0	0	21.2	6.8	2	NM	21.4
Top of Sump	110	0	0	21.2	30	1	NM	21.2
Crack in Floor Near Southeast Corner	72-80	0	0	21.2	43	2	NM	21.2
Crack in Floor of Workroom (North)	100-300	0	0	21.3	25	2	NM	21.2
Floor Drain (Blocked)	>1000	>100	0	21.2	225	2	NM	21.1
<b>1431 W Golf</b>								
Background (S. of Bldg)	0.6	0	0	21.1	0.8	2	NM	21.4
Breathing Zone of Basement	12	0	0	21.2	4.7	2	NM	21.4
Southwest Corner of Basement	38	0	0	21.2	4.7	2	NM	21.4
Southeast Corner of Basement	50	0	0	21.2	5.6	2	NM	21.4
Northwest Corner of Basement	13	0	0	21.3	4.3	2	NM	21.3
Northeast Corner of Basement	8	0	0	21.3	6	2	NM	21.4
Top of Sump (SW corner)	36	0	0	21.2	6	2	NM	21.4
Shower Drain	22	0	0	21.3	14	2	NM	21.3
Sink Drain	26	0	0	21.2	14	2	NM	21.3
Toilet	26	0	0	21.3	14	2	NM	21.3
<b>1451 W Golf Road</b>								
Background (S. of Bldg)	0.6	0	0	20.9	0.8	2	NM	21.4
Breathing Zone of Basement	950-1000	0	0	21	530	2	NM	21.3
Southwest Corner of Basement	>1000	0	0	21	510	2	NM	21.2
Southeast Corner of Basement	900-1000	0	0	20.9	510	2	NM	21.2
Northwest Corner of Basement	>1000	0	0	20.9	740	2	NM	21.2
Northeast Corner of Basement	990	0	0	20.9	540	2	NM	21.2
Top of Sump (south wall)	>1000	0	0	21	800	3	NM	21.2
Crack in Floor (Center of Basement)	>1000	>100	0	20.9	540	2	NM	21.3
Crack in Floor (West End)	>1000	1	0	21	530	2	NM	21.2
Floor Drain	>1000	1	0	21	820	6	NM	21.1



Table 3  
 Crawlspace Screening Results  
 1301 Buck Avenue  
 Waukegan, Illinois

LOCATION		November 18, 1994			
		FID (ppm)	CGI		
			LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)
1301 Buck Avenue					
	Background	0	0	0	20.8
	Breathing Zone	0	0	0	20.8
	Southwest Corner	0	0	0	20.8
	Southeast Corner	0	0	0	20.8
	Northwest Corner	0	0	0	20.8
	Northeast Corner	0	0	0	20.8

**Golder Associates Inc.**

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**YEOMAN CREEK/EDWARDS FIELD LANDFILLS RI/FS  
MONTHLY PROGRESS REPORT  
FOR OCTOBER 1994**

**Submitted to:**

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

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**November 1994**

**933-8136.07**

## MONTHLY PROGRESS REPORT

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TO: USEPA/IEPA  
FROM: Golder Associates Inc.  
RE: YEOMAN CREEK/EDWARDS FIELD LANDFILLS RI/FS  
MONTHLY PROGRESS REPORT FOR NOVEMBER 1994

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This thirty-ninth 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 October 1, 1994 to October 31, 1994.

### RI/FS ACTIVITIES

#### Field Activities

The monthly site inspection was conducted on October 18, 1994. 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. No damage to the perimeter fence at the Yeoman Creek Landfill was observed. At the Edwards Field Landfill, minor damage to the perimeter fence was noted. The damage was limited to cut strands of barbed wire in the vicinity of MW-109. This damage will be repaired when the fence relocation work occurs at the Yeoman Creek Landfill.

During October 1994, the fence contractor prepared for the fence relocation work at the Yeoman Creek Landfill.

Pursuant to the second amendment to the Administrative Order by Consent, air monitoring in the basements of the Evoy property at 2122 Yeoman Street and the Terrace Nursing Home properties continued in October 1994. Monitoring results are provided in Table 1.

Weekly air monitoring in the basements of the 1401 through 1451 West Golf Road building continued in October 1994 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. The corrective actions performed in September 1994 were not successful in mitigating these levels. During October 1994, Golder Associates reviewed the Air-Exchange and Ventilation System (AEVS) design to determine what further actions may be appropriate to address the problem.

Operation and maintenance of the AEVS continued in October 1994.

Deliverables and Correspondence

On October 4, 1994, Golder Construction Services submitted a letter to USEPA confirming discussions with Terrace Nursing Home staff regarding the fence relocation work on their property.

On October 27, 1994, Golder Associates received comments from USEPA regarding the Feasibility Study submitted on September 1, 1994. Pursuant to the Consent Order, a revised Feasibility Study must be submitted to USEPA by December 12, 1994. USEPA also provided a draft Supplement to the RI Report.

WORK PROPOSED FOR THE NEXT REPORTING PERIOD (NOVEMBER)

RI/FS activities expected to begin or continue in November 1994 include:

- Completion of the Final Inspection of the AEVS.
- Operation and maintenance of the AEVS.
- Seek a revision to the second amendment to the AOC regarding air monitoring in the basement of Unit 1451 of the West Golf Road building.
- Monitor the crawl space of the battered womens' shelter located east of Yeoman Creek Landfill.
- Assessment of additional potential corrective actions to reduce organic vapor levels in Unit 1451 of the West Golf Road building.
- Submission of the quarterly inspection report for the AEVS.
- Preparation of the Construction Completion Report for the AEVS.
- Fence relocation on the north side of the Yeoman Creek Landfill.
- Preparation and submission of a generic plan for stockpiling fill material at the Yeoman Creek Landfill.
- Revision of the Feasibility Study based on USEPA comments.
- Review of the USEPA Supplement to the RI Report, and preparation of the Final RI Report, which will include the revisions made in the June and July 1994 updates, for submission to USEPA .

(36077809.wp1/srh)

Table 1  
Monthly Site Inspection Air Monitoring Results  
Yeoman Creek/Edwards Field Landfills RI/FS

Date Monitoring Location	February 28, 1994			March 17, 1994			April 15, 1994			May 19, 1994			June 23, 1994			July 22, 1994		
	FID (ppm)	%LEL	%Oxygen	FID (ppm)	%LEL	%Oxygen	FID (ppm)	%LEL	%Oxygen	FID (ppm)	%LEL	%Oxygen	FID (ppm)	%LEL	%Oxygen	FID (ppm)	%LEL	%Oxygen
2122 Yeoman Street (Evoy Property) Background Sump (SW corner) Floor Drain SW corner Entrance to crawl space Floor/wall joints North wall South wall East wall West wall	0.0	NM(5)	NM(5)	0.0 to 3.0	0.0	20.8	0.0	0.0	20.8	4.5	0.0	20.8	0.0	0.0	20.8	0.0	0.0	20.2
	0.0			1.0	0.0	20.8	22.0	0.0	20.8	4.8	0.0	20.8	0.0	0.0	20.8	3.2	0.0	20.2
	0.0			1.0	0.0	20.8	0.5	0.0	20.8	4.5	0.0	20.7	0.0	0.0	20.9	0.0	0.0	20.2
	0.0			1.5	0.0	20.8	0.5	0.0	20.8	6.4	0.0	20.7	1.0	0.0	20.9	0.0	0.0	20.3
	0.0			1.5 to 2.0	0.0	20.8	0.5	0.0	20.8	4.5	0.0	20.7	0.0	0.0	20.9	2.1	0.0	20.4
	0.0			1.0 to 2.0	0.0	20.8	0.5	0.0	20.8	4.7	0.0	20.6	0.0	0.0	20.9	1.4	0.0	20.5
	0.0			1.5 to 2.0	0.0	20.8	0.5	0.0	20.8	4.5	0.0	20.7	0.0	0.0	20.9	1.8	0.0	20.5
	0.0			1.0 to 2.0	0.0	20.8	0.5	0.0	20.8	4.5	0.0	20.7	0.0	0.0	20.9	1.8	0.0	20.5
	0.0			0.0 to 1.0	0.0	20.8	0.0	0.0	20.8	0.0	0.0	20.8	0.0	0.0	20.8	0.0	0.0	20.3
	0.0			12.0	0.0	21.0	2.8	0.0	20.9	3.5	0.0	20.7	0.0	0.0	21.0	2.2	0.0	20.4
1615 Sunset Avenue (Terrace Nursing Home) Background Laundry Room Ambient Air Crack in floor (E-W @ E) Crack in floor (N-S @ S) Floor drain (East) Floor drain (West) Linen Room Ambient Air Cracks in concrete Mid room, N-S @ S East end, N-S @ center East wall, @ breathing zone Medical records room(Ambient Air) Lunch Room(Ambient Air) Maintenance room(Ambient Air) Boiler room Ambient Air Floor drain Hair Salon(Ambient Air) North office(Ambient Air) Activities room Ambient Air Floor drain Physiotherapy(Ambient Air) Lounge(Ambient Air) South office(Ambient Air) South caged storage area (Ambient Air) Activities office(Ambient Air) Vending room(Ambient Air) NW lunch room(Ambient Air) North caged storage area(Ambient Air) Duct room(Ambient Air) Open Storage Ambient Air Floor drain Sump room Sump Ambient Air	0.0	NM(3)	NM(3)	0.0 to 2.0	0.0	20.8	0.0	0.0	20.8	0.0	0.0	20.8	0.0	0.0	20.8	0.0	0.0	20.2
	0.0			12.0	0.0	21.0	3.6	0.0	20.8	3.5	0.0	20.7	0.0	0.0	21.0	2.2	0.0	20.4
	0.0			90.0	0.0	21.0	3.6	0.0	20.8	3.5	0.0	20.7	2.0	0.0	21.0	1.0	0.0	20.3
	0.0			40.0	0.0	21.0	3.5	0.0	20.8	3.5	0.0	20.7	0.0	0.0	21.0	1.3	0.0	20.2
	0.0			10.0	0.0	20.8	2.8	0.0	20.8	5.6	0.0	20.7	0.0	0.0	21.0	1.6	0.0	20.3
	0.0			10.0	0.0	20.8	2.0	0.0	20.7	2.9	0.0	20.7	0.0	0.0	21.0	6.8	0.0	20.2
	0.0			10.0	0.0	20.8	4.0	0.0	20.8	1.8	0.0	20.7	0.0	0.0	21.0	0.6	0.0	20.2
	0.0			10.0	0.0	20.8	5.8	0.0	20.8	1.4	0.0	20.7	0.0	0.0	21.0	0.0	0.0	20.2
	0.0			10.0	0.0	20.8	5.2	0.0	20.8	1.8	0.0	20.7	0.0	0.0	21.0	0.0	0.0	20.2
	0.0			12.0	0.0	20.8	1.0	0.0	20.8	2.2	0.0	20.8	0.0	0.0	21.0	0.0	0.0	20.2
Maintenance room(Ambient Air) Boiler room Ambient Air Floor drain Hair Salon(Ambient Air) North office(Ambient Air) Activities room Ambient Air Floor drain Physiotherapy(Ambient Air) Lounge(Ambient Air) South office(Ambient Air) South caged storage area (Ambient Air) Activities office(Ambient Air) Vending room(Ambient Air) NW lunch room(Ambient Air) North caged storage area(Ambient Air) Duct room(Ambient Air) Open Storage Ambient Air Floor drain Sump room Sump Ambient Air	0.5	NM(6)	NM(6)	0.5	0.0	20.8	3.0	0.0	20.8	NM(6)	NM(6)	NM(6)	NM(6)	NM(6)	NM(6)	0.0	0.0	20.3
	0.0			0.0	0.0	20.8	5.8	0.0	20.9	1.4	0.0	20.7	0.0	1.0	20.8	0.0	1.0	20.3
	0.0			0.0	0.0	20.8	3.4	0.0	20.9	0.6	0.0	20.8	0.0	0.0	20.8	0.0	0.0	20.3
	0.0			0.0	0.0	20.8	3.4	0.0	20.9	0.4	0.0	20.8	0.0	1.0	20.8	0.0	1.0	20.3
	0.0			14.0	0.0	21.0	4.8	0.0	20.9	9.0	0.0	20.8	0.0	0.0	20.9	0.0	0.0	20.4
	0.0			0.0	0.0	20.8	2.9	0.0	20.9	1.5	0.0	20.8	0.0	1.0	20.9	0.0	1.0	20.2
	0.0			0.0	0.0	20.8	0.0	0.0	20.8	4.2	0.0	20.8	0.0	1.0	20.9	0.0	1.0	20.3
	0.0			0.0	0.0	20.8	5.0	0.0	20.8	2.4	0.0	20.8	0.0	1.0	20.9	0.0	1.0	20.2
	0.0			0.0	0.0	20.8	2.6	0.0	20.9	2.0	0.0	20.8	0.0	0.0	20.9	0.0	0.0	20.1
	0.5	NM	NM	0.5	0.0	20.8	1.8	0.0	20.9	1.5	0.0	20.8	0.0	0.0	20.9	0.0	0.0	20.2
South office(Ambient Air) South caged storage area (Ambient Air) Activities office(Ambient Air) Vending room(Ambient Air) NW lunch room(Ambient Air) North caged storage area(Ambient Air) Duct room(Ambient Air) Open Storage Ambient Air Floor drain Sump room Sump Ambient Air	0.0	NM	NM	0.0	0.0	20.8	3.2	0.0	20.9	2.1	0.0	20.8	0.0	1.0	20.9	0.1	1.0	20.1
	0.0			0.0	0.0	20.8	1.2	0.0	20.9	4.2	0.0	20.8	0.0	0.0	20.9	0.0	0.0	20.2
	0.0			0.0	0.0	20.9	3.2	0.0	20.9	1.8	0.0	20.9	0.0	1.0	20.9	0.0	1.0	20.3
	0.0			0.0	0.0	21.0	3.2	0.0	20.9	2.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.2
	0.0			0.0	0.0	20.8	2.0	0.0	20.9	1.6	0.0	20.9	0.0	1.0	20.9	0.0	1.0	20.3
	1.0			1.0	0.0	20.8	3.2	0.0	20.9	2.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.2
	0.0			0.0	0.0	20.8	2.0	0.0	20.9	2.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.2
	0.0			0.0	0.0	20.8	2.0	0.0	20.9	2.0	0.0	20.9	0.0	1.0	20.9	0.0	1.0	20.2
	0.0			0.0	0.0	20.8	2.0	0.0	20.9	2.0	0.0	20.9	0.0	1.0	20.9	0.0	1.0	20.2
	0.0			0.0 to 2.0	0.0	20.8	120.0	0.0	20.9	7.0	0.0	20.8	420.0	0.0	20.9	20.3	0.0	20.3
0.0 to 1.0			0.0 to 1.0	0.0	20.8	3.4	0.0	20.9	1.8	0.0	20.8	0.0	0.0	20.9	0.0	0.0	20.2	

1. CGI - Combustible Gas Indicator  
 2. FID - Flame Ionization Detector  
 3. During the February 28, 1994 inspection, access to 1615 Sunset Avenue could not be obtained  
 4. NM - Not Measured  
 5. CGI readings during the February 28, 1994 inspection could not be obtained due to malfunctioning equipment.  
 6. Key to room was not available on-site and therefore the room was not accessible.

