Golder Associates Inc.

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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

TO: USEPA/IEPA

FROM: Golder Associates Inc.

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

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 Waukenan Illinois

							Wai	ukegan, Illi	nois									
Date	Eat	bruary 28, 1	994	N-1	rch 17, 1	994		April 15, 1	994		May 19, 1	994	.1	lune 23, 19	994		July 22, 1	994
Monitoring	FID		GI	FID		CGI	FID		CGI	FID		CGI	FID		CGI	FID		CGI
Location		%LEL		(ppm)	SLEL	%Oxygen	(ppm)		%Oxygen	(ppm)		%Oxygen	(ppm)		%Oxygen	(ppm)		%Oxyge
Location	(ppm)	ALCL	%Oxygen	(ppm)	ALEL	NOXY Dell	(ppin)		NOXYGEN	(ppin)	ALLL	ACAygen	(ppin)	781.LL		(ppin)	ALLL	ACXYVE
2122 Yeoman Street		NM(5)	NM(5)										_					
(Evoy Property)		(0)																
Background	0.0			0.0 to 3.0	0.0	20.8	00	0.0	20.8	4.5	0.0	20.8	00	0.0	20.8	00	0.0	20.2
Sump (SW corner)	0.0			1.0	00	20.8	22 0	0.0	20.8	4.8	00	20.8	00	0.0	20.8	32	00	20 2
Floor Drain SW corner)	0.0			10	õõ	20.8	0.5	00	20.8	4.5	00	207	0.0	00	20 9	0.0	õõ	20 2
Entrance to crawl space	0.0			15	00	20.8	0.5	00	20.8	64	00	20 7	10	00	20 9	0.0	00	20 3
Floor/wall joints:	•••							••		•••								
North wall	0.0			15 to 20	00	20.8	05	0.0	20.8	45	00	20 7	00	00	20 9	21	00	20 4
South wall	0.0			10 to 20	00	20.8	0.5	00	20.8	47	ŏŏ	20.6	00	00	20.9	14	õõ	20 5
East wall	00			15 to 20	00	20.8	05	0.0	20.8	4.5	00	207	00	00	20.9	1.8	00	20 5
West wall	0.0			1 0 to 2 0	00	20.8	05	00	20.8	45	00	207	0.0	00	20.9	1.8	00	20 5
						200		•••										
1615 Sunset Avenue	NM(3)	NM(3)	NM(3)															
(Terrace Nursing Home)				0.04	• •	20.0		~ ~	22.0		~ ~	20.0		~ ~	20.0		~ ~	20.0
Background				0.0 to 1.0	0.0	20.8	0.0	0.0	20.8	00	00	20 8	00	00	20 8	00	00	20 3
Laundry Room Ambient Air				120	00	21 0	28	00	20 9	35	00	20 7	00	00	21.0	22	0.0	20 4
				120			36	00									00	
Crack in floor (E-W @ E)				900	00	210	40		20 8 20 8	35 35	00	20 7 20 7	20	00	21.0	10	00	20 3 20 2
Crack in floor (N-S Q S)				100	00	210	28	00	208	56	0.0	207	0.0	00	21 0 21 0	13	00	20 2
Floor drain (East)				100	00	20 8 20 8	2.0	0.0	20.8	29	0.0	20.7	0.0	00	210	68	00	20.3
Floor drain (West) Linen Room:				100	00	£0.0	2.0	0.0	20.7	29	00	207	0.0	00	210	00	00	20.2
Ambient Air				10.0	0.0	20 8	40	00	20 8	18	00	20 7	00	00	21.0	06	00	20 2
Cracks in concrete.				100	0.0	20.0	1.0	00	20.0	10	00	207	00	00	210	00	00	20 2
Mid room, N-S Q S				10 0	00	20.8	58	00	20 8	14	00	20 7	00	00	210	00	00	20.2
East end, N-S @ center				100	õõ	20.8	52	õõ	20.8	18	00	207	00	00	210	05	00	20 2
East wall, @ breathing zone				120	00	20.8	10	00	20.8	18	00	207	00	00	21.0	őő	00	20 2
Medical records room(Ambient Air)				00	00	20.8	52	00	20.8	22	00	20.8	00	õõ	21.0	00	00	20.3
Lunch Room(Ambient Air)				0.5	00	20.8	3.0	0.0	20.8	NM(6)	NM(6)	NM(6)	NM(6)	NM(6)	NM(6)	00	00	20 3
Maintenance room(Ambient Air)				00	0.0	20 8	58	00	20 9	1.4	00	20.7	0.0	1.0	20.8	00	10	20 3
Boiler room																		
Ambient Air				00	00	20 8	34	00	20 9	06	00	20.8	00	00	20 8	00	00	20.3
Floor drain				00	0.0	20 8	34	00	20.9	0.4	00	20.8	00	10	20.8	00	10	20 3
Hair Salon(Ambient Air)				140	00	21 0	4.8	0.0	20 9	90	00	20.8	00	00	20 9	00	00	20 4
North office(Ambient Air)				00	00	20 8	29	00	20 9	15	00	20 8	00	10	20 9	00	10	20 2
Activities room				00	00	20 8		00										
Ambient Air				00	00	20 8	2.4	00	20 9	4.2	00	20 8	00	10	20 9	00	10	20 3
Floor drain				00	00	20 8	55.0	00	20.8	24	00	20.6	0.0	10	20 9	00	10	20 2
Physiotherapy(Ambient Air)				00	00	20.8	26	00	20 9	20	00	20 8	00	00	20 9	00	00	20.2
Lounge(Ambient Air)				05	00	20.8	18	00	20 9	15	00	20 9	00	00	20 9	00	00	20 2
South office(Ambient Air)				NM	NM	NM	32	00	20 9	18	00	20 8	00	10	20 9	01	10	20 1
South caged storage area (Ambient Air)				00	00	20.8	20	00	20 9	21	00	20.9	00	00	20 9	00	00	20 2
Activities office(Ambient Air) Vending room(Ambient Air)				00	0.0	20.8	12	0.0	20.9	42	00	20.8	00	10	20 9	00	10	203 203
NW lunch room(Ambient Air)				00	0.0	20.9 21 0	3.2	0.0	20.9	1.8	0.0	20.9	00	10	20.9	00	10	20.3
North caged storage area(Ambient Air)					00	208	20	00	20.9	20	00	20.9	00	00	20 9	00	10	20.2
Duct room(Ambient Air)				1.0	00	20.8	32	00	20 9 20 9	16 20	00 00	20 9 20 9	00	1.0	20 9 20 9	00	00	20.3
Open Storage					00	20.0	3	00	20 9		00	20.9	0.0	00	20.9	00	00	202
Ambient Air				00	00	20.8	20	00	20 9	20	00	20 9	00	10	20 9	00	10	20 2
Floor drain						10.0	1	00	20.3	1	00	20.3		10	203	00	10	101
Sump room																		
Sump				001020	00	20.8	120.0	00	20 9	70	00	20.8	420 0	0.0	20.9	20.3	00	20 3
Ambient Air				00 to 10	00	20.8	3.4	0.0	20.9	18	00	20.8	00	õõ	20 9	00	00	20 2
	-	1 001.0	ombustible (as Indicato						•							~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	

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 y that available on-site and therefore the room was not accessible

7 Readings weak in it due to malfunctioning equipment

Date Monitoring Location 2122 Yeoman Street (Evoy Property) Background Sump (SW corner)	A FID (ppm) 0.0 4.0		1994 CGI %Oxy ge n	Sep FID (ppm)	tember 27 (%LEL	CGI	O FID (ppm)		. 1994(7) CGI	FID	lovember	18, 1994 CGI	f FID	November	23, 1994 CGI	ر FID	December	1, 1 994 CGI
Monitoring Location 2122 Yeoman Street (Evoy Property) Background	FID (ppm) 0.0	-	CGI	FID	(CGI	FID											
Location 2122 Yeoman Street (Evoy Property) Background	(ppm) 0.0																	
(Evoy Property) Background							WFF	701.22	%Oxygen	(ppm)	%LEL	%Oxygen	(ppm)	%LEL	%Oxygen	(ppm)		%Oxyger
(Evoy Property) Background																		
Background															ļ			
		~ ~				22.0	1766	•	20.0		0	24.7						
Sump (SW corner)	40	00	20 8	24	00	20 6	4.7-5.5	0	20 8	00	0	21.7	NM	NM	NM	NM	NM	NM
		00	20.8	2.2	00	20 6	513	1	20.8	4 0-50	0	21.8	NM	NM	NM	NM	NM	NM
Floor Drain SW corner)	3.6	0.0	20 9	22	00	20 6	48 2	1	20.8	54	0	218	NM	NM	NM	NM	NM	NM
Entrance to crawl space	4.8	0.0	20 8	22	00	206	97 6	0	20.8	75	0	215	NM	NM	NM	NM	NM	NM
Floor/wall joints																		
North wall	34	00	210	22	00	20 5	52	1	20.8	56	0	219	NM	NM	NM	NM	NM	NM
South wall	34	0.0	21.0	22	00	20 5	52.1	1	20 8	56	0	219	NM	NM	NM	NM	NM	NM
East wall	34	0.0	210	22	00	20 5	53 4	1	20.8	56	0	219	NM	NM	NM	NM	NM	NM
West wall	34	00	21 0	22	00	20 5	49 2	0	20 7	20 0	0	218	NM	NM	NM	NM	NM	NM
1615 Sunset Avenue																		
(Terrace Nursing Home)																		
Background	0.0	00	20.8	08	00	20 4	30	0	20.8	10	0	22 5	03	0	20.4	10	0	20 8
Laundry Room		. .	.					-	a		-		. -	_		_		
Ambient Air	1.8	00	21 0	08	00	20.4	60 5	0	20.8	37	0	22.5	03	0	20 5	70	0	20 8
Crack in floor (E-W Q E)	2.0	10	20 8	08	0.0	20.3	58 2	0	20.8	6.3	0	22 5	03	0	20 5	70	0	20 8
Crack in floor (N-S @ S)	18	10	20.8	08	00	20 3	74 1	1	20.7	63	0	22 5	03	0	20.5	70	0	20 8
Floor drain (East)	28 0	10	20.9	08	00	20 3	57 4	0	20.7	34	0	22 5	03	0	20.5	75	0	20.8
Floor drain (West)	1.4	00	20.9	08	00	20.3	64.3	0	20 7	33	0	22.5	0.3	0	20 5	50	0	208
Linen Room							ļ			ļ								
Ambient Air	26	00	20 9	08	00	20 3	55 1	0	20 7	32	0	22 6	03	0	20.1	50	0	20 8
Cracks in concrete						1												
Mid room, N-S 🙋 S	22	00	20 9	08	00	20 3	53 6	0	20 7	27	0	22 5	03	0	19.9	38	0	20 7
East end, N-S 🙋 center	24	00	20.8	08	00	20 2	50 5	0	20 7	31	0	22 5	03	0	19.9	45	0	20 7
East wall, @ breathing zone	28	00	20 9	07	00	20 2	50 5	0	20 6	43	0	22 6	03	0	19.9	45	0	207
Medical records room(Ambient Air)	03	00	210	80	00	20 4	68	0	206	18	0	22 3	02	0	20 2	28	0	20 5
Lunch Room(Ambient Air)	03	00	210	08	00	20 3	62 7	0	20 6	22	0	22 5	02	0	20 1	30	0	20 6
Maintenance room(Ambient Air)	06	00	210	08	00	20 4	89 1	0	20 7	14	0	22.3	03	0	20.1	00	0	20 6
Boiler room											-						-	
Ambient Air	00	10	21.0	07	00	20 5	52 1	0	20.6	13	0	22.4	02	0	20.6	0.0	0	20.6
Floor drain	00	00	210	0.8	00	20 5	45 2	0	20 6	12	0	22 4	02	Ō	20 6	00	Ō	20 6
Hair Salon(Ambient Air)	02	00	210	07	00	20 5	90.6	0	20 7	33	Ō	22 5	10	Ō	20 5	10	Ō	20 6
North office(Ambient Air)	03	00	21 0	07	00	20.4	62	ō	20.6	18	õ	22 6	03	õ	20 1	15	ō	20 5
Activities room				3			. –	_			-			-				••••
Ambient Air	04	00	21.0	07	00	20 4	65.8	0	20 6	20	0	22 6	NM	NM	NM	18	0	20.6
Floor drain	08	00	210	07	00	20.4	97 3	Ō	20.6	20	ō	22 6	NM	NM	NM	18	ō	20 5
Physiotherapy(Ambient Air)	07	00	210	0.6	00	20 4	65 8	ŏ	20 5	14	ŏ	22 5	03	0	19 9	15	ŏ	205
Lounge(Ambient Air)	06	õõ	20.9	06	00	20 4	61 2	ŏ	20 6	18	õ	22 5	03	0	20 0	18	0 0	20.5
South office(Ambient Air)	08	00	20 9	07	00	20 4	62 7	ŏ	20 5	22	ŏ	22 4	03	0	200	15	0	20.6
South caged storage area (Ambient Air)	07	00	20 9	0.5	00	20 3	103	ő	20 7	20	õ	22 5	02	Ő	19.9	15	Ő	20.5
Activities office(Ambient Air)	14	00	20.8	06	õõ	20.3	123	ő	20 6	21	0	22 5	03	Ő	20 0	15	ö	205
Vending room(Ambient Air)	1.0	00	20 9	03	00	20.2	85 4	õ	20 5	20	0	22 5	03	0	200	17	Ö	20.6
NW lunch room(Ambient Air)	0.6	00	20 9	03	00	20.2	82 4	ŏ	20.5	19	0	22 5	03	0	20.0	15	0	20.6
North caged storage area(Ambient Air)	06	00	20 9	02	00	204	951	0	20.8	15	0	22 5	02	0	20 1	15	0	20.6
Duct room(Ambient Air)	07	00	20 9	0.2	00	204	861	0	20.7	23	0		02	0			0	
Open Storage		00	20 9	0.2	00	20 4	[®] '	U	200	23	U	22 5	03	U	20 0	12	U	20 5
Open Storage Ambient Air	00	00	20 9	02	00	20 4	83.9	0	20.6	20	0	22.4	0.0	0	22.4	4.5	0	20.0
	5.0		209 209						206	20	0	22 4	03	0	20 1	12	0	206
Floor drain	5.0	0.0	20.9	02	00	20 3	1592	4	20.5	70	0	22 4	10	0	20 0	40	0	20 5
Sump room	70.0	0.0	20.0	0.0			10000	-			-							
Sump	703	00	20 9	05	0.0	20 4	1955	2	20.5	50	0	22 5	NM	NM	NM	20	0	20 5
Ambient Air	04	0.0	20.9 Combustible	0.4	00	20 4	861	0	20 7	20	0	22.5	NM	NM	<u> </u>	18	0	20.5