Table 1  
Monthly Site Inspection Air Monitoring Results  
Yeoman Creek/Edwards Field Landfills R/F/S

Date Monitoring Location	August 18, 1994			September 27, 1994			October 18, 1994			
	FID (ppm)	%LEL	%Oxygen	FID (ppm)	%LEL	%Oxygen	FID (ppm)	%LEL	%Oxygen	
2122 Yeoman Street (Evoy Property)	Background	0.0	0.0	20.8	2.4	0.0	20.6	47.5	0	20.8
	Sump (SW corner)	4.0	0.0	20.8	2.2	0.0	20.6	51.3	1	20.8
	Floor Drain (SW corner)	3.6	0.0	20.9	2.2	0.0	20.6	48.2	1	20.8
	Entrance to crawl space	4.8	0.0	20.8	2.2	0.0	20.6	97.6	0	20.8
	Floor/wall joints:									
	North wall	3.4	0.0	21.0	2.2	0.0	20.5	52	1	20.8
	South wall	3.4	0.0	21.0	2.2	0.0	20.5	52.1	1	20.8
	East wall	3.4	0.0	21.0	2.2	0.0	20.5	53.4	1	20.8
	West wall	3.4	0.0	21.0	2.2	0.0	20.5	49.2	0	20.7
	1615 Sunset Avenue (Terrace Nursing Home)	Background	0.0	0.0	20.8	0.8	0.0	20.4	30	0
Laundry Room:										
Ambient Air		1.8	0.0	21.0	0.8	0.0	20.4	60.5	0	20.8
Crack in floor (E-W @ E)		2.0	1.0	20.8	0.8	0.0	20.3	56.2	0	20.8
Crack in floor (N-S @ S)		1.8	1.0	20.8	0.8	0.0	20.3	74.1	1	20.7
Floor drain (East)		28.0	1.0	20.9	0.8	0.0	20.3	57.4	0	20.7
Floor drain (West)		1.4	0.0	20.9	0.8	0.0	20.3	64.3	0	20.7
Linen Room:										
Ambient Air		2.6	0.0	20.9	0.8	0.0	20.3	55.1	0	20.7
Cracks in concrete:										
Mid room, N-S @ S		2.2	0.0	20.9	0.8	0.0	20.3	53.6	0	20.7
East end, N-S @ center		2.4	0.0	20.8	0.8	0.0	20.2	50.5	0	20.7
East wall, @ breathing zone		2.8	0.0	20.9	0.7	0.0	20.2	50.5	0	20.6
Medical records room(Ambient Air)		0.3	0.0	21.0	0.8	0.0	20.4	66	0	20.6
Lunch Room(Ambient Air)		0.3	0.0	21.0	0.8	0.0	20.3	62.7	0	20.6
Maintenance room(Ambient Air)		0.6	0.0	21.0	0.8	0.0	20.4	89.1	0	20.7
Boiler room:										
Ambient Air		0.0	1.0	21.0	0.7	0.0	20.5	52.1	0	20.6
Floor drain		0.0	0.0	21.0	0.8	0.0	20.5	45.2	0	20.6
Hair Salon(Ambient Air)		0.2	0.0	21.0	0.7	0.0	20.5	80.6	0	20.7
North office(Ambient Air)	0.3	0.0	21.0	0.7	0.0	20.4	62	0	20.6	
Activities room:										
Ambient Air	0.4	0.0	21.0	0.7	0.0	20.4	65.8	0	20.6	
Floor drain	0.8	0.0	21.0	0.7	0.0	20.4	97.3	0	20.6	
Physiotherapy(Ambient Air)	0.7	0.0	21.0	0.6	0.0	20.4	65.8	0	20.5	
Lounge(Ambient Air)	0.6	0.0	20.9	0.6	0.0	20.4	61.2	0	20.6	
South office(Ambient Air)	0.8	0.0	20.9	0.7	0.0	20.4	62.7	0	20.5	
South caged storage area (Ambient Air)	0.7	0.0	20.9	0.5	0.0	20.3	103	0	20.7	
Activities office(Ambient Air)	1.4	0.0	20.8	0.6	0.0	20.3	123	0	20.6	
Vending room(Ambient Air)	1.0	0.0	20.9	0.3	0.0	20.2	85.4	0	20.5	
NW lunch room(Ambient Air)	0.6	0.0	20.9	0.3	0.0	20.4	82.4	0	20.6	
North caged storage area(Ambient Air)	0.8	0.0	20.9	0.2	0.0	20.4	95.1	0	20.7	
Duct room(Ambient Air)	0.7	0.0	20.9	0.2	0.0	20.4	86.1	0	20.6	
Open Storage:										
Ambient Air	0.0	0.0	20.9	0.2	0.0	20.4	83.9	0	20.6	
Floor drain	5.0	0.0	20.9	0.2	0.0	20.3	1592	4	20.5	
Sump room:										
Sump	70.3	0.0	20.9	0.5	0.0	20.4	1955	2	20.5	
Ambient Air	0.4	0.0	20.9	0.4	0.0	20.4	86.1	0	20.7	

Table 2  
Basement Screening Results  
1401 Through 1451 West Golf Road Building  
Waukegan, Illinois

LOCATION	October 6, 1994				October 11, 1994			
	FID (ppm)	CGI			FID (ppm)	CGI		
		LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)		LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)
<b>1401 W Golf</b>								
Background (N. of Bldg)	0.4	0	0	20.8	1	0	NM	NM
Breathing Zone of Basement	82	0	0	20.8	34	0	NM	NM
Southwest Corner of Basement	82	0	0	20.8	35	0	NM	NM
Southeast Corner of Basement	120	1	0	20.7	300-500	0	NM	NM
Northwest Corner of Basement	75	0	0	20.8	35	0	NM	NM
Northeast Corner of Basement	320	1	0	20.7	200	0	NM	NM
Top of Sump	>1000.0	3	0	20.7	>1000	2	NM	NM
Sink Drain	75	0	0	20.8	38	0	NM	NM
Toilet Drain (Plugged)	75	0	0	20.8	38	0	NM	NM
Shower Drain (Plugged)	100	1	0	20.8	48	0	NM	NM
Sauna Drain (Rag Stuffed in Drain)	95	0	0	20.8	45	0	NM	NM
Crack in floor (NE corner, AS-1)	>1000.0	41	0	20.7	>1000	59%	NM	NM
Crack in floor (north of sump, AS-2)	>1000.0	11	0	20.6	>1000	11	NM	NM
<b>1407 W Golf</b>								
Background (N. of Bldg)	0.4	0	0	20.8	1	0	NM	NM
Breathing Zone of Basement	12	0	0	20.8	8	0	NM	NM
Southwest Corner of Basement	15	0	0	20.8	8	0	NM	NM
Southeast Corner of Basement	18	0	0	20.8	6	0	NM	NM
Northwest Corner of Basement	18	0	0	20.8	9	0	NM	NM
Northeast Corner of Basement	13	0	0	20.8	5	0	NM	NM
Top of Sump	18	0	0	20.8	18	0	NM	NM
Crack in Floor Near N. Wall (Center)	15	0	0	20.8	6	0	NM	NM
Crack in Floor at S. Wall	18	0	0	20.8	8	0	NM	NM
Floor Drain	40-50	0	0	20.8	11	0	NM	NM
<b>1415 &amp; 1419 W Golf</b>								
<b>Laundry Room</b>								
Background (N. of Bldg)	1	0	0	20.8	2	0	NM	NM
Breathing Zone of Basement	10	0	0	20.7	5	0	NM	NM
Southwest Corner of Basement	12	0	0	20.8	5	0	NM	NM
Southeast Corner of Basement	15	0	0	20.7	9	0	NM	NM
Northwest Corner of Basement	12	0	0	20.8	6	0	NM	NM
Northeast Corner of Basement	12	0	0	20.8	8	0	NM	NM
Sump (No pump installed)	>1000	15	0	20.6	225	0	NM	NM
<b>Sign Making Room</b>								
Breathing Zone of Basement	25	0	0	20.8	10	0	NM	NM
Southwest Corner of Basement	25	0	0	20.8	12	0	NM	NM
Southeast Corner of Basement	25	0	0	20.8	8	0	NM	NM
Northwest Corner of Basement	25	0	0	20.8	8	0	NM	NM
Northeast Corner of Basement	30	0	0	20.8	8	0	NM	NM
Crack in Floor (Center)	25	0	0	20.8	8	0	NM	NM
Floor Drain (Blocked)	200	0	0	20.8	290	0	NM	NM
<b>1425 W Golf</b>								
Background (N. of Bldg)	1.2	0	0	20.8	0	0	NM	NM
Breathing Zone of Basement	53	0	0	20.7	11	0	NM	NM
Southwest Corner of Basement	85	0	0	20.8	13	0	NM	NM
Southeast Corner of Basement	48	0	0	20.8	21	0	NM	NM
Northwest Corner of Basement	53	0	0	20.8	12	0	NM	NM
Northeast Corner of Basement	53	0	0	20.8	10	0	NM	NM
Top of Sump	68	0	0	20.8	21	0	NM	NM
Crack in Floor Near Southeast Corner	85	0	0	20.8	52	0	NM	NM
Crack in Floor of Workroom (North)	70	0	0	20.8	62	0	NM	NM
Floor Drain (blocked)	>1000	>100	0	<19.3	130	0	NM	NM
<b>1431 W Golf</b>								
Background (S. of Bldg)					0	0	NM	NM
Breathing Zone of Basement	45	0	0	20.8	14	0	NM	NM
Southwest Corner of Basement	50	0	0	20.8	12	0	NM	NM
Southeast Corner of Basement	46	0	0	20.8	12	0	NM	NM
Northwest Corner of Basement	48	0	0	20.8	8	0	NM	NM
Northeast Corner of Basement	23	0	0	20.8	8	0	NM	NM
Top of Sump (SW corner)	50	0	0	20.8	12	0	NM	NM
Shower Drain	32	0	0	20.7	11	0	NM	NM
Sink Drain	100	0	0	20.7	30	0	NM	NM
Toilet	100	0	0	20.7	35	0	NM	NM
<b>1451 W Golf Road</b>								
Background (S. of Bldg)	1	0	0	20.8	1-2	0	NM	NM
Breathing Zone of Basement	320	3	0	20.7	320	0	NM	NM
Southwest Corner of Basement	380	2	0	20.7	340	0	NM	NM
Southeast Corner of Basement	300	3	0	20.7	325	0	NM	NM
Northwest Corner of Basement	400	2	0	20.7	325	0	NM	NM
Northeast Corner of Basement	300	2	0	20.7	450	1	NM	NM
Top of Sump (south wall)	360	2	0	20.7	500 to >1000	1	NM	NM
Crack in Floor (Center of Basement)	350	3	0	20.7	420	0	NM	NM
Crack in Floor (West End)	>1000	35	0	20.4	500	1	NM	NM
Floor Drain	250	2	0	20.6	320	0	NM	NM

Notes:  
NM= Not Measured

Table 2  
Basement Screening Results  
1401 Through 1451 West Golf Road Building  
Waukegan, Illinois

LOCATION	October 20, 1994				October 24, 1994			
	FID (ppm)	CGI			FID (ppm)	CGI		
		LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)		LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)
<b>1401 W Golf</b>								
Background (N. of Bldg)	0	0	0	20.8	0.8	0	0	21
Breathing Zone of Basement	12	1	0	20.8	34	0	0	21
Southwest Corner of Basement	10	1	0	20.8	31	0	0	21
Southeast Corner of Basement	15	1	0	20.8	60	0	0	20.9
Northwest Corner of Basement	22	1	0	20.8	31	0	0	21
Northeast Corner of Basement	42	0	0	20.8	80	0	0	20.9
Top of Sump	190	2	0	20.8	>1000	4	0	20.7
Sink Drain	10	1	0	20.8	48	0	0	20.9
Toilet Drain (Plugged)	10	1	0	20.8	46	0	0	21
Shower Drain (Plugged)	10	1	0	20.8	50	0	0	20.9
Sauna Drain (Rag Stuffed in Drain)	11	0	0	20.8	42	0	0	20.9
Crack in floor (NE corner, AS-1)	>1000	18	0	20.5	>1000	10	0	20.9
Crack in floor (north of sump, AS-2)	>1000	3	0	20.8	>1000	3	0	20.8
<b>1407 W Golf</b>								
Background (N. of Bldg)	0	0	0	20.7	0.8	0	0	21
Breathing Zone of Basement	12	1	0	20.7	3.7	0	0	20.7
Southwest Corner of Basement	13	0	0	20.8	4.2	0	0	20.7
Southeast Corner of Basement	12	1	0	20.8	4.2	0	0	20.7
Northwest Corner of Basement	12	1	0	20.8	3.7	0	0	20.7
Northeast Corner of Basement	12	0	0	20.8	3.8	0	0	20.7
Top of Sump	21	1	0	20.8	8.5	0	0	20.7
Crack in Floor Near N. Wall (Center)	12	1	0	20.8	3.7	0	0	20.6
Crack in Floor at S. Wall	14	1	0	20.8	7.8	0	0	20.6
Floor Drain	15	1	0	20.8	38	0	0	20.6
<b>1415 &amp; 1419 W Golf</b>								
<b>Laundry Room</b>								
Background (N. of Bldg)	0	0	0	20.8	0.8	0	0	21
Breathing Zone of Basement	7.5	1	0	20.7	4.1	0	0	21.6
Southwest Corner of Basement	6	1	0	20.7	4.1	0	0	21.5
Southeast Corner of Basement	8	1	0	20.7	4.8	0	0	21.5
Northwest Corner of Basement	12	1	0	20.7	4.1	0	0	21.5
Northeast Corner of Basement	8	1	0	20.7	4.4	0	0	21.6
Sump (No pump installed)	10	1	0	20.7	9	0	0	21.6
<b>Sign Making Room</b>								
Breathing Zone of Basement	20	1	0	20.7	5.4	0	0	21.6
Southwest Corner of Basement	30	1	0	20.7	5.5	0	0	21.6
Southeast Corner of Basement	20	1	0	20.7	5.1	0	0	21.5
Northwest Corner of Basement	23	1	0	20.7	5.1	0	0	21.5
Northeast Corner of Basement	22	1	0	20.7	5.1	0	0	21.5
Crack in Floor (Center)	25	1	0	20.7	6	0	0	21.4
Floor Drain (Blocked)	70	1	0	20.7	210	NM	NM	NM
<b>1425 W Golf</b>								
Background (N. of Bldg)	0	0	0	20.8	0.8	0	0	21
Breathing Zone of Basement	22	1	0	20.7	17	0	0	21.5
Southwest Corner of Basement	16	0	0	20.8	20	0	0	21.5
Southeast Corner of Basement	15	0	0	20.8	20	0	0	21.5
Northwest Corner of Basement	15	0	0	20.8	18	0	0	21.4
Northeast Corner of Basement	15	0	0	20.8	15	0	0	21.4
Top of Sump	18	1	0	20.8	36	0	0	21.5
Crack in Floor Near Southeast Corner	30	1	0	20.8	110	0	0	21.4
Crack in Floor of Workroom (North)	22	1	0	20.8	86	0	0	21.4
Floor Drain (blocked)	250	2	0	20.8	120	0	0	21.4
<b>1431 W Golf</b>								
Background (S. of Bldg)	0	0	0	20.8	0.8	0	0	21
Breathing Zone of Basement	6	0	0	20.8	8	0	0	21.5
Southwest Corner of Basement	12	1	0	20.7	7.4	0	0	21.4
Southeast Corner of Basement	11	1	0	20.7	8.8	0	0	21.4
Northwest Corner of Basement	5	0	0	20.8	6.4	0	0	21.4
Northeast Corner of Basement	4	0	0	20.8	5.2	0	0	21.5
Top of Sump (SW corner)	12	1	0	20.7	31	0	0	21.5
Shower Drain	6	1	0	20.7	63	0	0	21.5
Sink Drain	10	0	0	20.8	58	0	0	21.5
Toilet	11	0	0	20.8	17	0	0	21.5
<b>1451 W Golf Road</b>								
Background (S. of Bldg)	0	0	0	20.8	0.8	1	0	21
Breathing Zone of Basement	580	3	0	20.7	215	1	0	21.4
Southwest Corner of Basement	450	2	0	20.7	200	1	0	21.4
Southeast Corner of Basement	560	3	0	20.5	240	1	0	21.4
Northwest Corner of Basement	650	3	0	20.7	240	1	0	21.4
Northeast Corner of Basement	520	3	0	20.5	280	1	0	21.4
Top of Sump (south wall)	580	3	0	20.7	290	1	0	21.5
Crack in Floor (Center of Basement)	>1000	>100	0	20.6	210	1	0	21.4
Crack in Floor (West End)	750	4	0	20.7	210	1	0	21.4
Floor Drain	480	3	0	20.6	700	1	0	21.3

Notes:  
NM= Not Measured



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**YEOMAN CREEK/EDWARDS FIELD LANDFILLS RI/FS  
MONTHLY PROGRESS REPORT  
FOR SEPTEMBER 1994**

Submitted to:

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

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October 1994

933-8136.07

## MONTHLY PROGRESS REPORT

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TO: USEPA/IEPA  
FROM: Golder Associates Inc.  
RE: YEOMAN CREEK/EDWARDS FIELD LANDFILLS RI/FS  
MONTHLY PROGRESS REPORT FOR SEPTEMBER 1994

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This thirty-eighth 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 September 1, 1994 to September 30, 1994.

### RI/FS ACTIVITIES

#### Field Activities

The monthly site inspection was conducted on September 27, 1994. 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. No damage to the perimeter fence at the Yeoman Creek Landfill was observed.

During September 1994, Golder Associates awarded the relocation of the perimeter fence work to Masterbilt Fence and Supplies Inc. The alignment of the fence was also surveyed.

Pursuant to the second amendment to the Administrative Order on Consent, monitoring of the Evoy property at 2122 Yeoman Street and the Terrace Nursing Home property continued in September 1994. Monitoring results are provided in Table 1.

Weekly air monitoring in the basements of the 1401 through 1451 West Golf Road building continued in September 1994 at the request of USEPA. Monitoring results are provided in Table 2.

Air levels of organic vapors detected in Unit 1451 of the West Golf Road building continued to exceed the 100 ppm action level. Additional work was performed to mitigate this situation. On September 22, 1994, the water level in the sump was raised to prevent gas flow through the sump and floor drain. Based on the September 27, 1994 basement monitoring results, this work appears to be effective in blocking that entry route for gas. However, levels continued to exceed the 100 ppm action level and, therefore, work continued in the basement. On September 29, 1994, silicone sealer was used to seal cracks in the basement where organic vapors were detected. The effectiveness of this corrective action work will be determined during the next weekly monitoring event.

Operation and maintenance of the Air-Exchange and Ventilation System (AEVS) continued in September 1994.

Deliverables and Correspondence

On September 1, 1994, Golder Associates submitted the Feasibility Study to USEPA/IEPA.

On September 16, 1994, Golder Associates submitted a letter to USEPA regarding relocation of the site security fence at the north end of Yeoman Creek Landfill.

On September 30, 1994, Golder Associates received a letter from USEPA approving the proposed fence relocation and revised installation procedure.

WORK PROPOSED FOR THE NEXT REPORTING PERIOD (OCTOBER)

RI/FS activities expected to begin or continue in October 1994 include:

- Completion of the Final Inspection of the AEVS.
- Operation and maintenance of the AEVS, including monitoring in Unit 1451 to assess the effectiveness of the corrective action work.
- Preparation of the quarterly inspection report for the AEVS.
- Preparation of the Construction Completion Report for the AEVS.
- Fence relocation on the north side of the Yeoman Creek Landfill.
- Preparation and submission of a generic plan for stockpiling fill material at the Yeoman Creek Landfill.

(36071139.wp1\lkc)



Table 1  
Monthly Site Inspection Air Monitoring Results  
Yeoman Creek/Edwards Field Landfills RI/FS

Date Monitoring Location	August 18, 1994			September 27, 1994		
	FID (ppm)	%LEL	%Oxygen	FID (ppm)	%LEL	%Oxygen
2122 Yeoman Street (Evoy Property)						
Background	0.0	0.0	20.8	2.4	0.0	20.6
Sump (SW corner)	4.0	0.0	20.8	2.2	0.0	20.6
Floor Drain SW corner	3.6	0.0	20.9	2.2	0.0	20.6
Entrance to crawl space	4.8	0.0	20.8	2.2	0.0	20.6
Floor/wall joints						
North wall	3.4	0.0	21.0	2.2	0.0	20.5
South wall	3.4	0.0	21.0	2.2	0.0	20.5
East wall	3.4	0.0	21.0	2.2	0.0	20.5
West wall	3.4	0.0	21.0	2.2	0.0	20.5
1615 Sunset Avenue (Terrace Nursing Home)						
Background	0.0	0.0	20.8	0.8	0.0	20.4
Laundry Room:						
Ambient Air	1.8	0.0	21.0	0.8	0.0	20.4
Crack in floor (E-W @ E)	2.0	1.0	20.8	0.8	0.0	20.3
Crack in floor (N-S @ S)	1.8	1.0	20.8	0.8	0.0	20.3
Floor drain (East)	28.0	1.0	20.9	0.8	0.0	20.3
Floor drain (West)	1.4	0.0	20.9	0.8	0.0	20.3
Linen Room						
Ambient Air	2.6	0.0	20.9	0.8	0.0	20.3
Cracks in concrete						
Mid room, N-S @ S	2.2	0.0	20.9	0.8	0.0	20.3
East end, N-S @ center	2.4	0.0	20.8	0.8	0.0	20.2
East wall, @ breathing zone	2.8	0.0	20.9	0.7	0.0	20.2
Medical records room(Ambient Air)	0.3	0.0	21.0	0.8	0.0	20.4
Lunch Room(Ambient Air)	0.3	0.0	21.0	0.8	0.0	20.3
Maintenance room(Ambient Air)	0.6	0.0	21.0	0.8	0.0	20.4
Boiler room						
Ambient Air	0.0	1.0	21.0	0.7	0.0	20.5
Floor drain	0.0	0.0	21.0	0.8	0.0	20.5
Hair Salon(Ambient Air)	0.2	0.0	21.0	0.7	0.0	20.5
North office(Ambient Air)	0.3	0.0	21.0	0.7	0.0	20.4
Activities room						
Ambient Air	0.4	0.0	21.0	0.7	0.0	20.4
Floor drain	0.8	0.0	21.0	0.7	0.0	20.4
Physiotherapy(Ambient Air)	0.7	0.0	21.0	0.6	0.0	20.4
Lounge(Ambient Air)	0.6	0.0	20.9	0.6	0.0	20.4
South office(Ambient Air)	0.8	0.0	20.9	0.7	0.0	20.4
South caged storage area (Ambient Air)	0.7	0.0	20.9	0.5	0.0	20.3
Activities office(Ambient Air)	1.4	0.0	20.8	0.6	0.0	20.3
Vending room(Ambient Air)	1.0	0.0	20.9	0.3	0.0	20.2
NW lunch room(Ambient Air)	0.6	0.0	20.9	0.3	0.0	20.4
North caged storage area(Ambient Air)	0.6	0.0	20.9	0.2	0.0	20.4
Duct room(Ambient Air)	0.7	0.0	20.9	0.2	0.0	20.4
Open Storage						
Ambient Air	0.0	0.0	20.9	0.2	0.0	20.4
Floor drain	5.0	0.0	20.9	0.2	0.0	20.3
Sump room:						
Sump	70.3	0.0	20.9	0.5	0.0	20.4
Ambient Air	0.4	0.0	20.9	0.4	0.0	20.4

Table 2  
Basement Screening Results  
1401 Through 1451 West Golf Road Building  
Waukegan, Illinois

LOCATION	September 1, 1994				September 8, 1994			
	FTD (ppm unless noted otherwise)	CGI			FTD (ppm unless noted otherwise)	CGI		
		LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)		LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)
<b>1401 W Golf</b>								
Background (N of Bldg)	0	0	0	20.8	3.6	0	1	19.9
Breathing Zone of Basement	8	0	0	20.8	34	0	0	20.4
Southwest Corner of Basement	10	0	0	20.8	35	0	0	20.4
Southeast Corner of Basement	11	0	0	20.8	67	0	0	20.5
Northwest Corner of Basement	12	0	0	20.8	34	0	0	20.4
Northeast Corner of Basement	12	0	0	20.8	120	0	0	20.5
Top of Sump	200	0	0	20.8	500	0	0	20.6
Sink Drain	19	0	0	20.8	35	0	0	20.5
Toilet Drain (Plugged)	10	0	0	20.8	37	0	0	20.5
Shower Drain (Plugged)	12	0	0	20.8	38	0	0	20.5
Sauna Drain (Rag Stuffed in Drain)	12	0	0	20.8	36	0	0	20.5
Crack in floor (NE corner, AS-1)	250	1	0	20.8	>1000	25	0	20.4
Crack in floor (north of sump, AS-2)	>1000	6	0	20.8	>1000	0	0	20.5
<b>1407 W Golf</b>								
Background (N of Bldg)	0	0	0	20.8	3.6	0	1	19.9
Breathing Zone of Basement	5	0	0	20.8	47	0	0	20.6
Southwest Corner of Basement	5.8	0	0	20.8	45	0	0	20.6
Southeast Corner of Basement	9.2	0	0	20.8	46	0	0	20.6
Northwest Corner of Basement	5	0	0	20.8	46	0	0	20.6
Northeast Corner of Basement	5	0	0	20.8	46	0	0	20.6
Top of Sump	7.5	0	0	20.8	60	0	0	20.6
Crack in Floor Near N Wall (Center)	5	0	0	20.8	42	0	0	20.6
Crack in Floor at S Wall	7	0	0	20.8	80	0	0	20.6
Floor Drain	NM	NM	NM	NM	47	0	0	20.6
<b>1415 &amp; 1419 W Golf</b>								
Laundry Room								
Background (N of Bldg)	0	0	0	20.8	3.6	0	1	19.9
Breathing Zone of Basement	9	0	0	20.7	31	NM	0	20.6
Southwest Corner of Basement	9	0	0	20.7	32	NM	0	20.6
Southeast Corner of Basement	9	0	0	20.7	38	NM	0	20.6
Northwest Corner of Basement	9	0	0	20.7	30	NM	0	20.6
Northeast Corner of Basement	9	0	0	20.7	30	NM	0	20.6
Sump (No pump installed)	2	0	0	20.7	>1000	NM	0	20.2
Sign Making Room								
Breathing Zone of Basement	7	0	0	20.8	45	NM	0	20.7
Southwest Corner of Basement	9	0	0	20.8	42	NM	0	20.6
Southeast Corner of Basement	5	0	0	20.8	42	NM	0	20.6
Northwest Corner of Basement	6	0	0	20.8	42	NM	0	20.6
Northeast Corner of Basement	4	0	0	20.8	240	NM	0	20.6
Crack in Floor (Center)	6	0	0	20.8	45	NM	0	20.6
Floor Drain (Blocked)	38	0	0	20.8	180	NM	0	20.6
<b>1425 W Golf</b>								
Background (N of Bldg)	0	0	0	20.8	3.6	0	1	19.9
Breathing Zone of Basement	14	0	0	20.7	56	0	0	20.6
Southwest Corner of Basement	18	0	0	20.7	58	0	0	20.6
Southeast Corner of Basement	20	0	0	20.7	59	0	0	20.6
Northwest Corner of Basement	12	0	0	20.7	56	0	0	20.6
Northeast Corner of Basement	12	0	0	20.7	54	0	0	20.6
Top of Sump	95	1	0	20.7	85	0	0	20.6
Crack in Floor Near Southeast Corner	30	1	0	20.7	580	>100	0	20.4
Crack in Floor of Workroom (North)	32	1	0	20.7	>1000	>100	0	20.5
Floor Drain (blocked)	>1000	>100	0	<19.5	>1000	>100	0	<12
<b>1431 W Golf</b>								
Background (S of Bldg)	0	0	0	20.8	3.6	0	1	19.9
Breathing Zone of Basement	7.8	0	0	20.7	100	NM	0	20.7
Southwest Corner of Basement	12	0	0	20.7	100	NM	0	20.7
Southeast Corner of Basement	18	0	0	20.7	150	NM	0	20.7
Northwest Corner of Basement	6.2	0	0	20.7	150	NM	0	20.7
Northeast Corner of Basement	6.2	0	0	20.7	490	NM	0	20.6
Top of Sump (SW corner)	12	0	0	20.7	420	NM	0	20.6
Shower Drain	10	0	0	20.7	180	NM	0	20.7
Sink Drain	10	0	0	20.7	180	NM	0	20.7
Toilet	10	0	0	20.7	180	NM	0	20.7
<b>1451 W Golf Road</b>								
Background (S of Bldg)	0	0	0	20.8	3.6	0	1	19.9
Breathing Zone of Basement	380	1	0	20.8	570	NM	1	20.5
Southwest Corner of Basement	300	2	0	20.7	500	NM	0	20.6
Southeast Corner of Basement	340	2	0	20.6	560	NM	0	20.5
Northwest Corner of Basement	450	2	0	20.7	630	NM	0	20.4
Northeast Corner of Basement	340	2	0	20.6	540	NM	0	20.5
Top of Sump (south wall)	>1000	6	0	20.5	>1000	NM	0	20.2
Crack in Floor (Center of Basements)	>1000	70	0	20.7	930	NM	0	20.4
Crack in Floor (West End)	>1000	11	0	20.5	580	NM	0	20.4
Floor Drain	>1000	70	0	20.5	>1000	NM	1	20.7

Notes:  
NM= Not Measured

Table 2  
Basement Screening Results  
1401 Through 1451 West Golf Road Building  
Waukegan, Illinois

LOCATION	September 15, 1994				September 19, 1994			
	FID (ppm unless noted otherwise)	CGI			FID (ppm unless noted otherwise)	CGI		
		LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)		LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)
<b>1401 W Golf</b>								
Background (N. of Bldg)	0.8	0	0	20.6	2.5	0	0	20.8
Breathing Zone of Basement	26	0	0	20.5	9.2	2	5	20.8
Southwest Corner of Basement	25	2	0	20.5	8.8	2	5	20.9
Southeast Corner of Basement	36	2	0	20.5	12	0	0	20.8
Northwest Corner of Basement	25	2	0	20.5	8.9	0	0	20.9
Northeast Corner of Basement	120	0	0	20.5	20	0	0	20.8
Top of Sump	275	0	0	20.5	95	0	0	20.8
Sink Drain	40	0	0	20.6	11	0	0	20.8
Toilet Drain (Plugged)	42	0	0	20.6	11	0	0	20.8
Shower Drain (Plugged)	30	0	0	20.3	11	0	0	20.8
Sauna Drain (Rag Stuffed in Drain)	28	0	0	20.5	11	0	0	20.8
Crack in floor (NE corner, AS-1)	>1000	14	0	20.1	>1000	16	0	20.8
Crack in floor (north of sump, AS-2)	>1000	1	0	20.5	>1000	2	0	20.8
<b>1407 W Golf</b>								
Background (N. of Bldg)	0.8	0	0	20.6	2.5	0	0	20.8
Breathing Zone of Basement	15	0	0	20.5	5	0	0	20.8
Southwest Corner of Basement	16	0	0	20.5	6	0	0	20.8
Southeast Corner of Basement	15	0	0	20.5	6	0	0	20.8
Northwest Corner of Basement	21	0	0	20.5	5	0	0	20.8
Northeast Corner of Basement	13	0	0	20.5	6	0	0	20.8
Top of Sump	21	0	0	20.5	8	0	0	20.8
Crack in Floor Near N. Wall (Center)	14	0	0	20.5	6	0	0	20.8
Crack in Floor at S. Wall	150	0	0	20.5	10	0	0	20.8
Floor Drain	400	0	0	20.4	18	0	0	20.8
<b>1415 &amp; 1419 W Golf</b>								
<b>Laundry Room</b>								
Background (N. of Bldg)	0.8	NM	NM	NM	2.5	0	0	20.8
Breathing Zone of Basement	30	NM	NM	NM	16	0	0	20.7
Southwest Corner of Basement	24	NM	NM	NM	13	0	0	20.7
Southeast Corner of Basement	29	NM	NM	NM	15	0	0	20.7
Northwest Corner of Basement	25	NM	NM	NM	13	0	0	20.7
Northeast Corner of Basement	25	NM	NM	NM	13	0	0	20.7
Sump (No pump installed)	>1000	NM	NM	NM	>1000	NM	NM	NM
<b>Sign Making Room</b>								
Breathing Zone of Basement	40	NM	NM	NM	14	0	0	20.7
Southwest Corner of Basement	76	NM	NM	NM	16	0	0	20.7
Southeast Corner of Basement	44	NM	NM	NM	20	0	0	20.7
Northwest Corner of Basement	36	NM	NM	NM	14	0	0	20.7
Northeast Corner of Basement	36	NM	NM	NM	15	0	0	20.7
Crack in Floor (Center)	40	NM	NM	NM	14	0	0	20.7
Floor Drain (Blocked)	700	NM	NM	NM	550	NM	NM	NM
<b>1425 W Golf</b>								
Background (N. of Bldg)	0.8	NM	NM	NM	2.5	0	0	20.8
Breathing Zone of Basement	70	NM	NM	NM	26	0	0	20.8
Southwest Corner of Basement	85	NM	NM	NM	34	0	0	20.8
Southeast Corner of Basement	60	NM	NM	NM	38	0	0	20.9
Northwest Corner of Basement	45	NM	NM	NM	30	0	0	20.9
Northeast Corner of Basement	46	NM	NM	NM	26	0	0	20.8
Top of Sump	70	NM	NM	NM	40	0	0	20.8
Crack in Floor Near Southeast Corner	150	NM	NM	NM	60	0	0	20.8
Crack in Floor of Workroom (North)	>1000	NM	NM	NM	140	0	0	20.8
Floor Drain (blocked)	>1000	NM	NM	NM	>1000	NM	NM	NM
<b>1431 W Golf</b>								
Background (S. of Bldg)	0.8	NM	NM	NM	2.5	0	0	20.8
Breathing Zone of Basement	12	NM	NM	NM	7	0	0	20.8
Southwest Corner of Basement	11	NM	NM	NM	8	0	0	20.8
Southeast Corner of Basement	23	NM	NM	NM	8	0	0	20.8
Northwest Corner of Basement	16	NM	NM	NM	12	0	0	20.8
Northeast Corner of Basement	25	NM	NM	NM	20	0	0	20.8
Top of Sump (SW corner)	30	NM	NM	NM	18	0	0	20.7
Shower Drain	17	NM	NM	NM	17	0	0	20.8
Sink Drain	17	NM	NM	NM	13	0	0	20.8
Toilet	16	NM	NM	NM	16	0	0	20.8
<b>1451 W Golf Road</b>								
Background (S. of Bldg)	0.8	NM	NM	NM	2.5	0	0	20.8
Breathing Zone of Basement	560	NM	NM	NM	500	2	0	20.7
Southwest Corner of Basement	560	NM	NM	NM	510	2	0	20.7
Southeast Corner of Basement	600	NM	NM	NM	740	1	0	20.7
Northwest Corner of Basement	590	NM	NM	NM	480	1	0	20.7
Northeast Corner of Basement	700	NM	NM	NM	600	1	0	20.7
Top of Sump (south wall)	>1000	NM	NM	NM	>1000	4	0	20.7
Crack in Floor (Center of Basement)	>1000	NM	NM	NM	>1000	2	0	20.7
Crack in Floor (West End)	700	NM	NM	NM	600	2	0	20.7
Floor Drain	>1000	NM	NM	NM	>1000	25	0	20.4