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

933 81.36

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

			Wa	ukegan, I	llinois							
		_		_								
Date		December			December			December			December	
Monitoring	FID		CGI	FID		CGI	FID		CGI	FID		CGI
Location	(ppm)	%LEL	%Oxygen	(ppm)	%LEL	%Oxygen	(ppm)	%LEL	%Oxygen	(ppm)	%LEL	%Oxygen
2122 Yeoman Street												
(Evoy Property)			NM	NM	NM	NM	0	0	20.8	0	0	20.8
Background	NM	NM NM	NM	NM	NM	NM NM	15-20	0	20.8	10	0	20.8
Sump (SW corner)	NM	NM	NM	NM	NM	NM	6	0	20.9	10	0	208
Floor Drain SW corner)	NM				NM	NM	5	0	20.8		0	210
Entrance to crawl space	NM	NM	NM	NM	NM	NM	5	U	20.9	1	U	210
Floor/well joints:	NM	NM	NM	NM	NM	NM	45	0	20.9	1	0	20 8
North well South well	NM	NM	NM	NM	NM	NM	45	0	20.6	l i	ŏ	21.0
East well	NM	NM	NM	NM	NM	NM	45	ŏ	20.9		ŏ	20.9
West well	NM	NM	NM	NM	NM	NM	220	o	20.8	3	ő	20 9
		1.1.00	1100	INM	IN M	11/04	220	U	20.0		Ŭ	210
1615 Sunset Avenue												
(Terrace Nursing Home)	ł									1		
Background	0	0	20.8	00	0	20.8	00	0	20.8	10	0	20 8
Laundry Room		_			_			-			-	
Ambient Air	4	0	20.8	50	0	20 6	62	0	20 7	100	0	20 9
Crack in floor (E-W Q E)	3	0	20.8	80	0	20 6	60	0	20.7	9.0	0	20.8
Crack in floor (N-S Q S)	75	0	20 8	12 0	0	20.6	90	0	20 7	80	0	20.8
Floor drain (East)	4	0	20 7	4.0	0	20.6	80	0	20 5	70	0	20.8
Floor drain (West)	4	0	20.8	40	0	20 6	50	0	20 6	60	0	208
Linen Room	1	0	20.6		~	20.6	6.0	•	20.4		^	20.0
Ambient Air	2.4	U	20.6	40	0	20 6	50	0	20 4	50	0	20 8
Cracks in concrete:	18	0	20 6	40	0	20 6	40	0	20 5	30	0	20.8
Mid room, N-S @ S East end, N-S @ center	2	0	20.6	40	0	20.6	50	0	20.5	4.4	0	20.8
East wall, @ breathing zone	2	ő	20.6	50	ő	20.6	5.0	0 0	20.5	47	0	20.9
Medical records room(Ambient Air)	7	Ö	20.6	23	ő	20.6	20	0 0	20.5	20	0	20 8
Lunch Room(Ambient Air)	23	Ö	20.5	23	ő	20.0	30	ŏ	20.5	32	ő	20.8
Maintenance room(Ambient Air)	6	ŏ	20 6	23	ő	20 6	25	ŏ	20 5	12	ŏ	20.8
Boiler room	Ĭ	Ū	100	13	Ũ	200		Ŭ	205		Ū	200
Ambient Air	24	0	20 5	23	0	20 6	10	0	20 5	05	0	20 9
Floor drain	3	ō	20 5	20	ō	20.6	10	ō	20.5	05	ŏ	20 9
Hair Salon(Ambient Air)	7	Ō	20 6	20	õ	20.6	2.0	ō	20.3	14	õ	20.8
North office(Ambient Air)	14	0	20 4	15	Ō	20 7	20	Ō	20 5	16	ō	20.8
Activities room												
Ambient Air	16	0	20.5	1.5	0	20 7	20	0	20 4	1.4	0	20.8
Floor drain	16	0	20.4	15	0	20 7	3.0	0	20 4	1.4	0	20.8
Physiotherapy(Ambient Air)	16	0	20 4	15	0	20 7	20	0	20 4	14	0	20.8
Lounge(Ambient Air)	15	0	20 5	23	0	20 7	20	0	20 4	24	0	20.8
South office(Ambient Air)	78	0	20 6	23	0	207	30	0	20 4	2.3	0	20 8
South caged storage area (Ambient Air)	7	0	20 6	20	0	20.8	2.4	0	20 3	2.0	0	20 7
Activities office(Ambient Air)	1.5	0	20 4	15	0	20 8	20	0	20 2	16	0	20.8
Vending room(Ambient Air)	14	0	20.4	1.5	0	20.8	20	0	20 2	14	0	20.8
NVV kunch room(Ambient Air)	14	0	20 5	15	0	20.8	20	0	20 2	11	0	20.8
North caged storage area(Ambient Air)	67	0	20.5	20	0	20.8	2.0	0	20.2	13	0	20.8
Duct room(Ambient Air) Open Storage	15	0	20 4	24	0	20 8	20	0	20 2	16	0	20 8
Ambient Air	14	0	20.4	20	0	20.8		~	20.2	1	~	20.7
Floor drain	24	0	20.4	20 30-300	1	20.8	2 0 20-100	0	20 2 20 2	14	0	207
Sump room	1 4	v	20.4	30-300	I I	20.0	20-100	U	20.2	80-100	0	20.6
Sump	92	0	20 5	50-90	۵	20.9	10-20	0	20 2	6.0	0	20 7
Ambient Air	7	Ő	20.5	2.0	Ö	20.9	25	0 0	20 2	15	0	207
	<u> </u>		Combustible			20.0	<u> </u>	<u> </u>	202	1 12.	<u></u>	207

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

i,

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 therefor 7 Readings were likely due to matfunctioning equipr Table I Basement Screening Results 1401 Through 1451 West Golf Road Building Waukegan, Illinois

			December 1. 14	94(1)		1	December 6, 19	94	
				CGI				CGI	
		FID	1.51	HYDROGEN	OXYGEN	FID		HYDROGEN	
10	CATION	(ppm)	LEL (Percent)	SULFIDE (ppm)	(Percent)	(ppm)	(Percent)	SULFIDE	OXYGEN
	t W Golf		(Percenti)	(ppm)	reiteraj	<u>†</u>	(Percent)	(ppm)	(Percent)
140	Background (N of Bldg)	0-2		0	20.8	00-10	0	0	20.8
	Breathing Zone of Basement	230	<u>}</u>	0	20.9	0.000	0	0	20 8
	Southwest Corner of Basement	220	1	0	20.9	l õ	0	0	211
	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	<u>)</u>	21.1
	Sink Drain	220	l	0	20.9	0	0)	21.1
	Todet Drun (Plugged)	220	1 [0	20.9	0	0	0	21.1
	Shower Drain (Plugged) 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	>193		0	3	211
· · · · ·	Crack in floor (north of sump, AS-2)	>1000	51	0	20.5	0	0	0	21.1
1.40	7 W Golf					1	•	• • •	
140	Background (N. of Bidg)	-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	I I	0	20 8
_	5 & 1419 W Golf					ļ			·
يا	aundry Room								
	Background (N of Bldg)	2	0	0	20.8	0 350	0	<u> </u>	20.9
	Breathing Zone of Basement Southwest Corner of Basement	260	2	0	20.9	28	0	0	20.9
	Southeast Corner of Basement	300		0	20.8	43	0	0	20.9
	Northwest Corner of Basement	340	1	ů ů	20.9	33	0	- o	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
S	gn Malong Room								
	Breathing Zone of Basement	260	. 1	0	20.9	25	0	0	20.8
	Southwest Corner of Basement	200	0	0	20.9	25	0	0	20.8
	Southeast Corner of Basement	700-800 280	2	0	20.9	40 25	0	0	20 8
	Northwest Corner of Basement	320		0	20.9	35	0	0	20 8
	Crack in Floor (Center)	460	·····	- 0	20.9	35	0	0	20.8
	Floor Dram (Blocked)	900-1000	2	0	20 7	40	0	ō	20 8
				•				•	
142	5 W. Golf								
_	Background (N of Bidg)	0	0	0	20 8	NM	NM	NM	NM
	Breathing Zone of Basement	350		0	207	42 0	0	0	20.9
	Southwest Corner of Basement	360		<u> </u>	208	46.0	0	0	20.8
	Southeast Corner of Basement	420	0	0	208	50 44	0	0	20.9
	Northwest Corner of Basement	370	0	0	20 8	44 560	0	0	20 9
_	Top of Sump	400	1	0	20 8	44 0	0	0	20 9
_	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 Dram (blocked)	020	2	0	20.7	280	1	0	20.7
143	1 W. Golf								
_	Background (S. of Bidg)				0	0	0	0	20.8
_	Breathing Zone of Basement	300	!	0	20.8	12	0	0	21.0
_	Southwest Corner of Basement	340	1	0	20.8	120		0	20.9
	Southeast Corner of Benement	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 Bessmant Top of Sump (SW corner)	400	1	00	20.8	12	0	0	21.0
	Shower Dram	540	1	0	20.8	22	0	0	20.9
		350	1	0	20.8	28	ő	0	21.0
	Sink Drain			0	20.8	23	0	0	21.0
		550							
145	Sink Drain Toulet								
145	Sink Drain Toulet I W. Golf Road	550	0	0 1	20 8	0-10	0	0 1	20 B
145	Sink Drain Tolet 1 W. Golf Road Background (S. of Bidg)		0	0	20 8	0-1 0 800	03	0	20.8
145	Sink Drain Toulet I W. Golf Road	2							
145	Sink Drain Totlet Totlet W Golf Road Background (S. of Bidg) Breathing Zone of Basement Southwest Corner of Basement Southest Corner of Basement	2 >1000 >1000 >1000	4 4 4	0 0 0	20.7 20.7 20.6	800 700-800 760	3 3 4	0 0 0	20.7 20.7 20.4
145	Sink Drain Totet Totet W Golf Road Background (S. of Bldg) Breating Zone of Basement Southwest Corner of Basement Northwest Corner of Basement Northwest Corner of Basement	550 2 >1000 >1000 >1000 >1000	4 4 4 5	0 0 0	20.7 20.7 20.6 20.7	800 700-800 760 980	3 3 4 4	0 0 0 0	20.7 20.7 20.4 20.4
145	Sink Drain Toilet 1 W Golf Road Background (S. of Bldg) Breatting Zone of Basement Southwest Corner of Basement Northwest Corner of Basement Northwest Corner of Basement Northwest Corner of Basement	550 2 ≥1000 ≥1000 ≥1000 ≥1000 ≥1000	4 4 5 4	0 0 0 0	20 7 20 7 20 6 20 7 20 6	800 700-800 760 980 760	3 3 4 4 4	0 0 0 0	20.7 20.7 20.4 20.4 20.4 20.4
145	Sink Drain Toilet Toilet Background (S. of Bidg) Breathing Zone of Basement Southwest Corner of Basement Northeast Corner of Basement Northeast Corner of Basement Northeast Corner of Basement Top of Sump (south wall)	550 2 >1000 >1000 >1000 >1000 >1000 >1000 >1000	4 4 5 4 8	0 0 0 0 0 0	20 7 20 7 20 6 20 7 20 6 20 7 20 6 20 7	800 700-800 760 980 760 670	3 3 4 4 4 3	0 0 0 0 0 0	20.7 20.7 20.4 20.4 20.4 20.4 20.7
145	Sink Drain Toilet 1 W Golf Road Background (S. of Bldg) Breatting Zone of Basement Southwest Corner of Basement Northwest Corner of Basement Northwest Corner of Basement Northwest Corner of Basement	550 2 ≥1000 ≥1000 ≥1000 ≥1000 ≥1000	4 4 5 4	0 0 0 0	20 7 20 7 20 6 20 7 20 6	800 700-800 760 980 760	3 3 4 4 4	0 0 0 0	20.7 20.7 20.4 20.4 20.4 20.4

Notes:

NM= Not Measured

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

Table I Basement Screenung Results 1401 Through (451 West Golf Road Building Waukegan, Illinois

		1	December 15, i			1	December 20, .	100	
				CGL				CGI	
		FID		HYDROGEN		FID		HYDROGEN	
		(ppm)	LEL	SULFIDE	OXYGEN	(ppm)	LEL	SULFIDE	OXYGEN
LO	CATION		(Percent)	ppm)	(Percent)		(Percent)	(ppm)	Percenti
40	I W Golf								
_	Background (N of Bldg)	0	3	0	20 8)	0	0	
	Breathing Zone of Basement	280	11	0	20.9	4	0	3	21
	Southwest Corner of Basement	2.50	1	0	20.9	3	0	0	21
	Southeast Comer of Basement	190	1	0	20.9		0		21
_	Northwest Comer of Basement	280 500		0	20.6)	21
-	Northeast Corner of Basement Top of Sump	210			20.8	0	0))	20.9
	Sink Drain	250		0	208	3	0		21
-	Toulet Drain (Plugged)	250		0	20.8	3	0		21
	Shower Dram (Plugged)	280	1	0	20 7	2	<u> </u>		20.9
	Sauna Dram (Rag Stuffed in Dram)	280	1	0	20 7	2	0	<u> </u>	20.9
	Crack in floor (NE corner, AS-1)	>1000	10	0	20 6	0	0	3	20.9
	Crack in floor (north of sump, AS-2)	-1000	25	0	20.5	0	0	3	21
40	7 W. Golf								
	Background (N of Bldg)	NM	NM	NM I	NM	0	0	J J	20.8
	Breathing Zone of Basement	240	1	0	20 7	05	0	0	20.7
	Southwest Corner of Basement	290		0	20.6	66	0	0	20.7
	Southeast Corner of Basement	300	1	0	20.6	25	0		20.7
	Northwest Corner of Basement	280	1	0	20.6	03	0	0	20.7
-	Northeast Corner of Basement	300	1	0	20 0	02	1	0	20.7
	Top of Sump	300	1	0	20.6	<u>v0</u>	1	0	20 7
_	Crack in Floor Near N. Wall (Center)	290	1	0	20.6	02	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
41	5 & 1419 W Golf								
	Aundry Room			Г I		1		<u> </u>	
~	Background (N of Bidg)	<	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	b0-75	1	0	21.1
	Southeast Corner of Basement	700-800	2	0	20.9	b0-100	1	0	21.1
	Northwest Corner of Basement	o80	2	0	20.9	69	1	0	21.2
_	Northeast Corner of Basement	100	3	0	20 9	* 0	1	0	21.1
	Sump (No pump installed)	×1000	82	0	20 3	>1000	19	0	20.9
S	gn Making Room								
	Breathing Zone of Basement	-00°	3	0	20.7	75	1	0	21.1
	Southwest Corner of Basement	710	3)	20.8	75	· · · · · · · · · · · · · · · · · · ·	0	21.1
	Southeast Corner of Basement	>1000		0	20 7	20	l	0	21.1
	Northwest Corner of Basement	10	3	0	:0 7	74		0	21.1
	Northeast Corner of Basement	<u></u>		0	20 7	250	1	0	21 1
	Crack in Floor (Center) Floor Drain (Blocked)	1000	3	0	20.7	300-550	2	0	21 1
	[ricor Dram (Biocked)	1000 1			10	300-350		<u> </u>	
42	5 W Golf								
	Background (N of Bldg)	0	0	0	20.8	1	0	0	20.8
	Breathing Zone of Basement	320		0	:0 7	70		0	20 8
-	Southwest Corner of Basement	150	1	0	:0 7	200	1	0	20.8
	Southeast Corner of Basement	410	1	0	:0 7	78	1	0	20.9
	Northwest Corner of Basement	520	1	0	20 7	o8-200		0	20 9
	Northeast Corner of Basement	1000	1	<u>_</u> 0	:0 7	95-100	i	0	20.9
	Top of Sump	450		0	:07	130	<u> </u>	0	20.9
_	Crack in Floor Near Southeast Corner	450		0	20 7	180	1	0	20.9
	Crack in Floor of Worksoom (North)	590	2	0	20 7	160-200		0	20.9
_	Floor Dram (blocked)	1000	100	0	17	300-800	3	0	20.7
43	I W Golf	L							
	Background (S. of Bidg)	0	0	0	20.8	NM	0	0	NM
	Breathing Zone of Beastment	40	0	0	:0 8	25	1	0	20.9
_	Southwest Corner of Basement	320		0	20 8	75	1	0	20.9
	Southeast Corner of Basement	9 80	3	0	20.8	190		0	20.9
_	Northwest Corner of Besement	08	0	0	:0.8	12		0	20 9
	Northeast Corner of Basement		0	0	20.8	24	<u> </u>	0	20.9
_	Top of Sump (SW corner)	320	<u> </u>	0	20.8			0	20.9
	Shower Dram	280	<u> </u>	0	20.8	30		0	20.9
_	Sink Drain	310	1	0	208	00	1	0	20.9
	Toulet	310	1	0	20 8	02	1	0	20.9
45	1 W Golf Road								
	Background (S. of Bidg)	0	0	0	20.8	NM	NM	NM	NM
_	Breathing Zone of Basement	>1000	<u> </u>	0	20 8	810	3	0	20.9
_	Southwest Corner of Basement	<u>→1000</u>	\$	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)	⇒t 000	4	0	20.8	790-900	3	3	21
-	Crack in Floor (Center of Basement)	>1000	45	0	20.6	>1000	20	0	20.7
-									
_	Crack in Floor (West End)	>1000 >1000	11	0	20.8	>1000	4	Э	21

Notes: NM= Not Measured

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

Table I Basement Screening Results 1401 Through (45) West Golf Road Building Waukegan, illinois

			December 29, 1	cat	
		FID (ppm)	LEL	HYDROGEN SULFIDE	OXYGEN
	CATION		:Percent)	ppm)	Percenti
40	I W Golf			T	20.0
	Background (N of Bldg) Breathing Zone of Basement	0	0 ()	0	20.8
-	Southwest Corner of Basement		1	c -	20.6
	Southeast Corner of Basement	<u> </u>	0	5	20.6
	Northwest Corner of Basement	0	1	0	20 6
	Northeast Comer of Basement	0	0	· · · _ ·	20 6
	Top of Sump	0	0)	20 0
	Sink Dram	0	<u> </u>		20 6
_	Toulet Drain (Plugged)	0	0	<u>)</u>	20.6
	Shower Dram (Plugged)	0		0 0	20.6
	Sauna Drain (Rag Stuffed in Drain) Crack in floor (NE corner, AS-1)	0			20 6 20 6
_	Crack in floor (north of sump, AS-2)	0	0		20.6
				· · · · · · · · · · · · · · · · · · ·	200
40	7 W Golf	a		<u> </u>	20.7
	Background (N of Bldg)		0	0	20 7
	Breathing Zone of Basement Southwest Comer of Basement		0	0	20 7
	Southeast Corner of Basement	-6	0	0	20.8
	Northwest Comer of Basement		0	0	20.8
	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	<u> </u>	0	2	20 8
	Floor Drain	22	0	0	20 8
41:	5 & 1419 W Golf				
L	undry Room				
	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	<u> </u>	<u> </u>	20.8
	Northwest Comer of Basement	18	0	0	20.9
	Northeast Corner of Basement		<u> </u>	<u> </u>	20.9
_	Sump (No pump installed)	1000		0	104
56	gn Making Room Breathing Zone of Basement		·		20.9
	Southwest Corner of Basement	10	0		20.9
-	Southeast Corner of Basement	22	0	0	20 8
	Northwest Corner of Basement	10	0	Э	20.9
	Northeast Corner of Basement	16	0	0	20 9
	Crack in Floor (Center)	100	0)	20.9
	Floor Dram (Blocked)	200	1 1	<u> </u>	20.8
	e 197 - 7 - 16	1			
42:	5 W Golf Background (N of Bldg)	NM	NM	NM	NM
	Breathing Zone of Basement	42			20.9
-	Southwest Corner of Basement			0	20 8
-	Southeast Corner of Basement		0	3	20.8
	Northwest Corner of Basement	42	1	0	20 8
	Northeast Corner of Basement	-10	1	0	20.9
	Top of Sump	45	0	0	20 8
-	Crack in Floor Near Southeast Corner	<u>ು</u> 8	1	0	20 8
				0	20.8
	Crack in Floor of Workroom (North)	120	1		10.8
	Crack in Floor of Worksoom (North) Floor Drain (blocked)	120 1000	1 -100	0	
431	Floor Dram (blocked) W. Golf	1000	-i 00		
431	Floor Dram (blocked) W Golf Background (S. of Bldg)	<u>1000</u>	0	0	20.9
431	Floor Drain (blocked) 1 W. Golf Background (S. of Bidg) Breathing Zone of Basement	0 1000	0 0	0	20 9 20 9
43	Floor Drain (blocked) W. Golf Background (S. of Bidg) Breathing Zone of Basement Southwest Corner of Basement	0 0 11 20	0 0 1	0 0 0	20.9 20.9 20.9
43	Floor Drain (blocked) W Golf Background (S. of Bldg) Bresthing Zone of Basement Southwest Corner of Basement Southeast Corner of Basement	0 11 11 20 30	0 0 1 1	0 3 0 0	20 9 20 9 20 9 20 9 20 9
43	Floor Drain (blocked) W Golf Background (S. of Bidg) Breathing Zone of Basement Southwest Corner of Basement Northwest Corner of Basement Northwest Corner of Basement	0 0 11 20 30 12	100 0 1 1 0	0 0 0 0 0 0	20.9 20.9 20.9 20.9 20.9 20.9
431	Floor Drain (blocked) W Golf Background (S. of Bidg) Breathing Zone of Basement Southeast Corner of Basement Northwest Corner of Basement Northeast Corner of Basement Northeast Corner of Basement	0 1000 11 20 30 12 10	0 0 1 1 0 1	0 0 0 0 0 0	20 9 20 9 20 9 20 9 20 9 20 9 20 9 20 8
43	Floor Drain (blocked) W Golf Background (S. of Bldg) Breathing Zone of Basement Southeast Corner of Basement Northwest Corner of Basement Northwest Corner of Basement Top of Sump (SW corner)	0 0 11 20 30 12	100 0 1 1 0	0 0 0 0 0 0	20.9 20.9 20.9 20.9 20.9 20.9
43	Floor Drain (blocked) W Golf Background (S. of Bidg) Breathing Zone of Basement Southeast Corner of Basement Northwest Corner of Basement Northeast Corner of Basement Northeast Corner of Basement	1000 0 11 20 30 12 10 24		0 0 0 0 0 0 0	20 9 20 9 20 9 20 9 20 9 20 9 20 9 20 8 20 8
43	Floor Drain (blocked) W Golf Background (S. of Bidg) Bresthing Zone of Basement Southwest Corner of Basement Northwest Corner of Basement Northwest Corner of Basement Top of Sump (SW corner) Shower Drain	0 0 11 20 30 12 10 24 20	-100 0 1 1 0 <i>i</i> 1 1	0 0 0 0 0 0 0 0 0	20 9 20 9 20 9 20 9 20 9 20 9 20 8 20 8 20 8
	Floor Drain (blocked) W Golf Background (S of Bidg) Breathing Zone of Basement Southwest Corner of Basement Northwest Corner of Basement Northwest Corner of Basement Top of Sump (SW corner) Shower Drain Sink Drain Toilet	0 0 11 20 30 12 10 24 20 35	100 0 1 1 0 k 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0	20 9 20 9 20 9 20 9 20 9 20 9 20 8 20 8 20 8 20 9 20.9
	Floor Drain (blocked) W Golf Background (S. of Bidg) Breathing Zone of Basement Southwest Corner of Basement Northwest Corner of Basement Northwest Corner of Basement Top of Sump (SW corner) Shower Drain Toilet W Golf Road	0 0 11 20 30 12 10 24 20 35 34	100 0 1 1 0 1 1 0 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0	20 9 20 9 20 9 20 9 20 9 20 9 20 8 20 8 20 9 20 9 20 9
	Floor Drain (blocked) W Golf Background (S. of Bidg) Breathing Zone of Basement Southwest Corner of Basement Northeast Corner of Basement Northeast Corner of Basement Top of Sump (SW corner) Shower Drain Sink Drain Tolet W Golf Road Background (S of Bidg)	0 0 11 20 30 12 10 24 20 35	100 0 1 1 0 k 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0	20 9 20 9 20 9 20 9 20 9 20 9 20 8 20 8 20 8 20 9 20 9
	Floor Drain (blocked) W Golf Background (S. of Bidg) Breathing Zone of Basement Southwest Corner of Basement Northwest Corner of Basement Northwest Corner of Basement Top of Sump (SW corner) Shower Drain Toilet W Golf Road	0 0 11 20 30 12 10 24 20 35 35 34	-100 0 1 1 1 1 1 1 1 1 1 1 1 0		20 9 20 9 20 9 20 9 20 9 20 9 20 8 20 8 20 9 20 9 20 9 20 8
	Floor Drain (blocked) W Golf Background (S. of Bidg) Breathing Zone of Basement Southwest Corner of Basement Northwest Corner of Basement Northwest Corner of Basement Top of Sump (SW corner) Shower Drain Sink Drain Tolet W Golf Road Background (S. of Bidg) Breathing Zone of Basement	0 0 11 20 30 12 10 24 20 35 34 20 35 34 20 35 34	100 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2		20 9 20 9 20 9 20 9 20 9 20 9 20 8 20 8 20 9 20 9 20 9 20 8 21
	Floor Drain (blocked) W Golf Background (S of Bidg) Breathing Zone of Basement Southwest Corner of Basement Northwest Corner of Basement Top of Sump (SW corner) Shower Drain Sink Drain Toilet W Golf Road Background (S of Bidg) Breathing Zone of Basement Southwest Corner of Basement Southwest Corner of Basement Southwest Corner of Basement Southwest Corner of Basement	0 0 11 20 30 12 10 24 20 35 35 34 0 720 720	100 0 1 1 1 1 1 1 1 1 1 1 1 2 2		20 9 20 9 20 9 20 9 20 9 20 8 20 8 20 9 20 9 20 9 20 9 20 9 20 8 21 21
	Floor Drain (blocked) W Golf Background (S. of Bidg) Breathing Zone of Basement Southwest Corner of Basement Northeast Corner of Basement Top of Sump (SW corner) Shower Drain Sink Drain Tolet W Golf Road Background (S. of Bidg) Breathing Zone of Basement Southwest Corner of Basement Northeast Corner of Basement	0 0 11 20 30 12 10 24 20 35 34 20 35 34 20 35 34 20 35 34 20 35 34 20 35 34 20 35 34 20 20 20 20 20 20 20 20 20 20 20 20 20	100 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 3 2 3		20 9 20 9 20 9 20 9 20 9 20 8 20 8 20 9 20 9 20 9 20 9 20 9 20 9 20 9 21 21 21 21
	Floor Drain (blocked) W Golf Background (S. of Bidg) Breathing Zone of Basement Southwest Corner of Basement Northwest Corner of Basement Northwest Corner of Basement Top of Sump (SW corner) Shower Drain Sink Drain Toilet W Golf Road Background (S. of Bidg) Breathing Zone of Basement Southwest Corner of Basement Southwest Corner of Basement Northwest Corner of Basement Top of Sump (South wall)	0 0 11 20 30 12 10 24 20 35 34 0 720 720 1000 720 1000 720 720 1000 720	100 0 1 1 1 1 1 1 1 1 1 1 1 1 1		20 9 20 9 20 9 20 9 20 9 20 8 20 8 20 9 20 9 20 9 20 9 20 9 20 9 20 9 20 9
	Floor Drain (blocked) W Golf Background (S. of Bidg) Breathing Zone of Basement Southwest Corner of Basement Northeast Corner of Basement Top of Sump (SW corner) Shower Drain Sink Drain Tolet W Golf Road Background (S. of Bidg) Breathing Zone of Basement Southwest Corner of Basement Northeast Corner of Basement	0 0 11 20 30 12 10 24 20 35 34 20 35 34 20 35 34 20 35 34 20 35 34 20 35 34 20 35 34 20 20 20 20 20 20 20 20 20 20 20 20 20	100 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 3 2 3		20 9 20 9 20 9 20 9 20 9 20 8 20 8 20 9 20 9 20 9 20 9 20 9 20 9 20 9 21 21 21 21

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

Distribution:

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- 2 Copies Golder Associates Inc.

December 1994

933-8136.07

TO: USEPA/IEPA

FROM: Golder Associates Inc.

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

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 is 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 memorand um 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 .

Montoring FID CGI Location (ppm) %LEL %(Evoy Property) 00 Bargeority 00 Sump (SW corner) 00 Floor Drain SW corner) 00	GI %Oxygen	C ILI	Ö		FID.	CO		CIO.	C		FID	ŭ i		6.00	50	
er) 00 corner) 00		-	×LEL ×	K-Oxygen	~	%IEL %(Dxygen	-	%rer %0	%Oxygen (I	~	%LEL %(Oxygen	(mdd)	×rer 2	GI %Oxygen
d corner) SW corner)	NM(5)															
-		001030 10 10		208 208 208	00 220		208 208 208	4 4 4 0 60 10	000	208 208 208	000		208 208 209	00 32 00		20 2 20 2 20 2
Entrance to craw space		12		20.8	05											
North wall 00 South wall 00 East wall 00 West wall 00		15 to 20 10 to 20 15 to 20 10 to 20	0000	208 208 208 208	0000 050 050 050	0000	208 208 208	4 4 4 4 0 ~ 0 0	0000	20 7 20 6 20 7 20 7	0000	0000	20 9 20 9 20 9 20 9	2 1 1 4 1 1 8 1	0000	20 5 5 4 20 5 4 20 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
1615 Sunset Avenue NM(3) NM(3) NM(3)	(E)MN															
		0 0 to 1 0	00	20.8	00	0 0	20.8	00	0 0	20.8	0.0	0.0	20.8	00	00	203
Ambient Air Crack in floor (E-W @ E)		12 0 90 0		210					00	20 7 20 7						
Crack in noor (N-S & S) Floor drain (East) Floor drain (West)				210 208 208	4 0 8 0		208	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		207	000	000	210	1 1 1 3 7 6 9	000	20 2 20 3
Linen Room. Ambient Air		10 0		20.8					, 0	20.7						
Cracks in concrete Mid room V.S. O.S.		10.0					60 6						210			20 2
East wall, @ breathing zone		12.0					10 10						210			20 2 20 2
Medical records room(Ambient Air) Lunch Room(Ambient Air)		0.00		208 208	302	0 0 0	508 508	2 2 NM(6)	0 0 0 NM(6)	20.8 NM(6)	0 0 0 NM(6)	0 0 NM(6)	210 NM(6)	00	00	203
Maintenance room(Ambent Air) Boiler room		00	0 0	8 07		0 0	 თ						20.8			203
Ambient Air Floor drain		000	000	20 8 20 8	0. 6 9. 6	000	209 209	06 04	000	20 8 20 8	00	00	20 8 20 8	000	00	203 203
Hair Salon(Ambient Air) North office(Ambient Air)		14 0 0 0	000	210 208		000			00	20 8 20 8		00	209 209	000		
Activities room Ambient Air		000	00	20.8 20.8	4	00			- c	BUC						
Floor drain		00	00	20.8	55.0	00			. 0	20.8		0	209			505 205
Physiotherapy(Ambient Air) Lounge(Ambient Air)		000	000	20.8 20.8	26 18	000	209 209	20 15	000	20.8 20.9	000	000	209	000	000	222
South office(Ambient Air) South caned sticrane area (Ambent Air)		N C	WZ	NN NN	32	00			00	20.8		0	20.9			22
Activities office(Ambient Air)		200	000	208	12	000				208		00	507 507			20 3 20 3
Vending room(Ambient Air)		000	000	209	32	00			0	209		10,	20.9			203
North caged storage area(Ambient Air)		000	000	20.8	20	000				50 B		00	503			203
Duct room(Ambient Air) Open Storage		10	00	20.8	32	0 0			0	20.9		00	20.9			20 2
		00	0.0	20.8	2 0	0.0	20.9	20	0 0	20.9	0 0	10	209	00	10	20 2
Sump room																
Sump Ambient Air		00 to 2.0 00 to 1.0	0.0	8 8 0 8	120.0 3.4	0.0	20.9 20.9	70 1.8	000	20.8	420.0 0.0	. 0.0	209 209	20 3 0 0	000	2 3 3 3
1 CGI - CO 5 FID - FID	1. CGI - Combustible Gas Indicator 7. FiD Flame Indization Detector	as Indicator														

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

FID - Flame Ionization Detector
 During the February 28, 1994 inspection, access to 1615 Sunset
 Avenue could not be obtained.
 NM - NM Messured.
 GGI readings during the February 28, 1994 inspection could not be obtained.
 CGI readings during the reporting equipment
 Not be obtained.
 Key to room was. available on-site and therefore the room was not accessible

9518 555

Golder Associates

(36701939 WB1/djf)

Page 1 of 2

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

.

Date Monitoring	FID	lugust 18,	1994 CGI	Sep FID	tember 27	7, 1994 CGI	FID 0	ctober 18	. 1994 CGI	FID	iovember	18, 1994 CGI	۶ID	lovember	23, 1994 CGI
Location	(ppm)	%LEL		(ppm)	%LEL		(ppm)		%Oxygen	(ppm)	%LEL		(ppm)		%Oxygen
2122 Yeoman Street															
(Evoy Property)	1														
Background	00	00	20.8	24	00	206	47-55	0	20.8	00	0	21.7	NM	NM	NM
Sump (SW corner)	4.0	0.0	20 8	2.2	00	20.6	51.3	1	20.8	4.0-50	0	218	NM	NM	NM
Floor Drain SW corner)	36	00	20.9	22	0.0	20.6	48.2	1	20.8	5.4	0	218	NM	NM	NM
Entrance to crawl space	48	00	20.8	22	00	20 6	97 6	0	20.8	75	0	215	NM	NM	NM
Floor/wall joints.	1														
North wall	34	0.0	21.0	22	00	20 5	52	1	20 8	56	0	219	NM	NM	NM
South wall	34	0.0	21.0	22	00	20 5	52 1	1	20 8	56	0	219	NM	NM	NM
East wall	34	00	210	22	00	20 5	53 4	1	20 8	56	0	219	NM	NM	NM
West wall	34	00	21 0	22	00	20 5	49 2	0	20 7	20 0	0	218	NM	NM	NM
1615 Sunset Avenue	1														
(Terrace Nursing Home)	0.0	0.0	~ 1	^	0.0	20.4	20	0	20.0	10	0	22.5	0.2	0	20.4
Background Laurador Boom	00	0.0	20.8	0.8	0.0	20.4	30	U	20.8	1.0	0	22.5	03	0	20 4
Laundry Room:	1.8	00	21 0	08	00	20 4	60 5	0	20.8	37	o	22 5	03	0	20.5
Ambient Air Crack in floor (E-W 22 E)	2.0	1.0	20.8	0.8	00	20.4	582	0	20.8	63	0	22 5	03	0	20.5
Crack in floor (N-S @ S)	1.8	1.0	20.8	08	0.0	20.3		1	20.8	63	0	22 5	03	0	205
Floor drain (East)	28.0	10	20.8	08	0.0	20.3	57.4	ò	207	3.4	0	22 5	03	0	205
Floor drain (West)	14	00	209	08	00	20 3	64.3	0	207	3.3	0	22.5	03	0	20.5
Linen Room:	1	00	20.9	00	00	20.3	04.3	U	207	3.3	U	22.5	03	U	20.5
Ambient Air	26	0.0	20.9	08	0.0	20 3	55 1	0	20 7	32	0	22 6	03	0	20 1
Cracks in concrete	1 10	0.0	20.3	00	0.0	203	331	0	207	32	0	22.0	03	U	201
Mid room, N-S & S	22	00	20.9	08	00	20 3	53 6	0	20 7	2.7	0	22 5	03	0	19 9
East end, N-S & center	24	0.0	20.8	08	00	20 3	50 5	ŏ	207	31	0	22 5	03	õ	19 9
East wall, @ breathing zone	28	00	20.9	07	00	20 2	50.5	õ	20 6	4.3	ő	22 6	03	ŏ	19 9
Medical records room(Ambient Air)	03	õõ	210	0.8	00	20 4	68	õ	20 6	18	ŏ	22.3	02	ŏ	20 2
Lunch Room(Ambient Air)	03	00	210	0.8	00	20 3	62 7	ŏ	20 6	22	ŏ	22 5	02	ŏ	20 1
Maintenance room(Ambient Air)	06	00	210	08	00	20 4	89.1	Ō	20 7	14	õ	22 3	03	ŏ	20 1
Boiler room								-			-			•	
Ambient Air	00	10	21.0	07	00	20 5	52 1	0	20.6	13	0	22 4	02	0	20 6
Floor drain	00	00	210	0.8	00	20 5	45 2	Ō	20.6	12	ō	22 4	0.2	ō	20 6
Hair Salon(Ambient Air)	02	00	210	07	00	20.5	90.6	ō	20 7	33	ŏ	22 5	10	ŏ	20 5
North office(Ambient Air)	03	00	21.0	07	00	20.4	62	Ō	20.6	18	ō	22 6	03	ō	20 1
Activities room	1						-			-	-			•	
Ambient Air	04	0.0	21.0	07	00	20 4	65 8	0	20 6	2.0	0	22 6	NM	NM	NM
Floor drain	80	00	210	07	0.0	20 4	97 3	0	20 6	20	0	22.6	NM	NM	NM
Physiotherapy(Ambient Air)	07	00	210	06	0.0	20 4	65 8	0	20 5	14	0	22 5	03	0	19 9
Lounge(Ambient Air)	06	00	20 9	06	0.0	20 4	61 2	0	20 6	18	Ō	22 5	03	ō	20 0
South office(Ambient Air)	08	00	20 9	07	0.0	20 4	62 7	0	20 5	22	0	22 4	03	Ō	20 0
South caged storage area (Ambient Air)	0.7	00	20.9	05	00	20 3	103	0	20 7	20	Ō	22 5	02	ō	19.9
Activities office(Ambient Air)	14	0.0	20.8	06	00	20 3	123	0	20 6	2.1	Ō	22 5	03	ō	20 0
Vending room(Ambient Air)	10	00	20 9	03	0.0	20 2	85.4	Ö	20 5	20	Ō	22 5	03	ŏ	20 0
NW lunch room(Ambient Air)	06	00	20 9	03	0.0	20 4	82 4	0	20 6	19	Ō	22 5	02	Ō	20 1
North caged storage area(Ambient Air)	0.6	0.0	20 9	02	00	20.4	95.1	0	20 7	15	Ō	22 5	02	Ō	20 0
Duct room(Ambient Air)	07	00	20 9	02	00	20 4	86 1	0	20 6	23	0	22 5	03	Ó	20 0
Open Storage	1														
Ambient Air	00	00	20 9	02	00	20.4	83 9	0	20 6	20	0	22 4	03	0	20 1
Floor drain	5.0	00	20 9	02	00	20.3	1592	4	20 5	7.0	0	22.4	10	0	20 0
Sump room	I														
Sump	70.3	00	20 9	05	0.0	20.4	1955	2	20 5	50	0	22 5	NM	NM	NM
Ambient Air	0.4	0.0	20.9	04	00	20.4	86.1	0	20 7	20	0	22.5	NM	NM	NM