Notes:  
NM= Not Measured

Table 2  
Basement Screening Results  
1401 Through 1451 West Golf Road Bldgs  
Waukegan, Illinois

LOCATION	September 27, 1994			
	FID (ppm unless noted otherwise)	CGI		
		LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)
<b>1401 W Golf</b>				
Background (N. of Bldg)	2.8	0	0	20.5
Breathing Zone of Basement	56	0	0	19.9
Southwest Corner of Basement	38	0	0	19.9
Southeast Corner of Basement	94	1	0	20.0
Northwest Corner of Basement	52	0	0	19.9
Northeast Corner of Basement	53	0	0	19.9
Top of Sump	160	1	0	19.9
Sink Drain	53	0	0	19.9
Toilet Drain (Plugged)	53	0	0	19.9
Shower Drain (Plugged)	47	0	0	19.9
Sauna Drain (Rag Stuffed in Drain)	51	0	0	19.9
Crack in floor (NE corner, AS-1)	>1000	18	0	20.0
Crack in floor (north of sump, AS-2)	>1000	12	0	19.7
<b>1407 W Golf</b>				
Background (N. of Bldg)	2.8	0	0	20.5
Breathing Zone of Basement	14	0	0	20.6
Southwest Corner of Basement	14	0	0	20.6
Southeast Corner of Basement	14	0	0	20.6
Northwest Corner of Basement	14	0	0	20.5
Northeast Corner of Basement	14	0	0	20.5
Top of Sump	60	0	0	20.6
Crack in Floor Near N. Wall (Center)	14	0	0	20.5
Crack in Floor at S Wall	16	0	0	20.5
Floor Drain	20	0	0	20.6
<b>1415 &amp; 1419 W Golf</b>				
<b>Laundry Room</b>				
Background (N. of Bldg)	8.2	0	0	20.5
Breathing Zone of Basement	8.2	0	0	20.4
Southwest Corner of Basement	8.2	0	0	20.4
Southeast Corner of Basement	8.2	0	0	20.4
Northwest Corner of Basement	8.2	0	0	20.4
Northeast Corner of Basement	8.2	0	0	20.4
Sump (No pump installed)	8.2	0	0	20.4
<b>Sign Making Room</b>				
Breathing Zone of Basement	7.6	0	0	20.5
Southwest Corner of Basement	7.6	0	0	20.5
Southeast Corner of Basement	7.6	0	0	20.5
Northwest Corner of Basement	7.6	0	0	20.5
Northeast Corner of Basement	7.6	0	0	20.5
Crack in Floor (Center)	7.6	0	0	20.5
Floor Drain (Blocked)	7.6	0	0	20.5
<b>1425 W Golf</b>				
Background (N. of Bldg)	2.8	0	0	20.5
Breathing Zone of Basement	36	0	0	20.4
Southwest Corner of Basement	40	0	0	20.4
Southeast Corner of Basement	36	0	0	20.4
Northwest Corner of Basement	50	0	0	20.4
Northeast Corner of Basement	36	0	0	20.4
Top of Sump	52	1	0	20.4
Crack in Floor Near Southeast Corner	700	2	0	20.4
Crack in Floor of Workroom (North)	540	2	0	20.4
Floor Drain (blocked)	700	41	0	20.4
<b>1431 W Golf</b>				
Background (S. of Bldg)	6.6	0	0	20.5
Breathing Zone of Basement	5.8	0	0	20.4
Southwest Corner of Basement	5.8	0	0	20.5
Southeast Corner of Basement	5.8	0	0	20.5
Northwest Corner of Basement	5.4	0	0	20.6
Northeast Corner of Basement	5.8	0	0	20.5
Top of Sump (SW corner)	5.8	0	0	20.6
Shower Drain	5.8	0	0	20.5
Sink Drain	5.8	0	0	20.5
Toilet	5.8	0	0	20.5
<b>1451 W Golf Road</b>				
Background (S. of Bldg)	2.8	0	0	20.5
Breathing Zone of Basement	280	1	0	20.5
Southwest Corner of Basement	300	1	0	20.5
Southeast Corner of Basement	300	1	0	20.5
Northwest Corner of Basement	320	1	0	20.4
Northeast Corner of Basement	360	1	0	20.4
Top of Sump (south wall)	320	1	0	20.4
Crack in Floor (Center of Basement)	>1000	12	0	20.4
Crack in Floor (West End)	>1000	10	0	20.2
Floor Drain	280	1	0	20.3

Notes:  
NM= Not Measured



**Golder Associates Inc.**

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**YEOMAN CREEK/EDWARDS FIELD LANDFILLS RI/FS  
MONTHLY PROGRESS REPORT  
FOR AUGUST 1994**

**Submitted to:**

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

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**September 1994**

**933-8136.07**

## MONTHLY PROGRESS REPORT

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TO: USEPA/IEPA  
FROM: Golder Associates Inc.  
RE: YEOMAN CREEK/EDWARDS FIELD LANDFILLS RI/FS  
MONTHLY PROGRESS REPORT FOR AUGUST 1994

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This thirty-seventh 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 August 1, 1994 to August 31, 1994.

### RI/FS ACTIVITIES

#### Field Activities

The monthly site inspection was conducted on August 19, 1994. 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. No damage to the perimeter fence at the Yeoman Creek Landfill was observed. During the Edwards Field Landfill site inspection, three piles of soil and debris were observed along the western boundary of the site, approximately 300 feet north of Roger Edwards Avenue. There was no evidence of damage to the perimeter fence at the landfill, but tracks were observed leading from an adjacent, closed automobile dealership to the fence. It appears the source of the debris may be the automobile dealership. The Park District is attempting to identify a responsible party.

During August 1994, Golder Associates solicited bids for the relocation of the perimeter fence at the site.

Pursuant to the second amendment to the Administrative Order on Consent, monitoring of the Evoy property at 2122 Yeoman Street and the Terrace Nursing Home property continued in August 1994. Monitoring results are provided in Table 1.

Weekly air monitoring in the basements of the 1401 through 1451 West Golf Road building continued in August 1994 at the request of USEPA. Monitoring results are provided in Table 2.

Air levels of organic vapors detected in unit 1451 of the West Golf Road building continued to exceed the 100 ppm action level. A cover with a direct connection to the extraction piping was installed on the basement sump to lower the concentration of organic vapors to acceptable levels. However, since the extraction fan for this basement was sent to the manufacturer for repairs, the effectiveness of this corrective action work could not be assessed at that time.

Operation and maintenance of the Air-Exchange and Ventilation System (AEVS) continued in August 1994.

Deliverables and Correspondence

On August 4, 1994, Golder Associates sent a letter confirming a telephone conversation between Mr. Richard Boice and Mr. James Daly regarding work on the AEVS and the final inspection of the AEVS.

On August 10, 1994, Golder Associates sent a letter to the USEPA and IEPA requesting an extension for the preparation of the final Feasibility Study.

On August 19, 1994, the USEPA sent a letter requesting revisions to the fencing plan and a construction schedule for relocation of the fence.

On August 24, 1994, the USEPA sent a letter to the PRP Steering Committee providing a time extension for submittal of the final Feasibility Study.

WORK PROPOSED FOR THE NEXT REPORTING PERIOD (SEPTEMBER)

RI/FS activities expected to begin or continue in September 1994 include:

- Completion of the Final Inspection of the AEVS.
- Operation and maintenance of the AEVS, including monitoring in unit 1451 to assess the effectiveness of the sump cover.
- Preparation and submission of the Final FS Report incorporating USEPA/IEPA comments.
- Preparation of the Construction Completion Report for the AEVS.
- Fence relocation on the north side of the Yeoman Creek Landfill.
- Preparation and submission of a plan for stockpiling fill material at the Yeoman Creek Landfill.

(36077614.wp1\emp\srh)

Table 1  
Monthly Site Inspection Air Monitoring Results  
Yeoman Creek/Edwards Field Landfills RI/FS

Date Monitoring Location	February 28, 1994			March 17, 1994			April 15, 1994			May 19, 1994			June 23, 1994			July 22, 1994			August 18, 1994			
	FID (ppm)	%LEL	%Oxygen	FID (ppm)	%LEL	%Oxygen	FID (ppm)	%LEL	%Oxygen	FID (ppm)	%LEL	%Oxygen	FID (ppm)	%LEL	%Oxygen	FID (ppm)	%LEL	%Oxygen	FID (ppm)	%LEL	%Oxygen	
2122 Yeoman Street (Evoy Property) Background Sump (SW corner) Floor Drain SW corner Entrance to crawl space Floor/wall joints North wall South wall East wall West wall	0.0	NM(5)		0.0 to 3.0	0.0	20.8	0.0	0.0	20.8	4.5	0.0	20.8	0.0	0.0	20.8	0.0	0.0	20.8	0.0	0.0	20.8	
	0.0			1.0	0.0	20.8	22.0	0.0	20.8	4.8	0.0	20.8	0.0	0.0	20.8	3.2	0.0	20.2	4.0	0.0	20.8	
	0.0			1.0	0.0	20.8	0.5	0.0	20.8	4.5	0.0	20.7	0.0	0.0	20.9	0.0	0.0	20.2	3.8	0.0	20.9	
	0.0			1.5	0.0	20.8	0.5	0.0	20.8	6.4	0.0	20.7	1.0	0.0	20.9	0.0	0.0	20.3	4.8	0.0	20.8	
	0.0			1.5 to 2.0	0.0	20.8	0.5	0.0	20.8	4.5	0.0	20.7	0.0	0.0	20.9	2.1	0.0	20.4	3.4	0.0	21.0	
	0.0			1.0 to 2.0	0.0	20.8	0.5	0.0	20.8	4.7	0.0	20.6	0.0	0.0	20.9	1.4	0.0	20.5	3.4	0.0	21.0	
	0.0			1.5 to 2.0	0.0	20.8	0.5	0.0	20.8	4.5	0.0	20.7	0.0	0.0	20.9	1.8	0.0	20.5	3.4	0.0	21.0	
	0.0			1.0 to 2.0	0.0	20.8	0.5	0.0	20.8	4.5	0.0	20.7	0.0	0.0	20.9	1.8	0.0	20.5	3.4	0.0	21.0	
	1815 Sunset Avenue (Terrace Nursing Home) Background Laundry Room Ambient Air Crack in floor (E-W @ E) Crack in floor (N-S @ S) Floor drain (East) Floor drain (West) Linen Room Ambient Air Cracks in concrete Mid room, N-S @ S East end, N-S @ center East wall @ breathing zone Medical records room (Ambient Air) Lunch Room (Ambient Air) Maintenance room (Ambient Air) Boiler room Ambient Air Floor drain Hair Salon (Ambient Air) North office (Ambient Air) Activities room Ambient Air Floor drain Physiotherapy (Ambient Air) Lounge (Ambient Air) South office (Ambient Air) South caged storage area (Ambient Air) Activities office (Ambient Air) Vending room (Ambient Air) NW lunch room (Ambient Air) North caged storage area (Ambient Air) Duct room (Ambient Air) Open Storage Ambient Air Floor drain Sump room Ambient Air	NM(3)	NM(3)	NM(3)	0.0 to 1.0	0.0	20.8	0.0	0.0	20.8	0.0	0.0	20.8	0.0	0.0	20.8	0.0	0.0	20.3	0.0	0.0	20.8
					12.0	0.0	21.0	2.8	0.0	20.8	3.5	0.0	20.7	0.0	0.0	21.0	2.2	0.0	20.4	1.8	0.0	21.0
					90.0	0.0	21.0	3.6	0.0	20.8	3.5	0.0	20.7	2.0	0.0	21.0	1.0	0.0	20.3	2.0	0.0	20.8
					40.0	0.0	21.0	4.0	0.0	20.8	3.5	0.0	20.7	4.0	0.0	21.0	1.3	0.0	20.2	2.0	0.0	20.8
				10.0	0.0	20.8	2.8	0.0	20.8	5.6	0.0	20.7	0.0	0.0	21.0	1.6	0.0	20.3	2.8	0.0	20.9	
				10.0	0.0	20.8	2.0	0.0	20.7	2.9	0.0	20.7	0.0	0.0	21.0	6.8	0.0	20.2	1.4	0.0	20.9	
				10.0	0.0	20.8	4.0	0.0	20.8	1.8	0.0	20.7	0.0	0.0	21.0	0.6	0.0	20.2	2.6	0.0	20.9	
				10.0	0.0	20.8	5.8	0.0	20.8	1.4	0.0	20.7	0.0	0.0	21.0	0.6	0.0	20.3	0.6	0.0	21.0	
				0.0	0.0	20.8	3.4	0.0	20.9	0.6	0.0	20.8	0.0	0.0	20.8	0.0	0.0	20.3	0.0	0.0	21.0	
				14.0	0.0	21.0	4.8	0.0	20.8	9.0	0.0	20.8	0.0	0.0	20.8	0.0	0.0	20.4	0.2	0.0	21.0	
				0.0	0.0	20.8	2.9	0.0	20.9	1.5	0.0	20.8	0.0	1.0	20.9	0.0	1.0	20.2	0.3	0.0	21.0	
				0.0	0.0	20.8	2.4	0.0	20.8	4.2	0.0	20.8	0.0	1.0	20.9	0.0	1.0	20.3	0.4	0.0	21.0	
			0.0	0.0	20.8	5.0	0.0	20.8	2.4	0.0	20.8	0.0	1.0	20.9	0.0	1.0	20.2	0.8	0.0	21.0		
			0.0	0.0	20.8	2.6	0.0	20.8	2.0	0.0	20.8	0.0	0.0	20.9	0.0	0.0	20.2	2.4	0.0	20.8		
			0.5	0.0	20.8	1.8	0.0	20.8	1.5	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.2	0.7	0.0	21.0		
			NM	NM	NM	3.2	0.0	20.8	1.8	0.0	20.8	0.0	0.0	20.9	0.0	0.0	20.2	0.6	0.0	20.9		
			0.0	0.0	20.8	2.0	0.0	20.9	2.1	0.0	20.9	0.0	1.0	20.9	0.1	1.0	20.1	0.6	0.0	20.9		
			0.0	0.0	20.8	1.2	0.0	20.8	4.2	0.0	20.8	0.0	1.0	20.9	0.0	1.0	20.3	1.4	0.0	20.8		
			0.0	0.0	20.9	3.2	0.0	20.9	1.8	0.0	20.9	0.0	1.0	20.9	0.0	1.0	20.3	1.0	0.0	20.9		
			0.0	0.0	21.0	3.2	0.0	20.9	2.0	0.0	20.9	0.0	1.0	20.9	0.0	1.0	20.3	1.0	0.0	20.9		
			0.0	0.0	20.8	2.0	0.0	20.9	1.6	0.0	20.9	0.0	1.0	20.9	0.0	1.0	20.2	0.6	0.0	20.9		
			1.0	0.0	20.8	3.2	0.0	20.9	2.0	0.0	20.8	0.0	1.0	20.9	0.0	1.0	20.3	0.6	0.0	20.9		
			0.0	0.0	20.8	2.0	0.0	20.9	2.0	0.0	20.8	0.0	1.0	20.9	0.0	1.0	20.2	0.7	0.0	20.9		
			0.0 to 2.0	0.0	20.8	120.0	0.0	20.9	7.0	0.0	20.8	420.0	0.0	20.9	20.3	0.0	20.3	70.3	0.0	20.9		
			0.0 to 1.0	0.0	20.8	3.4	0.0	20.9	1.8	0.0	20.8	0.0	0.0	20.9	0.0	0.0	20.2	0.4	0.0	20.9		

1 CGI - Combustible Gas Indicator  
 2 FID - Flame Ionization Detector  
 3 During the February 28, 1994 inspection, access to 1815 Sunset Avenue could not be obtained  
 4 NM - Not Measured  
 5 CGI readings during the February 28, 1994 inspection could not be obtained due to malfunctioning equipment  
 6 Key to room was not available on-site and therefore the room was not accessible

Table 2  
Basement Screening Results  
1401 Through 1451 West Golf Road Building  
Waukegan, Illinois

LOCATION	August 5, 1994				August 11, 1994			
	FID (ppm unless noted otherwise)	CGI			FID (ppm unless noted otherwise)	CGI		
		LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)		LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)
<b>1401 W Golf</b>								
Background (N of Bldg)	0.2	0	0	20.1	0	0	0	20.8
Breathing Zone of Basement	0.3	0	0	20.1	0	0	0	20.9
Southwest Corner of Basement	0.4	0	0	20.2	0	0	0	20.8
Southeast Corner of Basement	0.2	0	0	20.2	0	0	0	20.8
Northwest Corner of Basement	0.4	0	0	20.2	0	0	0	20.8
Northeast Corner of Basement	0.2	0	0	20.3	0	0	0	20.8
Top of Sump	0.2	0	0	20.2	0	0	0	20.8
Sink Drain	0.3	0	0	20.2	0	0	0	20.8
Toilet Drain (Plugged)	0.3	0	0	20.2	0	0	0	20.8
Shower Drain (Plugged)	0.3	0	0	20.2	0	0	0	20.8
Sauna Drain (Rag Stuffed in Drain)	0.3	0	0	20.2	0	0	0	20.8
Crack in floor (NE corner, AS-1)	0.3	0	0	20.3	0	0	0	20.8
Crack in floor (north of sump, AS-2)	0.3	0	0	20.2	0	0	0	20.8
<b>1407 W Golf</b>								
Background (N of Bldg)	0.2	0	0	20.1	4	0	0	20.8
Breathing Zone of Basement	0.4	0	0	20.3	4	0	0	20.9
Southwest Corner of Basement	0.5	0	0	20.4	4	0	0	20.9
Southeast Corner of Basement	0.5	0	0	0.4	4	0	0	20.9
Northwest Corner of Basement	0.5	0	0	0.4	4	0	0	20.9
Northeast Corner of Basement	0.4	0	0	0.3	4	0	0	20.9
Top of Sump	0.4	0	0	0.4	4	0	0	20.9
Crack in Floor Near N. Wall (Center)	0.5	0	0	0.5	4	0	0	20.9
Crack in Floor at S. Wall	0.4	0	0	0.5	6	0	0	20.9
Floor Drain	NM	NM	NM	NM	4	0	0	20.8
<b>1415 &amp; 1419 W Golf</b>								
<b>Laundry Room</b>								
Background (N of Bldg)	0.4	0	0	20.7				
Breathing Zone of Basement	0.6	0	0	20.6	3.5	0	0	20.8
Southwest Corner of Basement	0.5	0	0	20.7	2	0	0	20.8
Southeast Corner of Basement	0.5	0	0	20.7	2	0	0	20.8
Northwest Corner of Basement	0.5	0	0	20.6	5	0	0	20.8
Northeast Corner of Basement	0.5	0	0	20.7	2.5	0	0	20.8
Sump (No pump installed)	0.5	0	0	20.7	8	0	0	20.8
<b>Sign Making Room</b>								
Breathing Zone of Basement	0.9	0	0	20.7	9	0	0	20.8
Southwest Corner of Basement	1.2	0	0	20.7	10	0	0	20.8
Southeast Corner of Basement	1.0	0	0	20.7	9.5	0	0	20.8
Northwest Corner of Basement	1.0	0	0	20.7	9	0	0	20.8
Northeast Corner of Basement	1.0	0	0	20.7	9	0	0	20.8
Crack in Floor (Center)	1.0	0	0	20.7	12	0	0	20.8
Floor Drain (Blocked)	1.2	0	0	20.7	200	1	0	20.8
<b>1425 W Golf</b>								
Background (N of Bldg)	0.3	0	0	20.6				
Breathing Zone of Basement	2.1	0	0	20.7	31	1	0	20.8
Southwest Corner of Basement	2.2	0	0	20.7	25	0	0	20.8
Southeast Corner of Basement	3.2	0	0	20.7	34	0	0	20.8
Northwest Corner of Basement	1.5	0	0	20.7	26	1	0	20.8
Northeast Corner of Basement	2	0	0	20.7	46	1	0	20.8
Top of Sump	4.6	0	0	20.7	600	2	0	20.8
Crack in Floor Near Southeast Corner	6.4	0	0	20.7	>1000	6	0	20.8
Crack in Floor of Workroom (North)	8	0	0	20.7	900	6	0	20.7
Floor Drain (blocked)	>1000	9-27	0	20.7	>1000	>100	0	<15
<b>1431 W Golf</b>								
Background (S of Bldg)	0.3	0	0	20.6	0	0	0	20.8
Breathing Zone of Basement	1	0	0	20.7	3.5	0	0	20.8
Southwest Corner of Basement	0.9	0	0	20.7	NM	0	0	20.9
Southeast Corner of Basement	1.2	0	0	20.7	2.5	0	0	20.9
Northwest Corner of Basement	0.7	0	0	20.7	3	0	0	20.9
Northeast Corner of Basement	1	0	0	20.7	10	0	0	20.9
Top of Sump (SW corner)	1.1	0	0	20.7	6	1	0	20.8
Shower Drain	2.2	0	0	20.7	22	0	0	21
Sink Drain	1.8	0	0	20.7	19	1	0	20.9
Toilet	2	0	0	20.7	17	1	0	20.9
<b>1451 W Golf Road</b>								
Background (S of Bldg)	0.3	0	0	20.7				
Breathing Zone of Basement	73	1	0	20.7	160	2	0	20.7
Southwest Corner of Basement	58	1	0	20.6	200	2	0	20.8
Southeast Corner of Basement	70	1	0	20.7	150	2	0	20.8
Northwest Corner of Basement	82	1	0	20.7	150	1	0	20.8
Northeast Corner of Basement	68	0	0	20.7	160	1	0	20.8
Top of Sump (south wall)	68	1	0	20.7	700	6	0	20.7
Crack in Floor (Center of Basement)	60	1	0	20.6	>1000	51	0	20.4
Crack in Floor (West End)	>1000	38-52	0	20.7	>1000	71	0	20.4
Floor Drain	120	2.4	0	20.5	620	3	0	20.7

Notes:

NM= Not Measured  
\* = Not Measured because monitoring point could not be located

Rainfall yesterday

Table 2  
Basement Screening Results  
1401 Through 1451 West Golf Road Building  
Waukegan, Illinois

LOCATION	August 18, 1994				August 26, 1994			
	FID (ppm unless noted otherwise)	CGI			FID (ppm unless noted otherwise)	CGI		
		LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)		LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)
<b>1401 W Golf</b>								
Background (N. of Bldg)	1	0	0	20.8	2.8	3	0	20.7
Breathing Zone of Basement	2	0	0	20.8	1.2	3	0	20.7
Southwest Corner of Basement	1.8	0	0	20.9	1.2	3	0	20.7
Southeast Corner of Basement	1	0	0	20.9	1.5	3	0	20.7
Northwest Corner of Basement	3.8	0	0	20.8	1.4	3	0	20.7
Northeast Corner of Basement	0.2	0	0	20.9	1.9	3	0	20.7
Top of Sump	2.3	0	0	20.9	1.6	3	0	20.7
Sunk Drain	2	0	0	20.9	2.5	3	0	20.7
Toilet Drain (Plugged)	2	0	0	20.9	2.6	3	0	20.7
Shower Drain (Plugged)	5	0	0	20.9	2.6	3	0	20.7
Sauna Drain (Rag Stuffed in Drain)	1.7	0	0	20.9	2.4	3	0	20.7
Crack in floor (NE corner, AS-1)	60	0	0	20.9	2.2	3	0	20.7
Crack in floor (north of sump, AS-2)	4.4	0	0	20.9	2.0	3	0	20.7
<b>1407 W Golf</b>								
Background (N. of Bldg)	1	0	0	20.8	2.8	3	0	20.7
Breathing Zone of Basement	15	0	0	20.9	7.8	2	0	20.6
Southwest Corner of Basement	16	0	0	20.9	8.5	2	0	20.6
Southeast Corner of Basement	14	1	0	20.9	8.5	2	0	20.6
Northwest Corner of Basement	16	0	0	20.9	7.8	2	0	20.5
Northeast Corner of Basement	15	0	0	20.9	7.6	2	0	20.6
Top of Sump	14	0	0	20.9	8.8	2	0	20.5
Crack in Floor Near N. Wall (Center)	20	0	0	20.9	8.2	2	0	20.6
Crack in Floor at S. Wall	16	0	0	20.9	1000	9	0	20.4
Floor Drain	160	1	0	20.8	1000	28	0	20.5
<b>1415 &amp; 1419 W Golf</b>								
<b>Laundry Room</b>								
Background (N. of Bldg)	1	0	0	20.8				
Breathing Zone of Basement	15	0	0	20.8	36	2	0	20.6
Southwest Corner of Basement	18	0	0	20.7	33	2	0	20.6
Southeast Corner of Basement	20	1	0	20.8	34	2	0	20.6
Northwest Corner of Basement	17	0	0	20.8	35	2	0	20.5
Northeast Corner of Basement	15	0	0	20.8	34	2	0	20.6
Sump (No pump installed)	>1000	3	0	20.7	>1000	11	0	20.6
<b>Sign Making Room</b>								
Breathing Zone of Basement	22	0	0	20.8	28	0	1	20.5
Southwest Corner of Basement	25	1	0	20.8	30	0	0	20.5
Southeast Corner of Basement	55	0	0	20.8	30	1	0	20.6
Northwest Corner of Basement	21	0	0	20.8	26	0	0	20.5
Northeast Corner of Basement	28	0	0	20.8	27	1	0	20.5
Crack in Floor (Center)	34	0	0	20.8	42	1	0	20.5
Floor Drain (Blocked)	230	1	0	20.8	300	2	0	20.6
<b>1425 W Golf</b>								
Background (N. of Bldg)	1	0	0	20.8				
Breathing Zone of Basement		0	0	20.8	20	NA	0	20.7
Southwest Corner of Basement	98	0	0	20.8	17	NA	0	20.7
Southeast Corner of Basement	100	0	0	20.8	39	4	0	20.7
Northwest Corner of Basement	95	0	0	20.7	20	NA	0	20.7
Northeast Corner of Basement	64	0	0	20.8	22	NA	0	20.7
Top of Sump	400	1	0	20.8	400	NA	0	20.7
Crack in Floor Near Southeast Corner	90	1	0	20.8	60	NA	0	20.7
Crack in Floor of Workroom (North)	90	1	0	20.8	160	NA	0	20.7
Floor Drain (blocked)	>1000	>100	0	14.60%*	>1000	>1000	0	17.3
<b>1431 W Golf</b>								
Background (S. of Bldg)	1	0	0	20.7				
Breathing Zone of Basement	30	0	0	20.7	4.3	3	0	20.7
Southwest Corner of Basement	73	1	0	20.7	3.8	3	0	20.7
Southeast Corner of Basement	60	1	0	20.7	2.6	3	0	20.8
Northwest Corner of Basement	4.8	0	0	20.7	7.0	3	0	20.8
Northeast Corner of Basement	24	1	0	20.7	6.0	3	0	20.8
Top of Sump (SW corner)	52	0	0	20.7	12	4	0	20.7
Shower Drain	66	1	0	20.7	8.3	3	0	20.8
Sunk Drain	62	1	0	20.7	7.7	3	0	20.8
Toilet	64	1	0	20.8	1.8	3	0	20.8
<b>1451 W Golf Road</b>								
Background (S. of Bldg)	1	0	0	20.8				
Breathing Zone of Basement	160	2	0	20.8	140	4	0	20.5
Southwest Corner of Basement	110	1	0	20.7	160	4	0	20.5
Southeast Corner of Basement	170	1	0	20.6	150	4	0	20.4
Northwest Corner of Basement	220	2	0	20.7	160	4	0	20.4
Northeast Corner of Basement	170	1	0	20.6	140	4	0	20.4
Top of Sump (south wall)	>1000	11	0	20.6	>1000	6	0	20.4
Crack in Floor (Center of Basement)	1000	26	0	20.4	150	4	0	20.4
Crack in Floor (West End)	>1000	15	0	20.7	150	6	0	20.4
Floor Drain	900	6	0	20.5	240	5	0	20.4

Notes:  
 NM= Not Measured  
 \* = Not Measured because monitoring point could not be located

**Golder Associates Inc.**

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**YEOMAN CREEK/EDWARDS FIELD LANDFILLS RI/FS  
MONTHLY PROGRESS REPORT  
FOR JULY 1994**

Submitted to:

U.S. Environmental Protection Agency

and

Illinois Environmental Protection Agency

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August 1994

933-8136.07

## MONTHLY PROGRESS REPORT

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TO: United States Environmental Protection Agency  
Illinois Environmental Protection Agency

FROM: Golder Associates Inc.

RE: YEOMAN CREEK/EDWARDS FIELD LANDFILLS RI/FS  
MONTHLY PROGRESS REPORT FOR JULY 1994

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This thirty-sixth 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 July 1, 1994 to July 31, 1994.

### RI/FS ACTIVITIES

#### Field Activities

The monthly site inspection was conducted on June 23, 1994. 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 in the secure storage areas 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. There was no evidence of damage to the perimeter fence at either landfill.

Golder Associates received access to the Lovinger property on the north side of the Yeoman Creek Landfill in order to complete fence relocation at the Site.

Pursuant to the second amendment to the Administrative Order on Consent, monitoring of the Evoy property at 2122 Yeoman Street and the Terrace Nursing Home property continued in July 1994. Monitoring results are provided on Table 1.

On July 8, 1994, U.S. EPA performed an inspection of the AEVS to verify that punchlist items from the pre-final inspection had been completed. During the inspection, it was noted that the control panel alarms were malfunctioning. Repairs to the control panel, as well as the unit 1451 exhaust fan, were completed in July 1994. In July 1994, U.S. EPA approved the proposed noise reduction measures for the unit 1401, 1423/1425, and 1451 basements. After installation of these items, U.S. EPA will perform the final inspection.

Weekly air monitoring in the basements of the 1401 through 1451 West Golf Road building began on June 23, 1994 and continued in July 1994. Monitoring results are provided in Table 2.

#### Deliverables and Correspondence

On July 1, 1994, Golder Associates sent a letter to U.S. EPA/IEPA regarding the final inspection of the AEVS.

On July 5, 1994, U.S. EPA sent Golder Associates a letter which provided comments on the RI Report submitted in June 1994.



On July 5, 1994, U.S. EPA sent Golder Associates a letter which provided additional comments on the RI Report submitted in June 1994.

On July 7, 1994, U.S. EPA sent Golder Associates a letter which requested a re-evaluation of the AEVS. The re-evaluation was requested based on an assessment of ambient air monitoring results for basements in the 1401 through 1451 West Golf Road building.

On July 14, 1994, Golder Associates sent a letter to U.S. EPA regarding proposed noise reduction design changes for the AEVS at the 1401 through 1451 West Golf Road building.

On July 19, 1994, Golder Associates submitted a letter to U.S. EPA that presented a re-evaluation of the AEVS system design and performance.

On July 21, 1994, Golder Associates received a letter from U.S. EPA confirming agency approval of the noise reduction design changes.

On July 27, 1994, Golder Associates and ICF Kaiser resubmitted portions of the RI report to the U.S. EPA.

#### WORK PROPOSED FOR THE NEXT REPORTING PERIOD (AUGUST)

RI/FS activities expected to begin or continue in August 1994 include:

- Completion of the Final Inspection of the AEVS.
- Operation and maintenance of the AEVS.
- Preparation of the Final FS Report incorporating U.S. EPA/IEPA comments.
- Preparation of the Construction Completion Report for the AEVS.
- Preparation for fence relocation on the north side of the Yeoman Creek Landfill.