~

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

			November 3, 19			[November 8, 19		
		FID		CGI HYDROGEN		FID		CGI HYDROGEN	
		(ppm)	LEL	SULFIDE	OXYGEN	(ppm)	LEL	SULFIDE	OXYGEN
LO	CATTON		(Percent)	(ppm)	Percenti		(Percent)	(ppm)	(Percent)
1.40	l W Golf								
	Background (N. of Bidg)	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	<u>55</u> 140	0 0	NM NM	21.1	360 >1000	0	00	20.9
	Northeast Corner of Basement Top of Sump	920	J	NM	21 1	>1000	2	0	20.9
	Sink Drain	20	o	NM	20 8	260	0	ō	20.9
	Toilet Drain (Plugged)	68	0	NM	20 8	26	0	0	20.9
	Shower Dram (Plugged)	110	0	NM	20.9	360	0	0	20.9
	Sauna Drain (Rag Stuffed in Drain)	*5	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
40	7 W Golf								
_	Background (N. of Bidg)	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 Northeast Corner of Basement	9	0	NM NM	20 8	.56 .58	0	0	20.9
	Top of Sump	10	0	NM NM	20 8		0	0	20.9
	Crack in Floor Near N. Wall (Center)	10	0	NM	20.7	02	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	-0	0	0	20.9
1411	5 & 1419 W Golf			•					
_	aundry Room			1			0	0	
	Background (N. of Bldg)	2.4	0-2	NM	21.3	0	ů ů	0	20 8
	Breathing Zone of Basem int	13	0	NM	20 5	75	0	0	20 8
_	Southwest Corner of Basement	13	0	NM	20 5	1.40	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
Si	gn Making Room	15	0	NM	20 4	48	0	0	20.8
	Breathing Zone of Basement Southwest Comer of Basement	14	0	NM	20.4		0	0	20.9
_	Southeast Corner of Basement	14	0	NM	20 4	52	ů l	- ů	20.9
	Northwest Corner of Basement	14	<u> </u>	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 Drun (Blocked)	280	0	NM	20.4	>1000	0	0	20.9
42	s W Golf								
	Background (N of Bldg) Breathing Zone of Basement	2.4	0-2	NM NM	21 3	0	0	0	20.9
	Southwest Corner of Basement	35	0	SM SM	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 Drum (blocked)	240	0		20.4	>1000	4	0	20.9
43	I W Golf								20.9
43	Background (S. of Bidg)	2.4	0-2	NM	21.3	0	0	0	
43	Background (S. of Bidg) Breathing Zone of Basement	18	0	NM	20 7	06	0	0	20.9
43	Background (S. of Bidg) Breathing Zone of Basement Southwest Corner of Basement	18	0	NM NM	20 7 20 7	06 500	0	0	20.9
43	Background (S. of Bidg) Breathing Zone of Basement Southwest Corner of Basement Southeast Corner of Basement	18 13 16	0 0 0	NM NM NM	20 7 20 7 20 7	06 500 280	0 0 0	0 0 0	20.9 20.9 20.9
43	Background (S. of Bldg) Breathing Zone of Basement Southwest Corner of Basement Southeast Corner of Basement Northwest Corner of Basement	18 13 16 51	0 0 0	NM NM NM NM	20 7 20 7 20 7 20 7 20 7	06 500 280 56	0 0 0 0	0 0 0 0	20.9 20.9 20.9 20.9 20.9
43	Background (S. of Bldg) Breathing Zone of Basement Southwest Corner of Basement Northwest Corner of Basement Northeast Corner of Basement Northeast Corner of Basement	18 13 16 51 28	0 0 0 0	NM NM NM NM NM	20 7 20 7 20 7 20 7 20 7 20 7 20 7	56 500 280 56 56	0 0 0 0 0	0 0 0 0	20.9 20.9 20.9 20.9 20.9 20.9 20.9
43	Background (S. of Bldg) Breathing Zone of Basement Southwest Corner of Basement Southeast Corner of Basement Northwest Corner of Basement	18 13 16 51	0 0 0	NM NM NM NM	20 7 20 7 20 7 20 7 20 7	06 500 280 56	0 0 0 0	0 0 0 0	20.9 20.9 20.9 20.9 20.9
43	Background (S. of Bidg) Breathing Zone of Basement Southwest Corner of Basement Northwest Corner of Basement Northwest Corner of Basement Top of Sump (SW corner)	18 13 16 51 28 27	0 0 0 0 0 0	NM NM NM NM NM NM	20 7 20 7 20 7 20 7 20 7 20 7 20 7 20 6	66 500 280 56 56 230	0 0 0 0 0 0 0	0 0 0 0 0	20.9 20.9 20.9 20.9 20.9 20.9 20.9
43	Background (S of Bidg) Breathing Zone of Basement Southwest Corner of Basement Northeast Corner of Basement Northeast Corner of Basement Top of Sump (SW corner) Shower Drain	18 13 16 51 28 27 51	0 0 0 0 0 0 0	NM NM NM NM NM NM	20 7 20 7 20 7 20 7 20 7 20 7 20 7 20 6 20 7	66 500 280 56 56 230 320	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	20.9 20.9 20.9 20.9 20.9 20.9 20.9 20.9
	Background (S. of Bldg) Breathing Zone of Basement Southwast Corner of Basement Northwest Corner of Basement Northwest Corner of Basement Top of Sump (SW corner) Shower Drain Sunk Drain Toilet	18 13 16 51 28 27 51 52	0 0 0 0 0 0 0	NM NM NM NM NM NM NM NM	20 7 20 7 20 7 20 7 20 7 20 7 20 6 20 7 20 7	06 500 280 56 230 320 220	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	20.9 20.9 20.9 20.9 20.9 20.9 20.9 20.9
	Background (S of Bldg) Breathing Zone of Basement Southwest Corner of Basement Northwest Corner of Basement Northeast Corner of Basement Top of Sump (SW corner) Shower Dnain Tolet W Golf Road	18 13 16 51 28 27 51 52 49	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NM NM NM NM NM NM NM NM NM	20 7 20 7 20 7 20 7 20 7 20 7 20 7 20 7	66 500 280 56 230 320 220 220 220	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	20.9 20.9 20.9 20.9 20.9 20.9 20.9 20.9
	Background (S. of Bldg) Breathing Zone of Basement Southwast Corner of Basement Northwest Corner of Basement Northwest Corner of Basement Top of Sump (SW corner) Shower Drain Sunk Drain Toilet	18 13 16 51 28 27 51 52	0 0 0 0 0 0 0	NM NM NM NM NM NM NM NM	20 7 20 7 20 7 20 7 20 7 20 7 20 6 20 7 20 7	06 500 280 56 230 320 220	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0	20.9 20.9 20.9 20.9 20.9 20.9 20.9 20.9
	Background (S of Bldg) Breathing Zone of Basement Southwest Corner of Basement Northwest Corner of Basement Northeast Corner of Basement Top of Sump (SW corner) Shower Drain Shuk Drain Toulet W Golf Road Background (S of Bldg)	18 13 16 51 28 27 51 52 49 2.4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NM NM NM NM NM NM NM NM NM	20 7 20 7 20 7 20 7 20 7 20 7 20 7 20 6 20 7 20 7	06 500 280 56 56 230 320 220 220 0	0 0 0 0 0 0 0 0 0 0 0 0		20.9 20.9 20.9 20.9 20.9 20.9 20.9 20.9
	Background (S. of Bldg) Breathing Zone of Basement Southeast Corner of Basement Northwest Corner of Basement Northwest Corner of Basement Top of Sump (SW corner) Shower Drain Sunk Drain Todet W. Golf Road Background (S. of Bldg) Breathing Zone of Basement	18 13 16 51 28 27 51 52 49 27 24 27 51 52 49	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NM NM NM NM NM NM NM NM NM NM	20 7 20 7 20 7 20 7 20 7 20 7 20 7 20 7	66 500 280 56 56 230 220 220 220 0 >1000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		20.9 20.9 20.9 20.9 20.9 20.9 20.9 20.9
	Background (S of Bldg) Breathing Zone of Basement Southwest Corner of Basement Northwest Corner of Basement Northwest Corner of Basement Top of Sump (SW corner) Shower Drain Sunk Drain Toilet W Golf Road Background (S of Bldg) Breathing Zone of Basement Southwest Corner of Basement Northwest Corner of Basement Northwest Corner of Basement	18 13 16 51 28 27 51 52 49 24 360 390	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NM NM NM NM NM NM NM NM NM NM	20 7 20 7 20 7 20 7 20 7 20 7 20 6 20 7 20 4 20 4 20 20 4 20 20 20 4 20 20 4 20 20 20 20 20 20 20 20 20 20	66 500 280 56 56 230 320 220 220 0 >1000 >1000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		20.9 20.9 20.9 20.9 20.9 20.9 20.9 20.9
	Background (S. of Bidg) Breathing Zone of Basement Southeast Corner of Basement Northwest Corner of Basement Northwest Corner of Basement Top of Sump (SW corner) Shower Drain Sink Drain Todet W Golf Road Background (S. of Bidg) Breathing Zone of Basement Southeast Corner of Basement Southeast Corner of Basement Southwest Corner of Basement Northwest Corner of Basement Northwest Corner of Basement Northeast Corner of Basement	18 13 16 51 28 27 51 52 49 24 360 390 420 410 500	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NM NM	20 7 20 4 20 7 20 7	66 500 280 56 56 230 320 220 220 220 220 > 1000 >1000 >1000 >1000 >1000 >1000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		20.9 20.9 20.9 20.9 20.9 20.9 20.9 20.9
	Background (S of Bldg) Breathing Zone of Basement Southwest Corner of Basement Northwest Corner of Basement Northwest Corner of Basement Top of Sump (SW corner) Shower Drain Sunk Drain Toilet W Golf Road Background (S of Bldg) Breathing Zone of Basement Southwest Corner of Basement Northeast Corner of Basement Northeast Corner of Basement Top of Sump (south wall)	18 13 16 51 28 27 51 52 49 24 360 390 420 410 500 580	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NM NM NM NM NM NM NM NM NM NM NM NM NM N	20 7 20 4 20 4 20 4 20 4 20 4 20 4 20 4 20 3	06 500 280 56 230 320 220 220 21000 >10000 >10000 >10000 >10000 >10000 >10000 >10000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		20.9 20.9 20.9 20.9 20.9 20.9 20.9 20.9
	Background (S. of Bidg) Breathing Zone of Basement Southeast Corner of Basement Northwest Corner of Basement Northwest Corner of Basement Top of Sump (SW corner) Shower Drain Sink Drain Todet W Golf Road Background (S. of Bidg) Breathing Zone of Basement Southeast Corner of Basement Southeast Corner of Basement Southwest Corner of Basement Northwest Corner of Basement Northwest Corner of Basement Northeast Corner of Basement	18 13 16 51 28 27 51 52 49 24 360 390 420 410 500	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NM NM	20 7 20 4 20 7 20 7	66 500 280 56 56 230 320 220 220 220 220 > 1000 >1000 >1000 >1000 >1000 >1000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		20.9 20.9 20.9 20.9 20.9 20.9 20.9 20.9

able 2 Besement Screening Results 1401 Through 1451 West Golf Road Building Waukegan, illinois