(36077549.wp1/srh)



Table 2  
Basement Screening Results  
1401 Through 1451 West Golf Road Building  
Waukegan, Illinois

LOCATION	June 23, 1994				June 28, 1994			
	FID (ppm unless noted otherwise)	CGI			FID (ppm unless noted otherwise)	CGI		
		LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)		LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)
<b>1401 W Golf</b>								
Background (N. of Bldg)	0	**	0	20.8	0	0	0	20.8
Breathing Zone of Basement	0	**	0	21	42	1	0	20.1
Southwest Corner of Basement	0	**	0	21	50	1	0	20.7
Southeast Corner of Basement	0	**	0	21	68	1	0	20.8
Northwest Corner of Basement	0	**	0	21	58	0	0	20.8
Northeast Corner of Basement	0	**	0	21	70	1	0	20.7
Top of Sump	0	**	0	21	60	1	0	20.8
Sink Drain	0	**	0	21	42	1	0	20.8
Toilet Drain (Plugged)	0	**	0	21	40	1	0	20.8
Shower Drain (Plugged)	0	**	0	21	70	0	0	20.7
Sauna Drain (Rag Stuffed in Drain)	0	**	0	21	65	0	0	20.7
Crack in floor (NE corner, AS-1)	0	**	0	21	>1000	22	0	20.6
Crack in floor (north of sump, AS-2)	0	**	0	21	>1000	22	0	20.6
<b>1407 W Golf</b>								
Background (N. of Bldg)	**	**	**	**	0	0	0	20.8
Breathing Zone of Basement	**	**	**	**	6	0	0	20.8
Southwest Corner of Basement	**	**	**	**	7	0	0	20.8
Southeast Corner of Basement	**	**	**	**	9	0	0	20.8
Northwest Corner of Basement	**	**	**	**	10	0	0	20.8
Northeast Corner of Basement	**	**	**	**	7	0	0	20.8
Top of Sump	**	**	**	**	26	0	0	20.7
Crack in Floor Near N. Wall (Center)	**	**	**	**	12	0	0	20.9
Crack in Floor at S. Wall	**	**	**	**	21	0	0	20.9
Floor Drain	**	**	**	**	NM	NM	NM	NM
<b>1415 &amp; 1419 W Golf</b>								
<b>Laundry Room</b>								
Background (N. of Bldg)	0	**	0	20.8	0	0	0	21
Breathing Zone of Basement	0	**	0	20.8	4	0	0	20.9
Southwest Corner of Basement	0	**	0	20.8	4	1	0	20.9
Southeast Corner of Basement	0	**	0	20.8	4	1	0	20.9
Northwest Corner of Basement	0	**	0	20.8	4	1	0	20.9
Northeast Corner of Basement	0	**	0	20.8	4	0	0	20.9
Sump (No pump installed)	0	**	0	20.8	4	1	0	20.9
<b>Sign Making Room</b>								
Breathing Zone of Basement	**	**	**	**	16	0	0	21
Southwest Corner of Basement	**	**	**	**	16	1	0	21
Southeast Corner of Basement	**	**	**	**	18	1	0	21
Northwest Corner of Basement	**	**	**	**	16	1	0	21.1
Northeast Corner of Basement	**	**	**	**	18	1	0	21
Crack in Floor (Center)	**	**	**	**	70	1	0	21
Floor Drain (Blocked)	**	**	**	**	150	1	0	21
<b>1425 W Golf</b>								
Background (N. of Bldg)	0	**	0	20.8	0	0	0	20.8
Breathing Zone of Basement	4	**	0	20.8	32	1	0	20.7
Southwest Corner of Basement	1	**	0	20.8	32	1	0	20.7
Southeast Corner of Basement	0	**	0	20.8	50	1	0	20.7
Northwest Corner of Basement	7	**	0	20.8	30	1	0	20.7
Northeast Corner of Basement	5	**	0	20.8	34	1	0	20.7
Top of Sump	1	**	0	20.8	280	1	0	20.7
Crack in Floor Near Southeast Corner	0	**	0	20.8	40	1	0	20.7
Crack in Floor of Workroom (North)	36	**	0	20.8	160	1	0	20.7
Floor Drain (blocked)	*	**	*	*	170	1	0	20.7
<b>1431 W Golf</b>								
Background (S. of Bldg)	**	**	**	**	0	0	0	20.8
Breathing Zone of Basement	**	**	**	**	0	0	0	20.8
Southwest Corner of Basement	**	**	**	**	5	1	0	20.8
Southeast Corner of Basement	**	**	**	**	6	1	0	20.8
Northwest Corner of Basement	**	**	**	**	1	0	0	20.8
Northeast Corner of Basement	**	**	**	**	1	0	0	20.8
Top of Sump (SW corner)	**	**	**	**	6	1	0	20.8
Shower Drain	**	**	**	**	4	0	0	20.8
Sink Drain	**	**	**	**	7	0	0	20.8
Toilet	**	**	**	**	5	0	0	20.8
<b>1451 W Golf Road</b>								
Background (S. of Bldg)	**	**	**	**	0	0	0	20.8
Breathing Zone of Basement	**	**	**	**	320	3	0	20.6
Southwest Corner of Basement	**	**	**	**	380	4	0	20.7
Southeast Corner of Basement	**	**	**	**	320	3	0	20.8
Northwest Corner of Basement	**	**	**	**	450	4	0	20.7
Northeast Corner of Basement	**	**	**	**	320	3	0	20.8
Top of Sump (south wall)	**	**	**	**	400->1000	3	0	20.7
Crack in Floor (Center of Basement)	**	**	**	**	540	3	0	20.8
Crack in Floor (West End)	**	**	**	**	>1000	10	0	20.7
Floor Drain	**	**	**	**	>1000	8	0	20.7

Notes:

- NM= Not Measured
- \* = Not Measured because monitoring point could not be located
- \*\* = Not Measured due to access problem.

Table 2  
Basement Screening Results  
1401 Through 1451 West Golf Road Building  
Waukegan, Illinois

LOCATION	June 29, 1994				June 30, 1994			
	FID (ppm unless noted otherwise)	CGI			FID (ppm unless noted otherwise)	CGI		
		LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)		LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)
<b>1401 W Golf</b>								
Background (N of Bldg)	**	**	**	**	0	0	0	20.8
Breathing Zone of Basement	**	**	**	**	0	0	0	20.8
Southwest Corner of Basement	**	**	**	**	0	0	0	21
Southeast Corner of Basement	**	**	**	**	0	0	0	20.8
Northwest Corner of Basement	**	**	**	**	0	0	0	21
Northeast Corner of Basement	**	**	**	**	0	0	0	21
Top of Sump	**	**	**	**	0	0	0	20.8
Sink Drain	**	**	**	**	0	0	0	20.8
Toilet Drain (Plugged)	**	**	**	**	0	0	0	20.8
Shower Drain (Plugged)	**	**	**	**	0	0	0	21
Sauna Drain (Rag Stuffed in Drain)	**	**	**	**	0	0	0	21
Crack in floor (NE corner, AS-1)	**	**	**	**	0	0	0	21
Crack in floor (north of sump, AS-2)	**	**	**	**	0	0	0	21
<b>1407 W Golf</b>								
Background (N of Bldg)	0	0	0	20.8	0	0	0	20.8
Breathing Zone of Basement	1	0	0	20.9	1	0	0	20.8
Southwest Corner of Basement	0.5	0	0	20.9	0	0	0	20.8
Southeast Corner of Basement	0.5	0	0	20.9	0	0	0	20.8
Northwest Corner of Basement	0.5	0	0	20.9	0	0	0	20.8
Northeast Corner of Basement	0.7	0	0	20.9	0	0	0	20.8
Top of Sump	2	0	0	20.9	0	0	0	20.8
Crack in Floor Near N Wall (Center)	0.5	0	0	20.9	0	0	0	20.8
Crack in Floor at S Wall	1	0	0	20.9	0	0	0	20.8
Floor Drain	NM	NM	NM	NM	NM	NM	NM	NM
<b>1415 &amp; 1419 W Golf</b>								
<b>Laundry Room</b>								
Background (N of Bldg)	1	0	0	20.8	1	0	0	20.8
Breathing Zone of Basement	0.5	0	0	20.8	3.5	0	0	20.8
Southwest Corner of Basement	0.5	0	0	20.8	3.5	0	0	20.8
Southeast Corner of Basement	0.5	0	0	20.8	2.4	0	0	20.8
Northwest Corner of Basement	0.5	0	0	20.8	2.5	0	0	20.8
Northeast Corner of Basement	0.5	0	0	20.8	2.5	0	0	20.8
Sump (No pump installed)	0.5	0	0	20.8	3.5	0	0	20.8
<b>Sign Making Room</b>								
Breathing Zone of Basement	6	0	0	20.8	4	0	0	20.8
Southwest Corner of Basement	6	0	0	20.8	5.2	0	0	20.8
Southeast Corner of Basement	5.6	0	0	20.8	4.2	0	0	20.8
Northwest Corner of Basement	5.6	0	0	20.8	4.7	0	0	20.8
Northeast Corner of Basement	5.4	0	0	20.8	4.2	0	0	20.8
Crack in Floor (Center)	6	0	0	20.8	4	0	0	20.8
Floor Drain (Blocked)	30	0	0	20.8	35	0	0	20.8
<b>1425 W Golf</b>								
Background (N of Bldg)	0	0	0	20.8	0	0	0	20.8
Breathing Zone of Basement	5.6	0	0	20.9	7	0	0	20.9
Southwest Corner of Basement	3	0	0	20.8	7	0	0	20.9
Southeast Corner of Basement	7.8	0	0	20.9	7	0	0	20.9
Northwest Corner of Basement	3.4	0	0	20.8	7	0	0	20.9
Northeast Corner of Basement	5	0	0	20.8	2	0	0	20.9
Top of Sump	60	1	0	20.8	7	0	0	20.9
Crack in Floor Near Southeast Corner	13	0	0	20.9	10	0	0	20.9
Crack in Floor of Workroom (North)	26	0	0	20.9	15	0	0	20.9
Floor Drain (blocked)	60	0	0	20.9	55	0	0	20.8
<b>1431 W Golf</b>								
Background (S of Bldg)	0	0	0	20.8	0	0	0	20.8
Breathing Zone of Basement	1	0	0	20.8	1	0	0	20.8
Southwest Corner of Basement	0.1	0	0	20.8	1	0	0	20.8
Southeast Corner of Basement	0.6	0	0	20.8	1	0	0	20.8
Northwest Corner of Basement	0.6	0	0	20.8	1	0	0	20.8
Northeast Corner of Basement	0.8	0	0	20.8	1	0	0	20.8
Top of Sump (SW corner)	1.2	0	0	20.8	2	0	0	20.8
Shower Drain	1.2	0	0	20.8	6	0	0	20.8
Sink Drain	1.2	0	0	20.8	2	0	0	20.8
Toilet	2.2	0	0	20.8	4	0	0	20.8
<b>1451 W Golf Road</b>								
Background (S of Bldg)	0	0	0	20.8	0	0	0	20.8
Breathing Zone of Basement	360	2	0	20.7	300	2	0	20.8
Southwest Corner of Basement	320	3	0	20.7	300	1	0	20.8
Southeast Corner of Basement	360	3	0	20.7	380	2	0	20.7
Northwest Corner of Basement	480	3	0	20.7	410	2	0	20.8
Northeast Corner of Basement	350	2	0	20.7	300	2	0	20.7
Top of Sump (south wall)	>1000	14	0	20.6	>1000	1	0	20.8
Crack in Floor (Center of Basement)	>1000	28	0	20.6	>1000	42	0	20.5
Crack in Floor (West End)	>1000	12	0	20.6	>1000	12	0	20.5
Floor Drain	>1000	4	0	20.6	>1000	8	0	20.7

Notes:  
 NM= Not Measured  
 \* = Not Measured because monitoring point could not be located  
 \*\* = Not Measured due to access problem.

Table 2  
Basement Screening Results  
1401 Through 1451 West Golf Road Building  
Waukegan, Illinois

LOCATION	July 1, 1994				July 5, 1994			
	FID (ppm unless noted otherwise)	CGI			FID (ppm unless noted otherwise)	CGI		
		LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)		LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)
<b>1401 W Golf</b>								
Background (N. of Bldg)	0	0	0	20.8	0	0	0	20.8
Breathing Zone of Basement	0	0	0	20.8	50	1	0	20.8
Southwest Corner of Basement	0	0	0	20.8	41	0	0	20.8
Southeast Corner of Basement	0	0	0	20.8	50	1	0	20.8
Northwest Corner of Basement	0	0	0	20.8	48	1	0	20.8
Northeast Corner of Basement	0	0	0	20.8	38	0	0	20.8
Top of Sump	0	0	0	20.8	42	1	0	20.8
Sink Drain	0	0	0	20.8	38	0	0	20.8
Toilet Drain (Plugged)	0	0	0	20.8	41	0	0	20.8
Shower Drain (Plugged)	0	0	0	20.8	44	0	0	20.8
Sauna Drain (Rag Stuffed in Drain)	0	0	0	20.8	52	0	0	20.8
Crack in floor (NE corner, AS-1)	0	0	0	20.8	>1000	24	0	20.8
Crack in floor (north of sump, AS-2)	0	0	0	20.8	>1000	4	0	20.8
<b>1407 W Golf</b>								
Background (N. of Bldg)	0	0	0	20.8	0	0	0	20.7
Breathing Zone of Basement	12	0	0	20.9	46	0	0	20.7
Southwest Corner of Basement	11	0	0	20.9	51	0	0	20.7
Southeast Corner of Basement	11	0	0	20.9	50	0	0	20.7
Northwest Corner of Basement	10	0	0	20.9	45	0	0	20.7
Northeast Corner of Basement	17	0	0	20.9	48	0	0	20.7
Top of Sump	11	0	0	20.9	55	0	0	20.7
Crack in Floor Near N. Wall (Center)	10	0	0	21	115	0	0	20.7
Crack in Floor at S. Wall	11	0	0	20.9	65	0	0	20.7
Floor Drain	15	0	0	20.9	NM	NM	NM	NM
<b>1415 &amp; 1419 W Golf</b>								
<b>Laundry Room</b>								
Background (N. of Bldg)	0	0	0	20.7	1	0	0	20.7
Breathing Zone of Basement	10	0	0	20.7	50	1	0	20.7
Southwest Corner of Basement	15	1	0	20.7	45	2	0	20.7
Southeast Corner of Basement	15	1	0	20.7	47	1	0	20.7
Northwest Corner of Basement	20	1	0	20.7	61	1	0	20.7
Northeast Corner of Basement	30	1	0	20.7	51	2	0	20.7
Sump (No pump installed)	600	2	0	20.7	46	2	0	20.7
<b>Sign Making Room</b>								
Breathing Zone of Basement	30	0	0	20.7	50	0	0	20.8
Southwest Corner of Basement	30	1	0	20.7	46	0	0	20.8
Southeast Corner of Basement	26	1	0	20.7	42	0	0	20.8
Northwest Corner of Basement	30	1	0	20.7	54	0	0	20.8
Northeast Corner of Basement	24	1	0	20.7	51	0	0	20.8
Crack in Floor (Center)	28	0	0	20.7	52	0	0	20.8
Floor Drain (Blocked)	110	1	0	20.7	130	0	0	20.8
<b>1425 W Golf</b>								
Background (N. of Bldg)	0	0	0	20.8	0	0	0	20.8
Breathing Zone of Basement	18	0	0	21	180	0	0	20.8
Southwest Corner of Basement	18	0	0	20.9	182	0	0	20.8
Southeast Corner of Basement	66	1	0	20.9	185	0	0	20.8
Northwest Corner of Basement	20	0	0	20.9	180	0	0	20.8
Northeast Corner of Basement	16	0	0	NM	180	0	0	20.8
Top of Sump	35	1	0	20.9	270	0	0	20.8
Crack in Floor Near Southeast Corner	84	1	0	20.9	200	0	0	20.8
Crack in Floor of Workroom (North)	55	1	0	20.9	165	0	0	20.8
Floor Drain (blocked)	64	1	0	20.9	200	0	0	20.8
<b>1431 W Golf</b>								
Background (S. of Bldg)	0	0	0	20.8	0	0	0	20.8
Breathing Zone of Basement	22	0	0	20.9	12	0	0	20.8
Southwest Corner of Basement	12	0	0	20.9	36	0	0	20.8
Southeast Corner of Basement	24	0	0	20.9	36	0	0	20.8
Northwest Corner of Basement	6	0	0	20.9	12	0	0	20.8
Northeast Corner of Basement	2	0	0	20.9	12	0	0	20.8
Top of Sump (SW corner)	12	1	0	20.9	32	0	0	20.8
Shower Drain	6	0	0	20.9	21	0	0	20.8
Sink Drain	6	0	0	20.9	20	0	0	20.8
Toilet	6	0	0	20.9	18	0	0	20.8
<b>1451 W Golf Road</b>								
Background (S. of Bldg)	0	0	0	20.8	0	0	0	20.5
Breathing Zone of Basement	300	1	0	20.9	300	3	0	20.5
Southwest Corner of Basement	280	1	0	20.9	300	3	0	20.5
Southeast Corner of Basement	340	3	0	20.9	300	3	0	20.5
Northwest Corner of Basement	410	2	0	20.9	380	3	0	20.5
Northeast Corner of Basement	320	2	0	20.9	300	3	0	20.5
Top of Sump (south wall)	>1000	3	0	20.9	>1000	6	0	20.5
Crack in Floor (Center of Basement)	>1000	>100	0	20.9	>1000	31	0	20.5
Crack in Floor (West End)	>1000	11	0	20.7	>1000	10	0	20.5
Floor Drain	>1000	12	1	20	>1000	15	0	20.4

Notes:  
 NM= Not Measured  
 \* = Not Measured because monitoring point could not be located  
 \*\* = Not Measured due to access problem

Table 2  
Basement Screening Results  
1401 Through 1451 West Golf Road Building  
Waukegan, Illinois