			November 18, 1	904			November 22.	1994	
				CGI				CGI	
		FID (ppm)	LEL	HYDROGEN SULFIDE	OXYGEN	FID (ppm)	LEL	HYDROGEN SULFIDE	OXYGEN
LO			(Percent)	(ppm)	(Perdent)		(Percent)	(ppm)	(Percent)
140	W Golf			·					
	Background (N of Bldg)	0.5	0	0	21 3	08	2	<u>NM</u>	21.4
	Breathing Zone of Basement Southwest Comer of Basement	44	0	0	21.3	2.6	2 3	NM NM	21.2
-	Southeast Corner of Basement	18	0	<u> </u>	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
	Smk Dram	37	0	0	21.3	31	2	NM	21.1
	Todet Drain (Plugged) Shower Drain (Plugged)	26	0	0	21.4	3.8	2	NM NM	21.1
-	Sauna Drain (Rag Stuffed in Drain)	42	0	0	21.4	33	2	NM	21.1
	Crack in floor (NE corner, AS-1)	200-350	0	0	21.4	_31	2	NM	21.2
	Crack in floor (north of sump, AS-2)	>1000	0	0	21 4	3	2	NM	21.2
140	7 W Golf								
	Background (N. of Bidg)	0.5	0	0	21,4	0.8	2	NM	21.4
	Breathing Zone of Basement	50	0	0	21.4	48	2	NM	21.2
	Southwest Corner of Basement	47	0	0	21.4	48	2	NM	21.3
	Southeast Corner of Basement	- 19	0	0	21.4	4	2	NM NM	21.3
	Northwest Corner of Basement	35-45	0	0	21.4	48	2	NM NM	21.3
	Northeast Corner of Basement Top of Sump	<u></u> 54	0	0	21.4	5.9	2	NM	21.3
	Crack in Floor Near N. Wall (Center)	22	0	0	21 5	46	2	NM 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
141	5 & 1419 W Golf								
	undry Room								
_	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	53	2	NM	21.4
	Southwest Corner of Basement	36	0	0	21	48	2	NM	21.3
	Southeast Corner of Basement	35 to >100 36	0	0 0	21	<u>58</u> 52	2	NM NM	21.3
	Northwest Corner of Basement Northeast Corner of Basement	36	0	0	21	53	2	NM	21.5
	Sump (No pump installed)	>1000	21		21	320	1	NM	21
Si	gn Making Room						1		
	Breathing Zone of Basement	.\8	0	0	21	65	2	NM	21.5
	Southwest Corner of Basement	42	0	0	21	05	2	NM	21.4
	Southeast Corner of Basement	200-440	0	0	21.1	63	2	NM _	21.4
	Northwest Comer of Basement	40 40-60	<u>o</u>	0	21.1	<u>68</u>	2	NM NM	21.4
	Crack in Floor (Center)	55-66	0	0	21	220	2	NM NM	21.4
-	Floor Drain (Blocked)	300-540	<u> </u>		21.2	7.5	2	NM	21.2
				•					
42	5 W. Golf						.		
	Background (N. of Bidg)	06	0	0	21.1	0.8	2	NM	21.4
	Breathing Zone of Basement	46	0	0	21.2	6.7	<u> </u>	NM_	21.5
	Southwest Corner of Basement Southeast Corner of Basement	60 64	0	0	21 1	<u>69</u> 72	2	NM NM	21.4
	Northwest Corner of Basement	32	0	0	21 2				21.4
_	Northeast Comer of Basement	41	0	0	21 2	08	2	NM 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) Floor Drain (blocked)	100-300	0	0	213	25	2	NM NM	21.2
		>1000	>100		21.2	225	2	NM	21.1
143	W Golf Background (S. of Bidg)			<u> </u>				1 NR 1	
	Beckground (S. of Bidg) Breathing Zone of Besement	06	0	0	21 1	<u>0.8</u> 4.7	2 2	NM NM	21.4
-	Southwest Corner of Besentent	38	0	0	21.2	4.7	2	NM	21.4
_		50	0	0	21.2	56	2	NM	21.4
	Southeast Corner of Bessment		0	0	21.3	43	2	NM	21.3
	Northwest Corner of Becoment	13			21.3	ó	2	NM	21.4
_	Northwest Corner of Besenrent Northeast Corner of Besenrent	8	0	0				*	
_	Northwest Corner of Besentent Northeast Corner of Besentent Top of Sump (SW corner)	<u>8</u> 36	0	0	21.2	ó	2	NM	21.4
	Northwest Corner of Besentent Northeast Corner of Besentent Top of Sump (SW corner) Shower Drain	8 36 22	0 0 0	0	21.2 21.3	6 14	2 2	NM	21.3
	Northwest Corner of Bestmant Northeast Corner of Bestmant Top of Sump (SW corner) Shower Drain Surk Drain	8 36 22 26	0 0 0 0	0 0 0	21.2 21.3 21.2	<u>ó</u> 14 14	2 2 2	NM NM	21.3 21.3
	Northwest Corner of Besement Northeast Corner of Besement Top of Sump (SW corner) Shower Drain Sink Drain Toilet	8 36 22	0 0 0	0	21.2 21.3	6 14	2 2	NM	21.3
	Northwest Corner of Besement Northeast Corner of Besement Top of Sump (SW corner) Shower Drain Sark Drain Toulet W Golf Road	8 36 22 26 26	0 0 0 0	0 0 0 0	21.2 21.3 21.2 21.2 21.3	6 14 14 14	2 2 2 2 2	NM NM NM	21.3 21.3 21.3
145	Northwest Corner of Besement Northeast Corner of Besement Top of Sump (SW corner) Shower Drain Shower Drain Suck Drain Toulet W Golf Road Background (S of Bldg)	8 36 22 26 26 0 6	0 0 0 0 0		21 2 21 3 21 2 21 3 20 9	6 14 14 14 08	2 2 2 2 2	NM NM NM	21.3 21.3 21.3 21.4
145	Northwest Corner of Besement Northeast Corner of Besement Top of Sump (SW corner) Shower Drain Suk Drain Toilet I W Golf Road Background (S of Bldg) Breathing Zone of Basement	8 36 22 26 26 0 6 950-1000	0 0 0 0 0		21 2 21 3 21 2 21 3 21 3 20 9 21	6 14 14 14 08 530	2 2 2 2 2 2	NM NM NM NM	21.3 21.3 21.3 21.3 21.4 21.4 21.3
145	Northwest Corner of Besement Northeast Corner of Besement Top of Sump (SW corner) Shower Drain Shower Drain Suck Drain Toulet W Golf Road Background (S of Bldg)	8 36 22 26 26 0 6	0 0 0 0 0		21 2 21 3 21 2 21 3 20 9	6 14 14 14 08	2 2 2 2 2	NM NM NM	21.3 21.3 21.3 21.4
145	Northwest Corner of Basement Northeast Corner of Basement Top of Sump (SW corner) Shower Drain Sink Drain Toilet I W Golf Road Background (S of Bldg) Breathing Zone of Basement Southwest Corner of Basement	8 36 22 26 26 950-1000 >1000			21 2 21 3 21 2 21 3 21 2 21 3 20 9 21 21	6 14 14 14 14 08 530 510	2 2 2 2 2 2 2 2 2 2 2 2 2	NM NM NM NM NM	21.3 21.3 21.3 21.4 21.4 21.3 21.2
145	Northwest Corner of Basement Northeast Corner of Basement Top of Sump (SW corner) Shower Drant Snuk Dran Toilet IW Golf Road Background (S of Bidg) Breathing Zone of Basement Southwest Corner of Basement Northwest Corner of Basement Northwest Corner of Basement Northeast Corner of Basement Northeast Corner of Basement Northeast Corner of Basement Northeast Corner of Basement	8 36 22 26 950-1000 >1000 >000-1000 >1000 990			21 2 21 3 21 2 21 3 20 9 21 21 20 9 20 9 20 9 20 9	6 14 14 14 14 08 530 510 510 740 540	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	NM NM NM NM NM NM NM NM	21.3 21.3 21.3 21.3 21.4 21.3 21.2 21.2 21.2 21.2 21.2
145	Northwest Corner of Basement Northwest Corner of Basement Top of Sump (SW corner) Shower Drain Suik Drain Toilet I W Golf Road Background (S of Bldg) Breathing Zone of Basement Southwest Corner of Basement Northeast Corner of Basement Northwest Corner of Basement Northwest Corner of Basement Northwest Corner of Basement Northeast Corner of Basement Top of Sump (south wall)	8 36 22 26 950-1000 >1000 >1000 >1000 >1000 >1000		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	21 2 21 3 21 2 21 3 21 2 21 3 20 9 21 21 20 9 20 9 20 9 20 9 20 9 21 9 20 9 20 9 21 2 21 3 21 2 21 2 20 9 20 9 20 20 9 20 9 20 20 20 20 20 20 20 20 20 20	6 14 14 14 530 510 510 740 540 800	2 2 2 2 2 2 2 2 2 2 2 2 2 3	NM NM NM NM NM NM NM NM NM	21.3 21.3 21.3 21.3 21.4 21.4 21.3 21.2 21.2 21.2 21.2 21.2 21.2 21.2
145	Northwest Corner of Basement Northeast Corner of Basement Top of Sump (SW corner) Shower Drant Snuk Dran Toilet IW Golf Road Background (S of Bidg) Breathing Zone of Basement Southwest Corner of Basement Northwest Corner of Basement Northwest Corner of Basement Northeast Corner of Basement Northeast Corner of Basement Northeast Corner of Basement Northeast Corner of Basement	8 36 22 26 950-1000 >1000 >000-1000 >1000 990			21 2 21 3 21 2 21 3 20 9 21 21 20 9 20 9 20 9 20 9	6 14 14 14 14 08 530 510 510 740 540	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	NM NM NM NM NM NM NM NM	21.3 21.3 21.3 21.3 21.4 21.3 21.2 21.2 21.2 21.2 21.2

Table 3 Crawlspace Screening Results 1301 Buck Avenue Waukegan, Illinois

		November	18, 1994	
			CGI	
	FID		HYDROG	EN
	(ppm)	LEL	SULFIDE	OXYGEN
LOCATION		(Percent)	(ppm)	(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
		T		

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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

Distribution:

- 1 Copy Richard Boice, P.E., U. S. Environmental Protection Agency
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- 1 Copy Dale Vitale, Outboard Marine Corporation
- 2 Copies Golder Associates Inc.

November 1994

933-8136.07

FROM: Golder Associates Inc.

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

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)

						2				>								
Date Montoring Location	Febru FID (ppm)	February 28, 1994 CGI) %LEL %(Set Si %Oxygen	Mar FID (ppm)	March 17, 1994 CGI %LEL	See SGI KOxygen	▼ Cid (inde)	April 15, 1994 CGI %LEL %(ed Gi KOrygen	A Dir (mod)	May 19, 1994 CGI %LEL %	94 GI KOxygen	Jur FID (ppm)	June 23, 1994 CGI %LEL %C	4 Si XOngen	L (mqq)	July 22, 1994 CGI	1994 CGI KOxygen
2122 Yeoman Street		NM(5)	NM(5)															
(Evoy Property) Background Sump (SW corner) Floor Drain SW corner) Entrance to crawl space	0000			001030 10 15	0000	20 8 8 8 8 20 8 20 8	022.0 055.0	0000	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	4 4 4 Q 4 Q 4 4 4	0000	208 208 207 207	0000	0000	8 8 6 6 0 8 8 0 0 8 0 0 8	33 00 00	0000	202 202 202 203
Floor/well joints. North well South well East well Vest well	0000			15 to 2.0 10 to 2.0 15 to 2.0 10 to 2.0		2088 2088 2088 2088 2088 2088 2088 2088	0000	0000 0000	20 8 8 8 20 8 20 9	4 4 4 4 10 M 10 10	0 0 0 0 0 0 0 0	201 206 207 207		0000				
1615 Sunset Avenue (Terrace Nursing Home) Background	(E)MN	(E)MN	(E)MN	0.0 to 1.0	00	20.8	00	00	20.8	00	00		00	0	a ne	0	Ċ	E OC
Laundry Rocom Ambient Air Crack in froor (E-W @ E)				12 0 90 0								207						
Crack m floor (N-S (G) S) Floor drain (East) Floor drain (West)				9 0 0 0 0 0 0	000	210 208 208	5 8 8 5 8 8	000	20 8 20 8 20 7	39 20 20 20 20 20 20 20 20 20 20 20 20 20	000	207 207 207	000	000	210 210 210	13 16 8	000	20 2 20 3 20 2
Ambient Air Cracks en concrete				10.0	00	20.8	0 . 4	0.0	20.8	1.8	00	20.7	00	0 0	210	06	0 0	20.2
Mid room, N-S & S East end, N-S & center East well, & breathing zone Medical records room(Ambient Air) Lunch Room(Ambient Air) Maintenaros morni Ambient Air)				0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000	8 8 8 8 8 8 2 2 2 2 2 2 3 3 5 2 2 2	805058 805058	000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	14 18 22 NM(6)	00 00 00 00 00 00 00 00 00 00 00 00 00	20 7 20 7 20 8 20 8 0 8	000000 0000000000000000000000000000000	00 00 00 00 00 00	210 210 210 NM(6)	000000		202 202 203 203
Bouler room: Ambient Air Floor drein Har Safor(Ambient Air)				0010		2088 31088 31088				4 9 4 0 j		20 8 20 8 20 8		0 0 0 0 - 0 - 0	0 8 8 8 0 8 0 0 8 0 0 8			50 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
Activities room Activities room Ambeent Air Floor drain						8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	2.44 55.0			- 4 - 7 - 7		208 208			20 8 20 8 20 8			202 203 203
Physiotherapy(Ambient Air) Lounge(Ambient Air) South office(Ambient Air)				0 % W 0 0 Z	0 0 ¥	20 8 20 8	26 1.8 3.2					8 6 8 2 0 8 2 7 7		000				202
South caged storage area (Ambent Air) Activities office(Ambient Air) Vandune recent/Ambient Air)	_			000	000	8 8 8	120					8 8 8 5 0 8	200	000		- 0 0		203 203
NV lunch room(Ambert Air) North caged storage area(Ambert Air) Duct room(Ambert Air)						8 8 0 8 8 8 0 8	30027		8 8 8 8 8 8 8 8	2 1 8 2 1 6 2 1 6	0000	6 6 6 6 0 0 0 0 0 0 0 0	0000	0000	6 6 6 6 8 8 8 8 8 8 8 8	0000	0000	203 203 203 203 203
Open solage Ambienti Air Filoso drain Sum Froom				00	0.0	20.8	20	0.0	20.9	20	00	50.9	00	10	503	000	10	20.2
Sump Ambient Ar				0.0 to 2 0 0 0 to 1 0	0.0	208 208	120.0	0.0	5 0 0 X X	7.0 1.8	00	208 208	420.0	00	6 Q 2 Q	203 00	000	203 202
	-	0 19 19 19	mbustible G	1. CGI - Combustible Gas Indicator	L -													

 Table 1

 Monthly Site Inspection Air Montioning Results

 Yeoman Creek/Edwards Field Landfills RI/FS

FID - Formersmon Detection
 During the February 28, 1994 inspection, access to 1615 Surset
 Avenue could not be obtained.
 Avenue could not be obtained.
 Avenue could not be obtained.
 NM - Not Meesured
 Coll registry - not the February 28, 1994 inspection could not be obtain - ue to mailtunctioning equipment.
 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 RUFS	
--	--

Date	-	August 18, 1994	1994	Sept	September 27, 1994	1994	-	October 18, 1994	1994
Monitoring Location	(ppm)	RIEL	XGI %Oxygen	(mqq)		CGI XChygen	0 iu Mod	ัษม	cci %Oxygen
2122 Yeoman Street (Furv Prinnetv)									
Background	00	0.0	20.8		0.0	206	4.7-5.5	0	20.8
Sump (SW comer)			888		000	9 9 9 9	513		88
From Utan SW corner)				70		2 2	7 9 7 6 7 8	- 0	
Floorwell joints:		2	227		2	2	5	5	
North well		00	210		00	205	52	-	20.8
South well		00	210		00	205	53.1	-	808 208
East vest	an a ci c	0.0	210	5.5	000	205	2	- 0	8 2
	*	0.0	0.17		0	ŝ	7.64	5	
1615 Sunset Avenue									
(Terrace Nursing Home)	0				0	į	ş 	¢	0.00
Laundry Room:	2		5	0	20	₽ . R	3	5	2.5
Ambient Air	1.8	0.0	210		00	204	60.5	0	20.8
Crack in floor (E-W Q E)	2.0	2	208		00	503	28 .2	0	208
Crack in floor (N-S Q S)	1.8 8 9	29	88	80	000	22	2	. .	22
Floor drain (Cank) Floor drain AMant)						2 F	• / ·	- c	
	-	5	2		2	223	5	5	2
Ambient Air	26	00	20.9	08	00	203	551	0	20.7
	ç	ç	Ş		6		5.7.5	c	r Şe
Fact and N.S. Dranter			5 C			R R	25	- -	2 2
East wall, @ breathing zone		00	20.9		000	202	33	0	206
Medical records room(Ambient Air)		00	210		00	20.4	8	0	206
Lunch Room(Ambient Air) Maintenance mont/Ambient Air)	000	000	210	80	000	803	62 7	00	88
Boiler room:		2	0.12		2	5	8	5	ŝ
Ambient Air	00	10	210	07	00	205	52.1	0	20.6
Floor drain	00	00	210	80	00	205	45.2	0	20.6
	7.0	30	210	10		22	8	0 0	22
Activities mom	2	2	0.12	5	2		3	>	0 N2
Ambient Air	•0	0.0	21.0	07	0.0	20.4	65.8	0	206
Floor drain	80	00	210	0 7	8	20.4	973	0	20.6
Physiomerapy(Amolem Air)	10	30	210	99	000	2	828	0 0	205
South office(Ambient Air)	800						2.10	>	2 2
South caged storage area (Ambient Air)	20	80	80	0.5	000	203	36		22
Activities office(Ambient Air)	4.4	00	20.8	0.6	00	203	12	00	206
Vending room(Ambient Air)	10	0.0	50.9	0.3	00	20.2	85.4	0	20.5
NW kunch room(Ambient Air)	90	000	800	е о 0	00	20.4	82.4	0	206
Notth Carged Storage area(Ambient Air)	0 N	30			000	8.8	8	0 0	282
Open Storage	5	2	6 2	4	2	•	8	5	200
Ambient Air	00	00	503	0.2	0.0	20.4	839	0	206
Floor drain	2:0	00	5 08	02	0.0	203	1592	4	20.5
	503	0	e çe	80	0		1000	~	ş
Ambient Air	0.4	00	503	40	00	8	2 1 8	• 0	22

Table 2 Beament Screening Results 1401 Through 1451 West Golf Road Building Weakegan, filmous

Г		I	October 6, 1	994		I	October 11,	1994	
				CGI			1	CGI	
		FID		HYDROGEN		FID		HYDROGEN	
		(ppm)	LEL (Percent)	SULFIDE	OXYGEN (Percent)	(ppm)	LEL	SULFIDE	OXYGEN
	CATION	<u> </u>	(Percent)	(ppm)	(Percent)		(Percent)	(ppm)	(Percent)
1.40	DI W Golf	04	T 0	0	20.8		1		1 1914
-	Background (N of Bidg) Breathing Zone of Basement	82	0	0	20.8	34	0	NM NM	NM NM
	Southwest Corner of Basement	82	0	0	20.8	35	0	NM	NM
	Southeast Corner of Basement	120	1 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 Dran	75	0	0	20.8	38	<u> </u>	NM	NM
	Toilet Drain (Plugged)	?5	<u> </u>		20.8	38	0	<u>NM</u>	NM
	Shower Drain (Plugged) Sauna Drain (Rag Stuffed in Drain)	95	1	0	20 8	48	0	NM	NM
	Crack in floor (NE corner, AS-1)	>1000.0	41	0	20.8	>1000	59%	NM NM	NM NM
-	Crack in floor (ive corner, AS-1)	>1000.0		0	20.6	>1000	11	NM	NM
			.	4			<u> </u>		1.144
140	7 W. Golf	04	1 0	0	20 8	<u> </u>	1 0	NM	NM
	Beckground (N. of Bidg) Breathing Zone of Basement	12	1-0-	0	20 8	8	0	NM NM	NM NM
	Southwest Corner of Basement	15	1 0		20.8	8	- °	NM	NM
	Southeast Corner of Basement	18	0	0	20 8	6	ŏ	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
	Cruck in Floor at S. Wall	18	0	0	20 8	8	0	NM	NM
	Floor Dram	40-50	0	0	20 8	11	0	NM	NM
141	5 & 1419 W Golf								
L	aundry Room								
	Background (N. of Bidg)	1	0	0	20 8	2	0	NM	NM
	Breathing Zone of Basement	10	0	0	207		0	NM	NM
	Southwest Corner of Basement	12	0	00	20 8	5	<u> </u>	NM NM	NM NM
	Southeast Corner of Basement	12		0	20.8	6	0	NM NM	NM NM
	Northeast Corner of Basement	12	- 0	0	20 8	8		NM	NM
	Sump (No pump installed)	>1000	15	0	20.6	225		NM	NM
ŝ	ign Making Room						t t		
	Breathing Zone of Basement	25	0	0	20 8	10	0	NM	NM
	Southwest Corner of Besement	25	0	0	20.8	12	0	NM	NM
	Southeast Corner of Basement	25	<u> </u>	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
_	Cruck in Floor (Center)	23	0	0	20 8	8	0	NM	NM
	Floor Dram (Blocked)	200	0	0	20 8	290	0	NM	NM
142	IS W. Golf								
142	Background (N. of Bidg)	1.2	0	0	20 8	0	0	NM	NM
	Breathing Zone of Besement	53	ō	0	20 7	11	0	NM	NM
	Southwest Corner of Basement	85	0	0	20 8	13	0	NM	NM
	Southeast Corner of Basement	4	0	0	20 8	21	0	NM	NM
_	Northwest Corner of Basement	53	0	0	20 8	12	0	NM	NM
_	Northeast Corner of Basemont	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		NM NM	NM
	Crack in Floor of Workroom (North)	70	0	0	20 8	62	0	NM .	NM
_	Floor Dram (blocked)	>1000	>100	0	< 19.3	130	0	NM	NM
143	II W. Golf		·						
	Background (S. of Bidg)		⊢				0	NM	NM
	Breathing Zone of Beautient	45	0		20 8	14	0	NM	NM
	Southwest Corner of Beegnest	50		0	20 8	12		NM NM	NM
	Southeast Corner of Bassment Northwest Corner of Bassment	46	- 0	0	20 B 20 B	<u>12</u> 8	0	NM NM	NM NM
_	Northeast Commer of Basemant	23	0	0	20 8	0	0	NM	NM
	Top of Sump (SW corner)	50		0	20 8	12	0	NM	NM
	Shower Dram	32	- ŏ - I	0	207	11	Ő	NM	NM
-	Sink Drain	100	0	0	207	30	0	NM	NM
_	Toilet	100	0	0	20 7	35	0	NM	NM
1.44	1 W. Golf Road								
. 43	Beckground (S. of Bidg)		0	0 1	20.8	1-2	0	NM	NM
_	Breathing Zone of Basement	320	$\frac{3}{3}$	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 Bessment	400	2	0	20.7	325	0	NM	NM
_	Northeast Corner of Basement	300	2	0	20.7	450		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) Floor Drain	>1000	35	0	20.4	500	1	NM	NM
		250	2		20.6	320	0	NM	NM

Notes: NM= Not Measured

Table 2 Besement Screening Results 1401 Through 1451 West Golf Road Building Weukegan, Illinois

r	······	T	October 20,	1004		T	October 24,	1004	
				CGI				CGI	
		FID		HYDROGEN		FID		HYDROGEN	
		(ppm)	LEL	SULFIDE	OXYGEN	(ppm)	LEL	SULFIDE	OXYGEN
LOCATION		Į	(Percent)	(ppm)	(Percent)	ļ	(Percent)	(ppm)	(Percent)
1401 W Golf					10.0		+		
Background (N. of Bidg) Breathing Zone of Basemen		0	0	0	20 8	0.8	0	0	21
Southwest Corner of Baser		10		0	20 8	31	+ <u> </u>	0	21
Southeast Corner of Basen	nent	15	1	0	20 8	60	0	0	20.9
Northwest Corner of Baser		22	1	0	20 8	31	0	0	21
Northeast Corner of Baserr	nent	42	0	0	20 8	80	0	0	20.9
Top of Sump Sink Dnain		190	2	0	20 8	>1000 48	4	0	20 7
Toulet Drain (Plugged)		10			20 8	46	0	0	20 9
Shower Drug (Plugged)		10	1 1	0	20 8	50	0	0	20.9
Sauna Dram (Reg Stuffed a		11	0	0	20.8	42	0	0	20.9
Crack in floor (NE corner, .		>1000	18	0	20.5	>1000	10	0	20.9
Crack in floor (north of sur	np, AS-2)	>1000	3	0	20 8	>1000	3	0	20 8
1407 W. Golf		_							r
Beckground (N. of Bidg)		0	<u> </u>	<u> </u>	20 7	0.8	<u> </u>	0	21
Breathing Zone of Basemen Southwest Corner of Baser		12	1 0	0	20.7	4.2	0	0	20.7
Southeast Corner of Baser		13	1 1	0	20.8	42	0	0	20.7
Northwest Corner of Baser		12	<u>i</u>	0	20.8	3.7	i õ	0	20.7
Northeast Corner of Basen		12	0	0	20 8	3.8	0	0	20.7
Top of Sump		21	1	0	20 8	8.5	- O	0	20.7
Crack in Floor Near N. Wa Crack in Floor at S. Wall	(Center)	12	1	0	20 8	3.7	0	0	20.6
Floor Drain		15	+	0	20.8	38	0	0	20.6
			<u> </u>				·	0	10.0
1415 & 1419 W. Golf Laundry Room			1				T		
Beckground (N. of Bidg)		0	0	0	20.8	0.8	0	0	21
Breathing Zone of Basemer	nt	75	1	0	20 7	41	0	0	21.6
Southwest Corner of Baser	nent	6	1	0	207	41	0	0	21.5
Southeast Corner of Baser		8		0	207	48	0	0	21.5
Northwest Corner of Baser		12	ŧ <u>−</u> <u>⊦</u>	0	20 7	41	0	0	21.5
Northeast Corner of Basem Sump (No pump installed)		8		0	20.7	9	- 0	0	21.6
Sign Making Room		<u>·*</u>	<u> '</u> '				- -		
Breathing Zone of Basemer	ndt	20	1 1	0	20.7	54	0	0	21.6
Southwest Corner of Baser		30	1	0	20.7	55	0	0	21.6
Southeast Corner of Baser		20		0	20.7	5.1	0	0	21.5
Northwest Corner of Basen Northeast Corner of Basen		23	<u> </u>	0	20 7 20 7	51	0	0	21.5
Crack in Floor (Center)	<u> </u>	25		0	20 7	6	ŏ	0	21.5
Floor Drain (Blocked)		70	<u> </u>	0	20.7	210	NM	NM	NM
1425 W. Golf			·						·
Background (N of Bidg)		0	0	0	20.8	0.8	0	0	21
Breathing Zone of Basemer Southwest Corner of Basem			1	0	20.7	20	0	0	21.5
Southeast Corner of Basen		13	0	0	20.8	20	0	0	21.5
Northwest Corner of Besen		15	0	0	20 8	18	0	0	21.4
Northeast Corner of Basem	ent	15	0	0	20 8	15	0	0	21.4
Top of Sump		18	1	0	20.8	36	0	0	21.5
Cruck in Floor New Southe Cruck in Floor of Workroot		30	1	0	20.8	<u> </u>	0	0	21.4
Floor Drain (blocked)		250	2	0	20.8	120	0	0	21.4
1431 W. Golf							· · · · · · · · · · · · · · · · · · ·		
Beckground (S. of Bidg)			0	0	20.8	0.8	0	0	21
Breathing Zone of Beaution		6	Ō	0	20.8	8	0	0	21.5
Southwest Corner of Baser	Derat	12	1	0	20.7	7.4	0	0	21.4
Southeast Corner of Bener		11		0	20 7	88	<u> </u>	0	21.4
Northwest Corner of Been Northeast Corner of Been			0	0	20.8	<u>64</u> 52	0	0	21.4
Top of Sump (SW come		12	1	0	20.8	31	0	- 0	21.5
Shower Drain		6	i i	0	20.7	63	0	0	21.5
Sink Drun		10	0	0	20.8	58	0	0	21.5
Toilet		<u> </u>	0	0	20.8	17	0	0	21.5
1451 W Golf Road									
Beckground (S. of Bidg)		0	0	0	20.8	08		0	21
Breathing Zone of Besemer			3		20.7	215			21.4
Southwest Corner of Besen Southeast Corner of Besen		450	2	0	20.7	200	$-\frac{1}{1}$	0	21.4
Northwest Corner of Basen		650	3	0	20.3	240		- 0	21.4
Northeast Corner of Basem		520	3	0	20.5	280	1	0	21.4
Top of Sump (south we		580	3	0	20.7	290		0	21.5
Crack in Floor (Center of B	esement)	>1000	>100	0	20.6	210	1	0	21.4
Crack in Floor (West End)		750	4	0	20 7	210	<u> </u>	0	21.4
Floor Drain		480	3	0	20.6	700	1	0	21.3

Notes: NM= Not Measured

Golder Associates Inc.

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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

Distribution:

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- 2 Copies Golder Associates Inc.

October 1994

933-8136.07

TO: USEPA/IEPA

FROM: Golder Associates Inc.

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

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	Feb FID	nuary 28, 1	1994 :GI	Mar FID	rch 17, 19	994 XGI	FID	April 15, 1	994 CGI	FID	May 19, 1	994 CGI	JI FID	une 23, 1	994 CGI	FID	July 22, 1	994 CGI
Location	(ppm)	%LEL	%Oxygen	(ppm)	%LEL	%Oxygen	(ppm)		%Oxygen	(ppm)		%Oxygen	(ppm)		%Oxygen	(ppm)		%Oxyger
2122 Yeoman Street		NM(5)	NM(5)															
(Evoy Property)				1														
Background	00			00 to 30	0.0	20.8	00	00	20.8	45	00	20.8	00	00	20.8	00	00	20 2
Sump (SW corner)	0.0			10	00	20.8	22 0	00	20.8	48 45	00 00	208 207	00	00	20 8 20 9	32 00	00	20 2
Floor Drain SW corner)	0.0			10	00	208 208	05	00	20 8 20 8	4 D 6 4	00	207	10	00	20.9	00	00	20 2 20 3
Entrance to crawl space Floor/wall joints	00			1.5	00	20.0	03	00	20.0	04	00	207	10	00	20.9	00	00	20.3
North wall	00			1 5 to 2 0	00	20.8	05	00	20.8	45	00	207	00	00	20 9	21	00	20 4
South wall	00			1 0 to 2 0	00	20.8	05	õõ	20 8	47	00	20.6	00	00	20.9	14	00	20 5
East wall	0.0			15 to 20	00	20.8	05	00	20.8	45	õõ	20 7	00	00	20.9	18	00	20 5
West wall	0.0			1.0 to 2.0	00	20 8	05	00	20 8	45	00	20 7	00	00	20 9	18	00	20 5
1615 Sunset Avenue (Terrace Nursing Home)	NM(3)	NM(3)	NM(3)															
Background				0.0 to 1.0	00	20.8	0.0	00	20.8	0.0	00	20.8	00	00	20.8	00	00	20.3
Laundry Room				1						÷								
Ambient Air				120	00	21.0	28	00	20 9	35	00	20 7	00	00	210	22	00	20 4
Crack in floor (E-W @ E)				90.0	00	210	36	0 0	208	35	00	20 7	20	00	210	10	00	20 3
Crack in floor (N-S @ S)				40.0	00	21 0	40	00	20.8	35	00	20.7	00	00	210	13	00	20 2
Floor drain (East)				10 0	00	208	28	00	20 8	56	00	20 7	00	00	210	16	00	20 3
Floor drain (West)				10 0	00	20.8	20	00	20 7	29	00	20 7	00	00	210	68	00	20 2
Linen Room				10.0	0.0	20.0	4.0		20.0		~ ~	20.7		0.0	24.0	0.0	0.0	20.2
Ambient Air				100	00	20 8	40	0.0	20 8	18	00	20.7	00	00	210	06	00	20 2
Cracks in concrete: Mid room, N-S Ø2 S				10.0	00	20.8	58	00	20.8	14	00	20 7	00	00	210	00	0.0	20.2
East end, N-S @ center				100	00	208	52	00	208	18	00	20.7	00	00	210	05	00	20 2
East wall, @ breathing zone				120	00	20.8	10	00	20 8	18	ŏŏ	20 7	őő	00	210	00	őő	20 2
Medical records room(Ambient Air)				00	0.0	20.8	52	00	20 8	22	00	20.8	00	00	210	00	00	20 3
Lunch Room(Ambient Air)				05	00	208	30	00	208	NM(6)	NM(6)	NM(6)	NM(6)	NM(6)	NM(6)	00	00	20 3
Maintenance room(Ambient Air)				00	00	20.8	5.8	00	20 9	1.4	0.0	20.7	0.0	10	20.8	00	10	20 3
Boiler room:																		
Ambient Air				00	00	20.8	34	00	20 9	06	00	20.8	00	00	20 8	00	00	20 3
Floor drain				00	00	20.8	34	00	20 9	04	00	20.8	00	10	20.8	0.0	10	20 3
Hair Salon(Ambient Air)				140	00	21 0 20 8	48	00	20.9	90	0.0	20.8	00	00	20 9	00	00	20 4 20 2
North office(Ambient Air) Activities room.					00	208	29	00 00	20 9	15	0.0	20 8	00	10	20 9	00	10	20 2
Activities room				00	00	20.8	24	00	20.9	42	00	20.8	00	10	20 9	00	10	20.3
Floor drain				00	00	20.8	550	00	20 8	24	00	20.8	00	10	20 9	00	10	20 2
Physiotherapy(Ambient Air)				00	00	20.8	2.6	00	20 9	20	00	20.8	00	0 Ő	20 9	00	00	20 2
Lounge(Ambient Air)				05	00	20.8	1.8	0.0	20.9	15	0.0	20.9	00	00	20 9	00	00	20 2
South office(Ambient Air)				NM	NM	NM	32	0.0	20.9	1.8	0.0	20.8	00	10	20 9	01	10	20 1
South caged storage area (Ambient Air)				00	00	20.8	20	00	20 9	21	00	20.9	00	00	20 9	00	00	20 2
Activities office(Ambient Air)	Í			00	00	20.8	1.2	00	20 9	42	00	20.8	00	10	20 9	00	10	20 3
Vending room(Ambient Air)				00	00	20 9	3.2	0.0	20.9	18	00	20.9	00	10	20 9	00	10	203
NW lunch room(Ambient Air)				00	00	210	32	00	20 9	20	00	20.9	00	00	20 9	00	00	20 2
North caged storage area(Ambient Air) Duct room(Ambient Air)				10	00	20 8 20 8	20 32	00	20.9	16	00	20.9	00	10	20.9	00	10	203 202
Open Storage					00	20.0	32	00	20 9	20	00	20 9	00	00	20 9	00	00	20 2
Ambient Air				00	00	20.8	20	0.0	20 9	20	00	20 9	00	10	20 9	00	10	20 2
Floor drain	1						1	0.0	403	20	50	10.3		10	20.3	00	, ,	101
Sump room:																		
Sump				0.0 to 2 0	00	20 8	120.0	0.0	20 9	7.0	00	20.8	420 0	00	20.9	203	00	20 3
Ambient Air				00 to 10	00	20.8	34	0.0	20 9	18	00	20.8	0.0	00	20 9	00	00	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 of the February 28, 1994 inspection could
- not be obtaine, to mailfunctioning equipment 6 Key to room was not accessible