LOCATION	July 8, 1994				July 12, 1994			
	FID (ppm unless noted otherwise)	CGI			FID (ppm unless noted otherwise)	CGI		
		LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)		LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)
<b>1401 W Golf</b>								
Background (N. of Bldg)	0	0	0	20.8	0	0	0	20.8
Breathing Zone of Basement	1.7	0	0	20.8	1	0	0	20.8
Southwest Corner of Basement	1.7	0	0	20.8	0.5	0	0	20.9
Southeast Corner of Basement	0	0	0	20.8	0.5	0	0	20.9
Northwest Corner of Basement	1.7	0	0	20.8	0.5	0	0	20.9
Northeast Corner of Basement	0	0	0	20.8	0.5	0	0	20.9
Top of Sump	0	0	0	20.8	0.5	0	0	20.9
Sunk Drain	1	0	0	20.8	0.5	0	0	20.9
Toilet Drain (Plugged)	1	0	0	20.8	0.5	0	0	20.9
Shower Drain (Plugged)	0	0	0	20.8	1.0	0	0	21.0
Sauna Drain (Rag Stuffed in Drain)	0.2	0	0	20.8	1.0	0	0	21.0
Crack in floor (NE corner, AS-1)	0	0	0	20.8	2.2	0	0	20.9
Crack in floor (north of sump, AS-2)	1.2	0	0	20.8	12.0	0	0	20.9
<b>1407 W Golf</b>								
Background (N. of Bldg)	0	0	0	20.8	0	0	0	20.8
Breathing Zone of Basement	0.5	0	0	20.7	4	0	0	20.8
Southwest Corner of Basement	2.4	0	0	20.7	4	0	0	20.9
Southeast Corner of Basement	4.2	0	0	20.7	2.5	0	0	20.9
Northwest Corner of Basement	2	0	0	20.8	4	0	0	20.8
Northeast Corner of Basement	3	0	0	20.7	3.5	0	0	20.9
Top of Sump	0	0	0	20.7	4.0	0	0	20.9
Crack in Floor Near N. Wall (Center)	0	0	0	20.7	3.5	0	0	20.9
Crack in Floor at S. Wall	0.4	0	0	20.7	30	0	0	20.9
Floor Drain	NM	NM	NM	NM	NM	NM	NM	NM
<b>1415 &amp; 1419 W Golf</b>								
<b>Laundry Room</b>								
Background (N. of Bldg)	0	0	0	20.8	0	0	0	20.8
Breathing Zone of Basement	38	0	0	20.7	5	0	0	20.8
Southwest Corner of Basement	28	0	0	20.7	0.5	0	0	20.8
Southeast Corner of Basement	36	0	0	20.7	0.5	0	0	20.8
Northwest Corner of Basement	28	0	0	20.7	0.5	0	0	20.8
Northeast Corner of Basement	28	0	0	20.7	0.5	0	0	20.8
Sump (No pump installed)	52	0	0	20.7	55	0	0	20.8
<b>Sign Making Room</b>								
Breathing Zone of Basement	28	0	0	20.7	1	0	0	20.8
Southwest Corner of Basement	28	0	0	20.7	1	0	0	20.8
Southeast Corner of Basement	28	0	0	20.7	1	0	0	20.8
Northwest Corner of Basement	26	0	0	20.7	1	0	0	20.8
Northeast Corner of Basement	28	0	0	20.7	1	0	0	20.9
Crack in Floor (Center)	41	0	0	20.7	2.5	0	0	20.9
Floor Drain (Blocked)	38	0	0	20.7	200	1	0	20.9
<b>1425 W Golf</b>								
Background (N. of Bldg)	0	0	0	20.6	0	0	0	20.8
Breathing Zone of Basement	56	0	0	20.7	15	0	0	20.8
Southwest Corner of Basement	55	0	0	20.7	12	0	0	20.8
Southeast Corner of Basement	78	0	0	20.7	32	0	0	20.7
Northwest Corner of Basement	49	0	0	20.6	13	0	0	20.7
Northeast Corner of Basement	54	0	0	20.7	14	0	0	20.7
Top of Sump	490	2	0	20.7	140	0	0	20.7
Crack in Floor Near Southeast Corner	105	1	0	20.7	155	1	0	20.7
Crack in Floor of Workroom (North)	90	1	0	20.7	62	1	0	20.7
Floor Drain (blocked)	105	1	0	20.7	150	1	0	20.7
<b>1431 W Golf</b>								
Background (S. of Bldg)	0	0	0	20.6	0	0	0	20.8
Breathing Zone of Basement	10	0	0	20.7	5	0	0	20.8
Southwest Corner of Basement	8	0	0	20.7	5	0	0	20.8
Southeast Corner of Basement	8	0	0	20.7	5	0	0	20.8
Northwest Corner of Basement	6	0	0	20.7	2	0	0	20.8
Northeast Corner of Basement	6	0	0	20.7	2	0	0	20.8
Top of Sump (SW corner)	8	0	0	20.7	7	0	0	20.8
Shower Drain	6	0	0	20.7	14	0	0	20.8
Sink Drain	3	0	0	20.7	14	0	0	20.8
Toilet	3	0	0	20.7	13	0	0	20.8
<b>1451 W Golf Road</b>								
Background (S. of Bldg)	0	0	0	20.7	0	0	0	20.8
Breathing Zone of Basement	370	3	0	20.5	240	2	0	20.7
Southwest Corner of Basement	380	2	0	20.6	160	2	0	20.7
Southeast Corner of Basement	400	3	0	20.6	280	2	0	20.7
Northwest Corner of Basement	460	3	0	20.6	340	2	0	20.7
Northeast Corner of Basement	400	3	0	20.5	290	2	0	20.7
Top of Sump (south wall)	>1000	13	0	20.5	>1000	2	0	20.7
Crack in Floor (Center of Basement)	>1000	40	0	20.1	800	3	0	20.7
Crack in Floor (West End)	320	2	0	20.6	>1000	6	0	20.4
Floor Drain	>1000	13	0	20.5	590	2	0	20.5

Notes:  
 NM= Not Measured  
 \* = Not Measured because monitoring point could not be located  
 \*\* = Not Measured due to access problem.

Table 2  
Basement Screening Results  
1401 Through 1451 West Golf Road Building  
Waukegan, Illinois

LOCATION	July 13, 1994				July 21, 1994		
	FID (ppm unless noted otherwise)	CGI			FID (ppm unless noted otherwise)	CGI	
		LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)		LEL (Percent)	HYDROGEN SULFIDE (ppm)
<b>1401 W Golf</b>							
Background (N. of Bldg)	0	0	0	20.6	NM	NM	NM
Breathing Zone of Basement	0.6	0	0	20.6	NM	NM	NM
Southwest Corner of Basement	0.8	0	0	20.6	NM	NM	NM
Southeast Corner of Basement	0.6	0	0	20.6	NM	NM	NM
Northwest Corner of Basement	0.6	0	0	20.6	NM	NM	NM
Northeast Corner of Basement	0.6	0	0	20.6	NM	NM	NM
Top of Sump	0.4	0	0	20.6	NM	NM	NM
Sink Drain	0.6	0	0	20.6	NM	NM	NM
Toilet Drain (Plugged)	0.6	0	0	20.6	NM	NM	NM
Shower Drain (Plugged)	0.4	0	0	20.6	NM	NM	NM
Sauna Drain (Rag Stuffed in Drain)	0.4	0	0	20.6	NM	NM	NM
Crack in floor (NE corner, AS-1)	0.3	0	0	20.6	NM	NM	NM
Crack in floor (north of sump, AS-2)	0.6	0	0	20.6	NM	NM	NM
<b>1407 W Golf</b>							
Background (N. of Bldg)	0	0	0	20.6	NM	NM	NM
Breathing Zone of Basement	1.2	0	0	20.6	NM	NM	NM
Southwest Corner of Basement	1.4	0	0	20.6	NM	NM	NM
Southeast Corner of Basement	1.6	0	0	20.6	NM	NM	NM
Northwest Corner of Basement	1.2	0	0	20.6	NM	NM	NM
Northeast Corner of Basement	1.2	0	0	20.6	NM	NM	NM
Top of Sump	1.3	0	0	20.6	NM	NM	NM
Crack in Floor Near N. Wall (Center)	1.2	0	0	20.6	NM	NM	NM
Crack in Floor at S. Wall	2	0	0	20.6	NM	NM	NM
Floor Drain	NM	NM	NM	NM	NM	NM	NM
<b>1415 &amp; 1419 W Golf</b>							
<b>Laundry Room</b>							
Background (N. of Bldg)	0	0	0	20.5	NM	NM	NM
Breathing Zone of Basement	1.1	0	0	20.5	NM	NM	NM
Southwest Corner of Basement	1.1	0	0	20.5	NM	NM	NM
Southeast Corner of Basement	1.2	0	0	20.5	NM	NM	NM
Northwest Corner of Basement	1	0	0	20.5	NM	NM	NM
Northeast Corner of Basement	1.1	0	0	20.5	NM	NM	NM
Sump (No pump installed)	1.8	0	0	20.5	NM	NM	NM
<b>Sign Making Room</b>							
Breathing Zone of Basement	2.3	0	0	20.5	NM	NM	NM
Southwest Corner of Basement	2.6	0	0	20.5	NM	NM	NM
Southeast Corner of Basement	3.2	0	0	20.5	NM	NM	NM
Northwest Corner of Basement	2.2	0	0	20.5	NM	NM	NM
Northeast Corner of Basement	2.1	0	0	20.5	NM	NM	NM
Crack in Floor (Center)	4	0	0	20.5	NM	NM	NM
Floor Drain (Blocked)	200	0	0	20.5	NM	NM	NM
<b>1425 W Golf</b>							
Background (N. of Bldg)	0	0	0	20.6	NM	NM	NM
Breathing Zone of Basement	19	0	0	20.6	NM	NM	NM
Southwest Corner of Basement	28	0	0	20.6	NM	NM	NM
Southeast Corner of Basement	32	0	0	20.6	NM	NM	NM
Northwest Corner of Basement	19	0	0	20.6	NM	NM	NM
Northeast Corner of Basement	21	0	0	20.6	NM	NM	NM
Top of Sump	180	0-1	0	20.6	NM	NM	NM
Crack in Floor Near Southeast Corner	45	0	0	20.6	NM	NM	NM
Crack in Floor of Workroom (North)	45	0	0	20.6	NM	NM	NM
Floor Drain (blocked)	>1000	35	0	20.6	NM	NM	NM
<b>1431 W Golf</b>							
Background (S. of Bldg)	0	0	0	20.6	NM	NM	NM
Breathing Zone of Basement	3.8	0	0	20.6	NM	NM	NM
Southwest Corner of Basement	1.6	0	0	20.6	NM	NM	NM
Southeast Corner of Basement	2.0	0	0	20.6	NM	NM	NM
Northwest Corner of Basement	4.4	0	0	20.6	NM	NM	NM
Northeast Corner of Basement	4.4	0	0	20.6	NM	NM	NM
Top of Sump (SW corner)	27	0	0	20.6	NM	NM	NM
Shower Drain	9	0	0	20.6	NM	NM	NM
Sink Drain	7.5	0	0	20.6	NM	NM	NM
Toilet	12	0	0	20.6	NM	NM	NM
<b>1451 W Golf Road</b>							
Background (S. of Bldg)	0	0	0	20.5	0	0	0
Breathing Zone of Basement	210	1	0	20.5	305	2	0
Southwest Corner of Basement	160	1	0	20.5	250	2	0
Southeast Corner of Basement	210	1	0	20.5	305	2	0
Northwest Corner of Basement	210	1	0	20.5	390	2	0
Northeast Corner of Basement	260	1	0	20.5	305	2	0
Top of Sump (south wall)	>1000	3-4	0	20.5	>1000	5	0
Crack in Floor (Center of Basement)	>1000	8	0	20.5	>1000	13	0
Crack in Floor (West End)	140(1)	1	0	20.4	305	2	0
Floor Drain	380-420	1	0	20.4	700	3	0

Notes:  
 NM= Not Measured  
 \* = Not Measured because monitoring point could not be located  
 \*\* = Not Measured due to access problem.

Notes:  
 (1) 1451 South Wall crack covered with water.  
 (2) Completed monitoring with Om Patel of Weston. Om recorded readings. JJD copied results to this sheet.

**Golder Associates Inc.**

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**YEOMAN CREEK/EDWARDS FIELD LANDFILLS RI/FS  
MONTHLY PROGRESS REPORT  
FOR JUNE 1994**

Submitted to:

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

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July 1994

933-8136.07



## MONTHLY PROGRESS REPORT

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TO: U.S.EPA/IEPA  
FROM: Golder Associates Inc.  
RE: YEOMAN CREEK/EDWARDS FIELD LANDFILLS RI/FS  
MONTHLY PROGRESS REPORT FOR JUNE 1994

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This thirty-fifth 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 June 1, 1994 to June 30, 1994.

### RI/FS ACTIVITIES

#### Field Activities

The monthly site inspection was conducted on June 23, 1994. 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 in the secure storage areas 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. There was no evidence of damage to the perimeter fence at either landfill. One sign along the east side of the fence at Yeoman Creek Landfill was missing. However, since this particular sign is regularly vandalized, we recommend not replacing it.

Golder Associates is currently awaiting access to the Lovinger property on the north side of the Yeoman Creek Landfill in order to complete fence relocation at the Site. It is our understanding that IEPA is attempting to provide access for the fence relocation.

Pursuant to the second amendment to the Administrative Order on Consent, monitoring of the Evoy property at 2122 Yeoman Street and the Terrace Nursing Home property continued in June 1994. Monitoring results are provided on Table 1.

Construction of an Air-Exchange and Ventilation System (AEVS) at the 1401 through 1451 West Golf Road building was completed in June 1994. On June 10, 1994, U.S. EPA performed the Prefinal Inspection for the AEVS. After the inspection, U.S. EPA provided a punchlist of items necessary to complete the project. The construction contractor for the project began work on completing punchlist items on June 10, 1994. On June 16, 1994, the AEVS began operation. Weekly air monitoring in the basements of the 1401 through 1451 West Golf Road building began on June 23, 1994. Monitoring results are provided in Table 2.

#### Deliverables and Correspondence

On June 10, 1994, Golder Associates received a letter from U.S. EPA regarding start-up and operation of the AEVS.

On June 14, 1994, Golder Associates and ICF Kaiser submitted the revised portions of the Final RI Report to U.S. EPA/IEPA.

On June 17, 1994, Golder Associates received a letter from U.S. EPA dated June 15, 1994 requesting additional information for the Baseline Risk Assessment.

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On June 21, 1994, Golder Associates received a letter dated June 16, 1994 that provided U.S. EPA's Prefinal Inspection Report for the AEVS.

On June 24, 1994, Golder Associates received a letter from U.S. EPA regarding the use of monitoring well MW-208 in the RI Report and data screening methods used in the Baseline Risk Assessment.

On June 28, 1994, Golder Associates received U.S. EPA/IEPA comments to the Draft FS Report. Based on this receipt date, the Final FS Report must be submitted to U.S. EPA/IEPA no later than August 26, 1994.

On June 29, 1994, Golder Associates sent a letter to U.S. EPA regarding our intention to remove a small portion of negative pressure piping from basement unit 1423/1425 at the 1401 through 1451 West Golf Road building.

#### WORK PROPOSED FOR THE NEXT REPORTING PERIOD (JULY)

RI/FS activities expected to begin or continue in July 1994 include:

- Completion of punchlist items for the AEVS and Final Inspection of the AEVS.
- Submission of the Operation and Maintenance Plan for the AEVS at the 1401 through 1451 West Golf Road building.
- Revise the Draft FS Report to incorporate U.S. EPA/IEPA comments.
- Prepare the Construction Completion Report for the AEVS.
- Submission of response to RI comments.