Table 1	Monthly Site Inspection Air Monitoring Results	Yeoman Creek/Edwards Field Landfills RI/FS
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FID CGI CGI FID VEL XCMpgen FID XEL XCMpgen FID XEL / Properior) Zender (perm) %LEL %CMpgen (perm)<	Dete		August 18, 1994	1991	8	September 27, 1994	1 <u>8</u>
ef) 0 0 0 0 2 0 <th0< th=""> 0 0 0</th0<>	Monitoring Location		K LEL	ogi %Oxygen	(bom)		CGI %Oxygen
ef) 00 00 00 00 24 00 occiner() 36 00 206 22 00 occine() 36 00 206 22 00 occine() 36 00 206 22 00 attaces 34 00 210 22 00 <	2122 Yeoman Sreet (Evoy Property)						
mail 35 00 20 22 00 34 00 210 22 00 22 00 34 00 210 22 00 22 00 34 00 210 22 00 22 00 34 00 210 22 00 22 00 34 00 210 22 00 22 00 34 00 210 22 00 22 00 34 00 210 210 22 00 22 00 34 00 210 20 00 22 00 22 00 34 00 20 00 20 00 22 00 22 00 22 00 22 00 22 00 22 00 22 00 22 00 22 00 22 00 22 0	Background Sumo (SW comer)		000	208 208			20 6 20 6
AB 00 208 22 00 3.4 0.0 210 222 00 3.4 0.0 210 222 00 3.4 0.0 210 222 00 3.4 0.0 210 222 00 3.4 0.0 210 222 00 3.4 0.0 210 222 00 3.4 0.0 203 0.8 0.8 0.0 3.4 0.0 203 0.8 0.8 0.0 ath 0.0 203 0.8 0.8 0.0 ath 0.0 203 0.0 210 0.0 ath 0.0 203 0.0 210 0.0 ath 0.0 210 203 0.0 0.0 ath 0.0 210 203 0.0 0.0 ath 0.0 210 203 0.0 0.0 ath </td <th>Floor Drain SW corner)</th> <td></td> <td>8</td> <td>508</td> <td></td> <td>0.0</td> <td>20.6</td>	Floor Drain SW corner)		8	508		0.0	20.6
The second se	Entrance to crawl space		00	208		00	206
F.W.O.E. 34 0.0 210 22 0.0 3.4 0.0 210 22 0.0 3.4 0.0 210 22 0.0 3.4 0.0 210 22 0.0 3.4 0.0 210 22 0.0 a.H.D.S.O.Si) 1.8 1.0 208 0.8 0.0 a.H.D.S.O.Si) 1.8 1.0 209 0.8 0.0 a.H.D.S.O.Si) 2.6 0.0 209 0.8 0.0 a.H.D.S.O.Si) 2.6 0.0 209 0.8 0.0 a.H.D.S.O.Si 2.2 0.0 2.10 2.9 0.0 A.H.D.S.O.Si 2.2 0.0 2.10 2.10 0.7 0.0 A.H.D.S.O.Si 0.3 0.0 2.10 0.7 0.0 A.H.D.S.O.Si 0.0 0.0 2.10 0.7 0.0 A.H.D.S.O.Si 0.0 0.0 2.10 0.7 0.0 <th>North well</th> <td></td> <td>0.0</td> <td></td> <td></td> <td></td> <td>20.5</td>	North well		0.0				20.5
F.W. Ø.E. 3.4 0.0 270 22 0.0 A.S. Ø.S. 5.5 0.0 210 22 0.0 A.S. Ø.S. 5.5 0.0 210 22 0.0 A.S. Ø.S. 5.5 0.0 210 22 0.0 A.S. Ø.S. 5.5 0.0 206 0.8 0.0 A.S. Ø.S. 5.5 0.0 209 0.8 0.0 A.S. Ø.S. 2.6 0.0 209 0.8 0.0 A.S. Ø.S. 2.2 0.0 209 0.8 0.0 A.S. Ø.S. 2.2 0.0 209 0.8 0.0 A.S. Ø.S. 0.0 210 0.0 0.0 0.0 A.S. Ø.S. 0.0 210 0.0 0.0 0.0 A.S. Ø.S. Ø.S. 0.0 210 0.7 0.0 A.S. Ø.S. Ø.S. Ø.S. 0.0 210 0.7 0.0 A.S. Ø.S. Ø.S. Ø.S. Ø.S. Ø.S. Ø.S. Ø.S.	South walk		00				20.5
EWQE EWQE MSQES MSQE	East well West well		000				2 2 2
EW & E) 00 00 00 00 08 08 NS & Si 18 10 210 08 00 NS & Si 20 10 208 08 00 NS & Si 20 10 208 08 00 NS & Si 28 00 209 08 00 NS & Si 28 00 209 08 00 Refe 22 00 209 08 00 MI Ann 03 00 210 08 00 Aun 03 00 210 07 00 Aun 07 00 209	1615 Sunset Avenue						
Queued 00 00 208 08 00 ady Facm Ady Facm 18 10 208 08 00 ady Facm Crack in floor (E-W @ E) 20 10 208 08 00 Crack in floor (E-W @ E) 28 10 208 08 00 Crack in floor (E-W @ E) 28 0 20 208 08 00 Crack in floor (E-W @ E) 28 0 20 209 08 00 Floor drain (Weet) 1.4 0 20 20 0 <th>(Terrace Nursing Home)</th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	(Terrace Nursing Home)						
Any Noom	Beciground	0					
Cracks in floor (E-W @ E) 20 <th2< td=""><th>Laundry Room:</th><td>•</td><td>Ċ</td><td>0.5</td><td>đ</td><td></td><td>Ę</td></th2<>	Laundry Room:	•	Ċ	0.5	đ		Ę
Creation from (NSG 85) 1.8 1.0 209 0.8 0.0 Floor drawn (NSG 85) 1.4 0.0 209 0.8 0.0 Floor drawn (Seat) 1.4 0.0 209 0.8 0.0 Ambernt Air 2.6 0.0 209 0.8 0.0 Cracks in concrete 2.2 0.0 209 0.8 0.0 Ambernt Air 2.5 0.0 209 0.8 0.0 Mat room, NS Q S 2.4 0.0 209 0.8 0.0 Ambernt Air 0.3 0.0 210 0.8 0.0 Ambernt Air) 0.3 0.0 210 0.8 0.0 Ambernt Air 0.3 0.0 210 0.7 0.0	Cards in firms (E.W. @ E)						
Floor drain (Fast) 26 00 209 06 00 Floor drain (Weet) 1.4 00 209 08 00 Annbent Air Annbent Air 26 00 209 08 00 Mail room, N-S @ S 22 00 209 08 00 Mail room, N-S @ S 22 00 209 08 00 Mail room, N-S @ S 23 00 209 08 00 Mail room, N-S @ S 23 00 210 09 00 Annbert Air 03 01 210 08 00 Annbert Air 03 01 210 08 00 Annbert Air 03 01 210 07 00 Annbert Air 03 00 210 07 00 Annbert Air 03 00 210 07 00 Annbert Air 07 00 210 07 00 Annbert Air 07			20	802	80		
Floor drain (Weet) 1.4 0.0 209 0.8 0.0 1 Room Ambient Ar 2 0 209 0.8 0.0 Cracks in concrete Mid room, N.S.Q.S 2.2 0.0 209 0.8 0.0 Mid room, N.S.Q.S 2.2 0.0 209 0.8 0.0 East end, N.S.Q.S 2.2 0.0 209 0.8 0.0 East end, N.S.Q.S 2.4 0.0 209 0.8 0.0 East end, N.S.Q.S com/Ambernt Ar) 0.3 0.0 210 0.8 0.0 Ambernt Ari 0.3 0.0 210 0.7 0.0 Ambernt Ari 0.0 210 0.7 0.0 0.7 0.0 Call foor drain 0.0 210 0.7 0.0 0.7 0.0 Ambernt Ari 0.0 210 0.7 0.0 0.7 0.0 0.7 0.0 Sakon(Ambernt Ari) 0.7 0.0 210 0.7 <th>Floor drain (East)</th> <td>280</td> <td>0</td> <td>508</td> <td>80</td> <td></td> <td>203</td>	Floor drain (East)	280	0	508	80		203
1 Room. Ambient Air 26 0 209 08 0 Cractis in concrete Mid room, N.S.Q.S 2.4 00 209 0.8 0 East end, N.S.Q.S 2.4 00 209 0.8 0 East end, N.S.Q.S 2.4 00 209 0.8 0 East end, N.S.Q.S 2.4 00 209 0.8 0 Anthent Air 0.3 0.0 210 0.8 0 Anthent Air 0.3 0.0 210 0.8 0 Anthent Air 0.3 0.0 210 0.7 0 Saton(Ambert Air) 0.3 0.0 210 0.7 0 Anthent Air 0.3 0.0 210 0.7 0	Floor drain (West)	-	00	209	08		203
Amblemit Air 26 00 209 08 00 Cracks in concretes 24 00 209 08 00 East end, N-S @ center 24 00 209 08 00 East end, N-S @ center 24 00 209 08 00 East end, N-S @ center 28 00 209 08 00 East end, N-S @ center 28 00 209 08 00 East end, N-S @ center 28 00 210 08 00 East end, N-S @ center 28 00 210 08 00 Amberri Air 03 01 210 07 00 Amberri Air 03 01 07 00 07 00 Amberri Air 03 01 07 00 07 00 Amberri Air 03 01 07 00 07 00 Amberri Air 07 00 07 00	Linen Room						
Mid from, NS @ Senter 22 00 209 08 00 East end, NS @ center 24 00 209 08 00 East end, NS @ center 28 00 209 08 00 East end, NS @ center 28 00 209 08 00 East end, NS @ center 28 00 210 08 00 At Records room(Ambernt Air) 03 01 210 08 00 Ambernt Air 03 01 210 07 00 Sakon(Ambernt Air) 03 01 210 07 00 Contrant 03 01 210 07 00 Contrant Air 03 01 07 00 07 00 Contrant Air 03 01 01 07 00 07 00 Anbernt Air) 03 01 07 00 07 00 07 00 Anbernt Air) 03							203
East end, N-S © contert 2.4 0.0 209 0.1 0.0 <th0.0< th=""> 0.0 <th0.0< th=""></th0.0<></th0.0<>			00	о V.	đ		ŝ
East wail. Q breathing zone 2 8 00 210 0 8 00 cal records room(Ambent Air) 03 00 210 0 8 00 cal records room(Ambent Air) 03 00 210 0 8 00 room ambent Air) 06 00 210 0 8 00 Ambent Air 00 10 210 07 00 0 210 08 00 Ambent Air 00 210 01 210 07 00 00 210 01	East end. N.S.O. center		000	20.8	80		
Cali fecords room(Amberit Air) 03 00 210 08 00 An Room(Amberit Air) 03 00 210 08 00 An Room(Amberit Air) 06 00 210 08 00 An Bern Comm(Amberit Air) 06 00 210 08 00 An bern Air 00 210 07 00 210 07 00 Anbern Air 00 210 07 00 210 07 00 Selon(Ambern Air) 03 00 210 07 00 210 07 00 Anthern Air) 03 00 210 07 00			00	209	07		20.2
An Room (Annowent Air) 03 00 210 08 00 A noment Air 0 0 210 08 00 A noment Air 0 0 210 08 00 Flox drawn 0 210 08 00 Flox drawn 0 210 07 00 Flox drawn 0 210 07 00 Flox drawn 0 210 07 00 Ambert Air 0 210 07 00 Flox drawn 0 210 07 00 Ambert Air 0 0 210 07 00 Ambert Air 0 0 20 00 07 00 Ambert Air 0 0 20 00 20 00 Ambert Air 0 0 20 00 00 00 Ambert Air) 0 0 20 00 00 00 Ambert Air) 0 0 0 00	Medical records room(Ambient Air)		0	210	08		204
Ambernt Air 00 210 03 00 Ambernt Air 00 10 210 07 00 Floor drawn 00 210 07 00 01 07 00 Floor drawn 00 210 07 00 01 07 00 Floor drawn 00 210 07 00 07 00 Toffoor drawn 02 00 210 07 00 07 00 Toffoor drawn 03 00 210 07 00 07 00 Toffoor drawn 03 00 210 07 00 07 00 Toom Admeent Air) 07 00 210 07 00	Lunch Room(Ambient Air)		8	210	80		ຂີ່ຂ
Ambernt Aur Floor drawn 00 10 210 07 00 Floor drawn 00 02 00 210 07 00 Selon(Ambernt Aur) 02 00 210 07 00 Ambernt Aur) 03 00 210 07 00 Ambernt Aur) 03 00 210 07 00 Ambernt Aur) 03 00 210 07 00 Ambernt Aur 03 00 210 07 00 Ambernt Aur 04 00 210 07 00 Ambernt Aur 07 00 210 07 00 Anthernt Aur) 07 00 209 05 00 Anthernt Aur) 07 00 209 03 00 Anthernt Aur) 07 00 209 03 00 Anthernt Aur) 07 00 209 03 00 Anthernt Aur 07 <th>Makineriance room(Amorani Air)</th> <td></td> <td>5</td> <td>017</td> <td>80</td> <td></td> <td>24</td>	Makineriance room(Amorani Air)		5	017	80		24
Floor dram of floor dram Display is a promover Aury D			10		7.0		20.5
Sakon(Amberrt Air) 02 00 210 07 00 1 office(Amberrt Air) 03 00 210 07 00 1 office(Amberrt Air) 03 00 210 07 00 Amberrt Air) 03 00 210 07 00 Amberrt Air) 08 00 210 07 00 Amberrt Air) 07 00 210 07 00 octherapy(Amberrt Air) 07 00 209 05 00 octhoreart Air) 07 00 209 07 00 octoreart Air) 07 00 209 03 00 octoreart Air) 07 00 209 03 00 test of thoreart Air) 110 00 209 03 00 test of storage area (Amberrt Air) 07 00 209 03 00 test of storage area (Amberrt Air) 07 00 209 03 00 <th>Floor drawn</th> <td></td> <td>00</td> <td></td> <td>0.8</td> <td></td> <td>205</td>	Floor drawn		00		0.8		205
Ambleerid Auty 70.3 00 210 07 00 0.4 0.0 210 07 00 0.7 00 210 07 00 0.8 00 210 07 00 0.7 00 210 07 00 0.8 00 209 05 00 1.4 00 209 05 00 0.7 00 00 00 00 00 00 00 00 00 00 00 00 00	Hair Salon(Ambient Air)		00		07		20.5
Amblerit Air) 703 703 710 700 709 700 709 700 709 700 709 700 70	North office(Ambient Air)		00		07		20.4
Ambient Air) 70 710 710 710 710 710 710 710 710 700 710 700 710 700 710 700	Activities room						:
Amblernt Air) (1			000	21.0			R a
Amblern Arr) 06 00 209 06 00 14 00 209 06 00 14 00 209 05 00 14 00 209 05 00 06 00 209 03 00 07 00 209 03 00 07 00 209 02 00 70 3 00 209 02 00 209 02 00 70 3 00 209 02 00 200 02 00 209 02 00 200 02 00 209 02 00 200 02 00 200 02 00 200 00 00 200 000 00 200 000 00 200 000 00 200 000 00 200 000 00 200 000 00 200 000 0000000000	Physiotherany(Ambert Air)			21.0			
Vr) 0.0 20.9 0.7 0.0 area (Ambient Arr) 0.7 0.0 20.9 0.7 0.0 or Aur) 1.4 0.0 20.9 0.5 0.0 or Aur) 1.4 0.0 20.9 0.5 0.0 or Aur) 1.4 0.0 20.9 0.3 0.0 or Aur) 1.0 20.9 0.3 0.0 or Aur) 0.6 0.0 20.9 0.3 0.0 or Aur) 0.6 0.0 20.9 0.3 0.0 or Aur) 0.6 0.0 20.9 0.2 0.0 or Aur) 0.6 0.0 20.9 0.2 0.0 or Aur) 0.7 0.0 20.9 0.2 0.0 or Aur) 0.0 20.9 0.2 0.0	I current Arhitent Air)			0.00			
area (Ambient Air) 07 00 209 05 00 et Air) 14 00 208 05 00 f Air) 114 00 208 05 00 f Air) 16 00 209 03 00 read/mbient Air) 06 00 209 02 00 read/mbient Air) 07 00 209 02 00 read/mbient Air) 07 00 209 02 00 70 00 209 02 00	South office(Ambient Air)		000	505			18
M Au') 1.4 00 208 06 00 M Au') ent Au') 10 00 209 03 00 ent Au') 06 00 209 03 00 07 00 209 02 00 07 00 209 02 00 70 3 00 70 4 70 7 70 70 7 70 70 70 70 70 70 70 70 70 70 70 70 70 70 70 70 70 7	South caged storage area (Ambient Air)		00	208			203
m(Amblent Air) 10 00 209 03 00 om(Amblent Air) 06 00 209 03 00 om(Amblent Air) 06 00 209 03 00 storage area(Amblent Air) 07 00 209 02 00 mblent Air) 07 00 209 02 00 mblent Air) 07 00 209 02 00 ain 50 00 209 02 00 ain 703 00 209 02 00	Activities office(Ambient Air)		0.0	20.8			203
com(Amblent Air) 06 00 209 03 00 storage area(Amblent Air) 06 00 209 02 00 mblent Air) 07 00 209 02 00 mblent Air) 07 00 209 02 00 mblent Air) 07 00 209 02 00 mblent Air) 01 209 02 00 mblent Air) 00 209 02 00 an 703 00 209 02 00	Vending room(Ambient Air)		00	20.9			202
etorage area(Amberit Air) 06 00 209 02 00 mberit Air) 07 00 209 02 00 Re Air 00 00 209 02 00 Air 703 00 209 02 00 ain 703 00 209 05 00	NW tunch room(Ambient Air)		00	209			5 4
Millionerr Million U/ U/ <thu <="" th=""> U/ U/</thu>	North caged storage area(Ambient Air)		8	80			2
an 00 00 209 02 00 an 209 02 00 209 02 00 209 02 00 209 02 00 209 05 00 200 209 05 00 209 05 00 200 209 05 00 200 209 05 00 200 200 209 05 00 200 200 209 05 00 200 200 200 200 200 200 200 200 2	Crem Strane		0	6 22			20.4
am 50 00 209 02 00		0.0	0.0	602			20.4
703 00 209 05 00	Floor drain	20	00	20.8			ŝ
70.3 0.0 209 05 00	Sump room:						
	Sump	70.3	0.0	208		00	80