(36077439.wp1/srh)

Table 1  
Monthly Site Inspection Air Monitoring Results  
Yeoman Creek/Edwards Field Landfills RI/FS

Monitoring Location	Date	February 28, 1994			March 17, 1994			April 15, 1994			May 19, 1994			June 23, 1994		
		CGI(1) %LEL	FID(2) % Oxygen	FID(2) (ppm)	CGI %LEL	FID % Oxygen	FID (ppm)	CGI %LEL	FID % Oxygen	FID (ppm)	CGI %LEL	FID % Oxygen	FID (ppm)	CGI %LEL	FID % Oxygen	FID (ppm)
2122 Yeoman Street (Evoy Property)		NM(5)	NM(5)													
Background			0.0	0.0	20.8	0.0 to 3.0	0.0	20.8	0.0	0.0	20.8	4.5	0.0	20.8	0.0	
Sump (SW corner)			0.0	0.0	20.8	1.0	0.0	20.8	22.0	0.0	20.8	4.8	0.0	20.8	0.0	
Floor Drain SW corner			0.0	0.0	20.8	1.0	0.0	20.8	0.5	0.0	20.7	4.5	0.0	20.9	0.0	
Entrance to crawl space			0.0	0.0	20.8	1.5	0.0	20.8	0.5	0.0	20.7	6.4	0.0	20.9	1.0	
Floor/wall joints																
North wall			0.0	0.0	20.8	1.5 to 2.0	0.0	20.8	0.5	0.0	20.7	4.5	0.0	20.9	0.0	
South wall			0.0	0.0	20.8	1.0 to 2.0	0.0	20.8	0.5	0.0	20.6	4.7	0.0	20.9	0.0	
East wall			0.0	0.0	20.8	1.5 to 2.0	0.0	20.8	0.5	0.0	20.7	4.5	0.0	20.9	0.0	
West wall			0.0	0.0	20.8	1.0 to 2.0	0.0	20.8	0.5	0.0	20.7	4.5	0.0	20.9	0.0	
1615 Sunset Avenue (Terrace Nursing Home)		NM(3)	NM(3)	NM(3)												
Background				0.0	20.8	0.0 to 1.0	0.0	20.8	0.0	0.0	20.8	0.0	0.0	20.8	0.0	
Laundry Room																
Ambient Air				0.0	21.0	12.0	0.0	20.9	2.8	0.0	20.7	3.5	0.0	21.0	0.0	
Crack in floor (E-W @ E)				0.0	21.0	90.0	0.0	20.8	3.6	0.0	20.7	3.5	0.0	21.0	2.0	
Crack in floor (N-S @ S)				0.0	21.0	40.0	0.0	20.8	4.0	0.0	20.7	3.5	0.0	21.0	0.0	
Floor drain (East)				0.0	20.8	10.0	0.0	20.8	2.8	0.0	20.7	5.6	0.0	21.0	0.0	
Floor drain (West)				0.0	20.8	10.0	0.0	20.7	2.0	0.0	20.7	2.9	0.0	21.0	0.0	
Linen Room																
Ambient Air				0.0	20.8	10.0	0.0	20.8	4.0	0.0	20.7	1.8	0.0	21.0	0.0	
Cracks in concrete																
Mid room, N-S @ S				0.0	20.8	10.0	0.0	20.8	5.8	0.0	20.7	1.4	0.0	21.0	0.0	
East end, N-S @ center				0.0	20.8	10.0	0.0	20.8	5.2	0.0	20.7	1.8	0.0	21.0	0.0	
East wall, @ breathing zone				0.0	20.8	12.0	0.0	20.8	1.0	0.0	20.7	1.8	0.0	21.0	0.0	
Medical records room(Ambient Air)				0.0	20.8	0.0	0.0	20.8	5.2	0.0	20.8	2.2	0.0	21.0	0.0	
Lunch Room(Ambient Air)				0.0	20.8	0.5	0.0	20.8	3.0	NM(6)	NM(6)	NM(6)	NM(6)	NM(6)	NM(6)	
Maintenance room(Ambient Air)				0.0	20.8	0.0	0.0	20.9	5.8	0.0	20.7	1.4	1.0	20.8	0.0	
Boiler room																
Ambient Air				0.0	20.8	0.0	0.0	20.9	3.4	0.0	20.8	0.6	0.0	20.8	0.0	
Floor drain				0.0	20.8	0.0	0.0	20.9	3.4	0.0	20.8	0.4	1.0	20.8	0.0	
Hair Salon(Ambient Air)				0.0	21.0	14.0	0.0	20.9	4.8	0.0	20.8	9.0	0.0	20.9	0.0	
North office(Ambient Air)				0.0	20.8	0.0	0.0	20.9	2.9	0.0	20.8	1.5	1.0	20.9	0.0	
Activities room																
Ambient Air				0.0	20.8	0.0	0.0	20.9	2.4	0.0	20.8	4.2	1.0	20.9	0.0	
Floor drain				0.0	20.8	0.0	0.0	20.8	55.0	0.0	20.8	2.4	1.0	20.9	0.0	
Physiotherapy(Ambient Air)				0.0	20.8	0.0	0.0	20.9	2.6	0.0	20.8	2.0	0.0	20.9	0.0	
Lounge(Ambient Air)				0.0	20.8	0.5	0.0	20.9	1.8	0.0	20.9	1.5	0.0	20.9	0.0	
South office(Ambient Air)				NM	NM	NM	0.0	20.9	3.2	0.0	20.8	1.8	1.0	20.9	0.0	
South caged storage area (Ambient Air)				0.0	20.8	0.0	0.0	20.9	2.0	0.0	20.9	2.1	0.0	20.9	0.0	
Activities office(Ambient Air)				0.0	20.8	0.0	0.0	20.9	1.2	0.0	20.8	4.2	1.0	20.9	0.0	
Vending room(Ambient Air)				0.0	20.9	0.0	0.0	20.9	3.2	0.0	20.9	1.8	1.0	20.9	0.0	
NW lunch room(Ambient Air)				0.0	21.0	0.0	0.0	20.9	3.2	0.0	20.9	2.0	0.0	20.9	0.0	
North caged storage area(Ambient Air)				0.0	20.8	0.0	0.0	20.9	2.0	0.0	20.9	1.6	1.0	20.9	0.0	
Duct room(Ambient Air)				0.0	20.8	1.0	0.0	20.9	3.2	0.0	20.9	2.0	0.0	20.9	0.0	
Open storage(Ambient Air)				0.0	20.8	0.0	0.0	20.9	2.0	0.0	20.9	2.0	1.0	20.9	0.0	
Sump room																
Sump				0.0	20.8	0.0 to 2.0	0.0	20.9	120.0	0.0	20.8	7.0	0.0	20.9	420.0	
Ambient Air				0.0	20.8	0.0 to 1.0	0.0	20.9	3.4	0.0	20.8	1.8	0.0	20.9	0.0	

1 CGI - Combustible Gas Indicator  
 2 FID - Flame Ionization Detector  
 3 During the February 28, 1994 inspection, access to 1615 Sunset Avenue could not be obtained  
 4 NM - Not Measured  
 5 CGI readings during the February 28, 1994 inspection could not be obtained due to malfunctioning equipment  
 6 Key to room was not available on-site and therefore the room was not accessible

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Table 2  
Basement Screening Results  
1401 Through 1451 West Golf Road Building  
Waukegan, Illinois

LOCATION	June 23, 1994				June 28, 1994			
	FID (ppm unless noted otherwise)	CGI			FID (ppm unless noted otherwise)	CGI		
		LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)		LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)
<b>1401 W Golf</b>								
Background (N. of Bldg)	0	**	0	20.8	0	0	0	20.8
Breathing Zone of Basement	0	**	0	21	42	1	0	20.1
Southwest Corner of Basement	0	**	0	21	50	1	0	20.7
Southeast Corner of Basement	0	**	0	21	68	1	0	20.8
Northwest Corner of Basement	0	**	0	21	58	0	0	20.8
Northeast Corner of Basement	0	**	0	21	70	1	0	20.7
Top of Sump	0	**	0	21	60	1	0	20.8
Sink Drain	0	**	0	21	42	1	0	20.8
Toilet Drain (Plugged)	0	**	0	21	40	1	0	20.8
Shower Drain (Plugged)	0	**	0	21	70	0	0	20.7
Sauna Drain (Rag Stuffed in Drain)	0	**	0	21	65	0	0	20.7
Crack in floor (NE corner, AS-1)	0	**	0	21	>1000	22	0	20.6
Crack in floor (north of sump, AS-2)	0	**	0	21	>1000	22	0	20.6
<b>1407 W Golf</b>								
Background (N. of Bldg)	**	**	**	**	0	0	0	20.8
Breathing Zone of Basement	**	**	**	**	6	0	0	20.8
Southwest Corner of Basement	**	**	**	**	7	0	0	20.8
Southeast Corner of Basement	**	**	**	**	9	0	0	20.8
Northwest Corner of Basement	**	**	**	**	10	0	0	20.8
Northeast Corner of Basement	**	**	**	**	7	0	0	20.8
Top of Sump	**	**	**	**	26	0	0	20.7
Crack in Floor Near N. Wall (Center)	**	**	**	**	12	0	0	20.9
Crack in Floor at S. Wall	**	**	**	**	21	0	0	20.9
Floor Drain	**	**	**	**				
<b>1415 &amp; 1419 W Golf</b>								
<b>Laundry Room</b>								
Background (N. of Bldg)	0	**	0	20.8	0	0	0	21
Breathing Zone of Basement	0	**	0	20.8	4	0	0	20.9
Southwest Corner of Basement	0	**	0	20.8	4	1	0	20.9
Southeast Corner of Basement	0	**	0	20.8	4	1	0	20.9
Northwest Corner of Basement	0	**	0	20.8	4	1	0	20.9
Northeast Corner of Basement	0	**	0	20.8	4	0	0	20.9
Sump (No pump installed)	0	**	0	20.8	4	1	0	20.9
<b>Sign Making Room</b>								
Breathing Zone of Basement	**	**	**	**	16	0	0	21
Southwest Corner of Basement	**	**	**	**	16	1	0	21
Southeast Corner of Basement	**	**	**	**	18	1	0	21
Northwest Corner of Basement	**	**	**	**	16	1	0	21.1
Northeast Corner of Basement	**	**	**	**	18	1	0	21
Crack in Floor (Center)	**	**	**	**	70	1	0	21
Floor Drain (Blocked)	**	**	**	**	150	1	0	21
<b>1425 W Golf</b>								
Background (N. of Bldg)	0	**	0	20.8	0	0	0	20.8
Breathing Zone of Basement	4	**	0	20.8	32	1	0	20.7
Southwest Corner of Basement	1	**	0	20.8	32	1	0	20.7
Southeast Corner of Basement	0	**	0	20.8	50	1	0	20.7
Northwest Corner of Basement	7	**	0	20.8	30	1	0	20.7
Northeast Corner of Basement	5	**	0	20.8	34	1	0	20.7
Top of Sump	1	**	0	20.8	280	1	0	20.7
Crack in Floor Near Southeast Corner	0	**	0	20.8	40	1	0	20.7
Crack in Floor of Workroom (North)	36	**	0	20.8	160	1	0	20.7
Floor Drain (blocked)	*	*	*	*	170	1	0	20.7
<b>1431 W Golf</b>								
Background (S. of Bldg)	**	**	**	**	0	0	0	20.8
Breathing Zone of Basement	**	**	**	**	0	0	0	20.8
Southwest Corner of Basement	**	**	**	**	5	1	0	20.8
Southeast Corner of Basement	**	**	**	**	6	1	0	20.8
Northwest Corner of Basement	**	**	**	**	1	0	0	20.8
Northeast Corner of Basement	**	**	**	**	1	0	0	20.8
Top of Sump (SW corner)	**	**	**	**	6	1	0	20.8
Shower Drain	**	**	**	**	4	0	0	20.8
Sink Drain	**	**	**	**	7	0	0	20.8
Toilet	**	**	**	**	5	0	0	20.8
<b>1451 W Golf Road</b>								
Background (S. of Bldg)	**	**	**	**	0	0	0	20.8
Breathing Zone of Basement	**	**	**	**	320	3	0	20.6
Southwest Corner of Basement	**	**	**	**	380	4	0	20.7
Southeast Corner of Basement	**	**	**	**	320	3	0	20.8
Northwest Corner of Basement	**	**	**	**	450	4	0	20.7
Northeast Corner of Basement	**	**	**	**	320	3	0	20.8
Top of Sump (south wall)	**	**	**	**	400->1000	3	0	20.7
Crack in Floor (Center of Basement)	**	**	**	**	540	3	0	20.8
Crack in Floor (West End)	**	**	**	**	>1000	10	0	20.7
Floor Drain	**	**	**	**	>1000	8	0	20.7

Notes:  
 NM= Not Measured  
 \* = Not Measured because monitoring point could not be located  
 \*\* = Not Measured due to access problem

Table 2  
Basement Screening Results  
1401 Through 1451 West Golf Road Building  
Waukegan, Illinois

LOCATION	June 29, 1994				June 30, 1994			
	FID (ppm unless noted otherwise)	CGI			FID (ppm unless noted otherwise)	CGI		
		LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)		LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)
<b>1401 W Golf</b>								
Background (N. of Bldg)	**	**	**	**	0	0	0	20.8
Breathing Zone of Basement	**	**	**	**	0	0	0	20.8
Southwest Corner of Basement	**	**	**	**	0	0	0	21
Southeast Corner of Basement	**	**	**	**	0	0	0	20.8
Northwest Corner of Basement	**	**	**	**	0	0	0	21
Northeast Corner of Basement	**	**	**	**	0	0	0	21
Top of Sump	**	**	**	**	0	0	0	20.8
Sink Drain	**	**	**	**	0	0	0	20.8
Toilet Drain (Plugged)	**	**	**	**	0	0	0	20.8
Shower Drain (Plugged)	**	**	**	**	0	0	0	21
Sauna Drain (Reg Stuffed in Drain)	**	**	**	**	0	0	0	21
Crack in floor (NE corner, AS-1)	**	**	**	**	0	0	0	21
Crack in floor (north of sump, AS-2)	**	**	**	**	0	0	0	21
<b>1407 W Golf</b>								
Background (N. of Bldg)	0	0	0	20.8	0	0	0	20.8
Breathing Zone of Basement	1	0	0	20.9	1	0	0	20.8
Southwest Corner of Basement	0.5	0	0	20.9	0	0	0	20.8
Southeast Corner of Basement	0.5	0	0	20.9	0	0	0	20.8
Northwest Corner of Basement	0.5	0	0	20.9	0	0	0	20.8
Northeast Corner of Basement	0.7	0	0	20.9	0	0	0	20.8
Top of Sump	2	0	0	20.9	0	0	0	20.8
Crack in Floor Near N. Wall (Center)	0.5	0	0	20.9	0	0	0	20.8
Crack in Floor at S. Wall	1	0	0	20.9	0	0	0	20.8
Floor Drain					NM	NM	NM	NM
<b>1415 &amp; 1419 W Golf</b>								
<b>Laundry Room</b>								
Background (N. of Bldg)	1	0	0	20.8	1	0	0	20.8
Breathing Zone of Basement	0.5	0	0	20.8	3.5	0	0	20.8
Southwest Corner of Basement	0.5	0	0	20.8	3.5	0	0	20.8
Southeast Corner of Basement	0.5	0	0	20.8	2.4	0	0	20.8
Northwest Corner of Basement	0.5	0	0	20.8	2.5	0	0	20.8
Northeast Corner of Basement	0.5	0	0	20.8	2.5	0	0	20.8
Sump (No pump installed)	0.5	0	0	20.8	3.5	0	0	20.8
<b>Sign Making Room</b>								
Breathing Zone of Basement	6	0	0	20.8	4	0	0	20.8
Southwest Corner of Basement	6	0	0	20.8	5.2	0	0	20.8
Southeast Corner of Basement	5.6	0	0	20.8	4.2	0	0	20.8
Northwest Corner of Basement	5.6	0	0	20.8	4.7	0	0	20.8
Northeast Corner of Basement	5.4	0	0	20.8	4.2	0	0	20.8
Crack in Floor (Center)	6	0	0	20.8	4	0	0	20.8
Floor Drain (Blocked)	30	0	0	20.8	35	0	0	20.8
<b>1425 W Golf</b>								
Background (N. of Bldg)	0	0	0	20.8	0	0	0	20.8
Breathing Zone of Basement	5.6	0	0	20.9	7	0	0	20.9
Southwest Corner of Basement	3	0	0	20.8	7	0	0	20.9
Southeast Corner of Basement	7.8	0	0	20.9	7	0	0	20.9
Northwest Corner of Basement	3.4	0	0	20.8	7	0	0	20.9
Northeast Corner of Basement	5	0	0	20.8	2	0	0	20.9
Top of Sump	60	1	0	20.8	7	0	0	20.9
Crack in Floor Near Southeast Corner	13	0	0	20.9	10	0	0	20.9
Crack in Floor of Workroom (North)	26	0	0	20.9	15	0	0	20.9
Floor Drain (blocked)	60	0	0	20.9	55	0	0	20.8
<b>1431 W Golf</b>								
Background (S. of Bldg)	0	0	0	20.8	0	0	0	20.8
Breathing Zone of Basement	1	0	0	20.8	1	0	0	20.8
Southwest Corner of Basement	0.1	0	0	20.8	1	0	0	20.8
Southeast Corner of Basement	0.6	0	0	20.8	1	0	0	20.8
Northwest Corner of Basement	0.6	0	0	20.8	1	0	0	20.8
Northeast Corner of Basement	0.8	0	0	20.8	1	0	0	20.8
Top of Sump (SW corner)	1.2	0	0	20.8	2	0	0	20.8
Shower Drain	1.2	0	0	20.8	6	0	0	20.8
Sink Drain	1.2	0	0	20.8	2	0	0	20.8
Toilet	2.2	0	0	20.8	4	0	0	20.8
<b>1451 W. Golf Road</b>								
Background (S. of Bldg)	0	0	0	20.8	0	0	0	20.8
Breathing Zone of Basement	360	2	0	20.7	300	2	0	20.8
Southwest Corner of Basement	320	3	0	20.7	300	1	0	20.8
Southeast Corner of Basement	360	3	0	20.7	380	2	0	20.7
Northwest Corner of Basement	480	3	0	20.7	410	2	0	20.8
Northeast Corner of Basement	350	2	0	20.7	300	2	0	20.7
Top of Sump (south wall)	>1000	14	0	20.6	>1000	1	0	20.8
Crack in Floor (Center of Basement)	>1000	28	0	20.6	>1000	42	0	20.5
Crack in Floor (West End)	>1000	12	0	20.6	>1000	12	0	20.5
Floor Drain	>1000	4	0	20.6	>1000	8	0	20.7

Notes:  
 NM= Not Measured  
 \* = Not Measured because monitoring point could not be located  
 \*\* = Not Measured due to access problem.