933-8136

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

1			September	1, 1994			September	3, 1994	-
				CGI				CGI	
		FID (ppm unless	LEL	HYDROGEN SULFIDE	OXYGEN	FID (ppm unless	LEL	HYDROGEN SULFIDE	OXYGEN
-		noted otherwise)	(Percent)	(ppm)	(Percent)	noted otherwise)	(Percent)	(ppm)	(Percent)
140	W Golf Background (N of Bldg)	0	0	0	20.8	1			10.0
	Breathang Zone of Basement	8	0	0	20.8	36	0	0	19 9 20 4
	Southwest Corner of Basement	10	ő	0	20 8	35	a a	0	20.4
	Southeast Corner of Basement	11	0	0	20 8	07	0	0	20.5
_	Northwest Corner of Basement	12	.0	0	20 8	34	0	0	20.4
	Northeast Corner of Basement	200	0	0	20.8	120	0	0	20 5
	Top of Sump Sink Drun	10	0	0	20 8	<u>500</u> 35	0	0	20 6 20 5
	Toilet Drain (Plugged)	10	0	0	208	37		0	20 5
-	Shower Drain (Plugged)	12	0	0	20.8	38	0	0	20 5
	Sauna Dram (Rag Stuffed in Dram)	12	0	0	20 8	36	0	0	20 5
	Crack in floor (NE corner, AS-1)	250	L L	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
140	7 W Golf								_
	Background (N. of Bidg)	0	0	0	20 8	3.6	0	1	199
	Breathing Zone of Basement	5	<u> </u>	0	20 8	47	0	0	20.6
	Southwest Corner of Basement Southeast Corner of Basement	92	0	0	20 8 20 8	45	0	0	20.6
<u> </u>	Northwest Corner of Basement	5	0	0	208	46	6	0	20.6
	Northeast Corner of Basement	5	0	ů 0	20 8	46	0	0	20.6
	Top of Sump	75	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
	5 & 1419 W. Golf					ļ	<u> </u>		
La	undry Room	0							
_	Background (N. of Bidg) Breathing Zone of Basement	9	0	0	20 8 20 7	<u> </u>	0 NM	0	19.9 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 metalled)	2	0	0	20 7	>1000	NM	0	20.2
_ <u>S</u>	m Making Room Breathung Zone of Basement	7	0	0	20 8	45	NM	0	20.7
⊢	Southwest Corner of Basement	9	0	0	208	43	NM	0	20.7
	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 Dran (Blocked)	38	0	0	20.8	180	NM	<u> </u>	20.6
1.45	5 W. Golf								
142	Background (N. of Bldg)	0	0	0	20 8	3.6	0	1 1	19.9
	Breathing Zone of Basement	14	- ő	0	207	56	- č- l		20.6
	Southwest Corner of Basement	18	0	0	20 7	58	õ	ő	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	207	85	0	0	20.6
_	Crack in Floor Near Southeast Corner Crack in Floor of Workroom (North)	<u>30</u> 32		0	207	<u>\$80</u> >1000	>100 >100	0	20.4
	Floor Dran (blocked)	>1000	>100	0	< 19 5	>1000	>100	0	<12
1 47	W. Golf			·	·····			i	
140	W. Golf Background (S. of Bidg)	0	0	0	20 8	36	0	1	19.9
—	Breathing Zone of Beesment	7.8	ŏ	0	20 7	100	NM		20.7
				0	20 7	100	NM	0	20.7
	Southwest Corner of Berement	12	0						20.7
	Southwest Corner of Besement Southeast Corner of Besement	18	0	0	20 7	150	NM	0	
	Southwest Corner of Basement Southeast Corner of Basement Northwest Corner of Basement	18 <u>6 2</u>	0	0	20 7	150	NM	0	20.7
	Southwest Corner of Basement Southeast Corner of Basement Northwest Corner of Basement Northeast Corner of Basement	18 6.2 6.2	0 0 0	0	<u>20</u> 7 20.7	1 50 490	NM NM	0	<u>20.7</u> 20.6
	Southwest Corner of Basement Southeast Corner of Basement Northeast Corner of Basement Northeast Corner of Basement Top of Sump (SW corner)	18 6.2 6.2 12	0 0 0 0	0 0 0	20 7 20 7 20 7	150 490 420	NM NM NM	0	20.7 20.6 20.6
	Southwest Corner of Basement Southeast Corner of Basement Northeast Corner of Basement Top of Sump (SW corner) Shower Drain	18 6.2 6.2 12 10	0 0 0 0	0 0 0 0	20 7 20 7 20 7 20 7 20 7	150 490 420 180	NM NM NM NM	0 0 0 0	20.7 20.6 20.6 20.7
	Southwest Corner of Basement Southeast Corner of Basement Northwest Corner of Basement Northeast Corner of Basement Top of Sump (SW corner) Shower Drain Sink Drain	18 6.2 6.2 12	0 0 0 0 0	0 0 0 0	20 7 20 7 20 7 20 7 20 7 20 7	150 490 420 180 180	NM NM NM NM	0 0 0 0 0	20.7 20.6 20.6 20.7 20.7
	Southwest Corner of Basement Southeast Corner of Basement Northeast Corner of Basement Top of Sump (SW corner) Shower Drain Sink Drain Toilet	18 6.2 6.2 12 10 10	0 0 0 0	0 0 0 0	20 7 20 7 20 7 20 7 20 7	150 490 420 180	NM NM NM NM	0 0 0 0	20.7 20.6 20.6 20.7
145	Southwest Corner of Basement Southeast Corner of Basement Northeast Corner of Basement Northeast Corner of Basement Top of Sump (SW corner) Shower Drain Shower Drain Shower Drain Toilet W. Golf Road	18 6.2 6.2 12 10 10 10	0 0 0 0 0 0	0 0 0 0 0	20 7 20 7 20 7 20 7 20 7 20 7 20 7	150 490 420 180 180 180	NM NM NM NM NM	0 0 0 0 0 0	20.7 20.6 20.6 20.7 20.7 20.7 20.7
145	Southwest Corner of Basement Southwest Corner of Basement Northwest Corner of Basement Northeset Corner of Basement Top of Sump (SW corner) Shower Drain Sink Drain Toilet W. Golf Road Background (S. of Bidg)	18 6.2 6.2 12 10 10	0 0 0 0 0	0 0 0 0 0 0	20 7 20 7 20 7 20 7 20 7 20 7 20 7 20 7	150 490 420 180 180 180 180	NM NM NM NM NM	0 0 0 0 0 0 0	20.7 20.6 20.6 20.7 20.7 20.7 20.7
145	Southwest Corner of Basement Southeast Corner of Basement Northeast Corner of Basement Northeast Corner of Basement Top of Sump (SW corner) Shower Drain Shower Drain Shower Drain Toilet W. Golf Road	18 6.2 12 10 10 10 0		0 0 0 0 0	20 7 20 7 20 7 20 7 20 7 20 7 20 7	150 490 420 180 180 180	NM NM NM NM NM	0 0 0 0 0 0	20.7 20.6 20.6 20.7 20.7 20.7 20.7
145	Southwest Corner of Basement Southeast Corner of Basement Northeast Corner of Basement Top of Sump (SW corner) Shower Drain Sink Drain Toilet W. Colf Road Background (S. of Bidg.) Breathing Zone of Basement	18 6.2 12 10 10 10 380 300 340	0 0 0 0 0 0 0 0 0 0 1 2 2	0 0 0 0 0 0	20 7 20 7 20 7 20 7 20 7 20 7 20 7 20 8	150 490 420 180 180 180 3.6 570	NM NM NM NM NM NM O NM NM	0 0 0 0 0 0 1 1	20.7 20.6 20.6 20.7 20.7 20.7 20.7 20.7 20.5 20.5 20.6 20.5
145	Southwest Corner of Basement Southwest Corner of Basement Northeast Corner of Basement Top of Sump (SW corner) Shower Drain Sink Drain Toilet W. Golf Road Background (S. of Bldg) Breathing Zone of Basement Southeast Corner of Basement Northwest Corner of Basement Northwest Corner of Basement	18 6.2 12 10 10 10 10 380 380 340 450	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		20 7 20 7 20 7 20 7 20 7 20 7 20 7 20 7	150 490 420 180 180 180 180 3.6 570 500 560 630	NM NM NM NM NM NM NM NM NM		20.7 20.6 20.6 20.7 20.7 20.7 20.7 20.7 20.5 20.5 20.6 20.5 20.6 20.5 20.4
145	Southwest Corner of Basement Southeast Corner of Basement Northeast Corner of Basement Top of Sump (SW corner) Shower Drain Sink Drain Toilet W. Golf Road Background (S. of Bidg) Breathing Zone of Basement Southeast Corner of Basement Northwest Northwest Corner of Basement Northwest North	18 6.2 12 10 10 0 380 300 340 450 340	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	20 7 20 7 20 7 20 7 20 7 20 7 20 7 20 7	150 490 420 180 180 180 180 180 180 500 500 560 630 540	NM NM NM NM NM NM NM NM NM NM	0 0 0 0 0 0 0 1 1 1 0 0 0 0 0	20.7 20.6 20.6 20.7 20.7 20.7 20.7 20.7 20.7 20.5 20.5 20.5 20.6 20.5 20.5 20.4 20.5
145	Southwest Corner of Basement Southeast Corner of Basement Northeast Corner of Basement Top of Sump (SW corner) Shower Drain Sink Drain Toilet W. Golf Road Background (S. of Bidg.) Breathing Zone of Basement Southwest Corner of Basement Northeast Corner of Basement Northeast Corner of Basement Northeast Corner of Basement Top of Sump (south wall)	18 6.2 12 10 10 0 380 300 340 >1000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	20 7 20 7 20 7 20 7 20 7 20 7 20 7 20 8 20 8 20 8 20 8 20 7 20 6 20 7 20 6 20 7 20 6 20 5	150 490 420 180 180 180 36 570 500 500 500 500 500 500 500	NM NM NM NM NM NM NM NM NM NM	0 0 0 0 0 0 0 0 1 1 1 0 0 0 0 0 0	20.7 20.6 20.6 20.7 20.7 20.7 20.7 20.7 20.5 20.6 20.5 20.6 20.5 20.4 20.5 20.4
145	Southwest Corner of Basement Southeast Corner of Basement Northeast Corner of Basement Top of Sump (SW corner) Shower Drain Sink Drain Toilet W. Golf Road Background (S. of Bidg) Breathing Zone of Basement Southeast Corner of Basement Northwest Northwest Corner of Basement Northwest North	18 6.2 12 10 10 0 380 300 340 450 340	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	20 7 20 7 20 7 20 7 20 7 20 7 20 7 20 7	150 490 420 180 180 180 180 180 180 500 500 560 630 540	NM NM NM NM NM NM NM NM NM NM	0 0 0 0 0 0 0 1 1 1 0 0 0 0 0	20.7 20.6 20.6 20.7 20.7 20.7 20.7 20.7 20.7 20.5 20.5 20.5 20.6 20.5 20.5 20.4 20.5

Notes: NM= Not Measured

Table 2 Besoment Screening Results 1401 Through 1451 West Golf Road Building Waukegan, Illimous

Separate 15 (994 FID class Background (N of Bidg) Background (N of Bidg) Background (N of Bidg) Background (N of Bidg) Southeat Corne of Basement 130 100 0 0 Southeat Corne of Basement 131 0 <th>September</th> <th>CGI</th> <th></th>	September	CGI	
Open unless LEL SULFDE OXYGEN (pen unless) 161 W Golf 0 0 0 26 2.3 Bissignund (N of Bidg) 0.8 0 0 20.6 2.3 Bissignund (N of Bidg) 0.8 0 0 20.5 2.2 Southwart Cours of Basement 23.5 2.1 0 20.5 2.9 Vertheast Cours of Basement 23.5 2.1 0 20.5 2.9 Vertheast Cours of Basement 23.5 2.1 0 20.5 2.9 Vertheast Cours of Basement 23.7 0 0 20.5 2.9 Vertheast Cours of Basement 23.7 0 0 20.5 2.10 Toy of Summ (Phaged) 44 0 0 20.5 111 Sume Onen (Phages) 12.8 0 0 20.5 111 Sume Onen (Phages) 13 0 0 20.5 110 Cruck in Boor (NE course, AS-1) >1000 1.0 20			
LOCATION ? notic othermuse (percent) (HYDROGEN	
Description Description <thdescription< th=""> <thdescription< th=""></thdescription<></thdescription<>	LEL	SULFIDE	OXYGEN
Background (N of Bidg) 0.8 0 0.26 2.3 Breachung Jones Of Basement 25 0 0.05 9.2 Southeast Corner of Basement 25 2 0 20.5 8.8 Northeast Corner of Basement 10 2 0 20.5 8.9 Northeast Corner of Basement 10 0 0 20.5 8.9 Northeast Corner of Basement 100 0 20.5 8.9 Northeast Corner of Basement 100 0 20.5 9.7 Northeast Corner of Basement 40 0 0 20.5 9.1 Southeast Corner of Basement 10 0 0.0 20.5 11 Southeast Corner of Basement 10 0 0.0 10.7 10.000 Creat is Boor (Nearch AS-1) >1000 1 0 20.5 3 3 Southwast Corner of Basement 15 0 0 20.5 3 3 Southwast Corner of Basement 11 0 </th <th>(Percent)</th> <th>(ppm)</th> <th>(Percent)</th>	(Percent)	(ppm)	(Percent)
Breading Zone of Basement 26 0 203 92 Southwat Corne of Basement 36 2 0 203 88 Southwat Corne of Basement 23 2 0 203 89 Northwat Corne of Basement 120 0 203 89 Northwat Corne of Basement 127 0 0 203 89 Star Dam 40 0 0 203 11 Show Drun (Phaged) 42 0 0 203 11 Show Drun (Phaged) 42 0 0 203 11 Show Drun (Phaged) 30 0 203 11 200 Crack in Box (roth of samp, AS-2) >1000 1 0 203 >1000 40' W Goff			
Southwart Corner of Basement 25 2 0 20.3 8.8 Southeast Corner of Basement 25 2 0 20.3 8.9 Northwart Corner of Basement 120 0 0.2 3.8 9 Northwart Corner of Basement 120 0 0 20.5 30 Top of Sump 173 0 0 20.5 30 11 Shoren Dram (Phaged) 42 0 0 20.5 11 Shoren Dram (Phaged) 30 0 0 20.5 11 Shoren Dram (Phaged) 30 0 0 20.5 11 Shoren Dram (Phaged) 28 0 0 20.5 11 Bastground (N. of Bág) 0 0 20.3 11 10 10.0	0	0	20.8
Suthear Corne of Basement 36 2 0 02.3 12 Northear Corne of Basement 12 0 0.3 8.9 Northear Corne of Basement 120 0 0.25 8.9 Top of Sump 127 0 0 12.5 9.5 Sum Drun (Phaged) 41 0 0 12.6 11 Sume Drun (Phaged) 12 0 0 12.6 11 Sume Drun (Phaged) 12 0 0 12.5 11 Cinck in Boor (vecth of anno, AS-1) >1000 1 0 12.5 >1000 Cinck in Boor (vecth of anno, AS-2) >1000 1 0 20.3 >1000 Cinck in Boor (vecth of Basement 15 0 0 20.3 5 Southeast Corne of Basement 15 0 0 20.3 6 Northeast Corne of Basement 13 0 0 20.3 6 Northeast Corne of Basement 13 0 0 20.3	2	5	20.8
Northest Corner of Basement 23 2 0 0.25 89 Northest Corner of Basement 120 0 0 0.25 00 Sex Drun 40 0 0 0.25 00 Sex Drun 40 0 0 0.26 11 Shear Drun (Phaged) 42 0 0 0.25 11 Sama Drun (Rags Sulfad in Drun) 28 0 0 0.25 11 Sama Drun (Rags Sulfad in Drun) 28 0 0 20.5 11 Crack in Boor (Né corner) AS-2) >10000 1.4 0 20.5 1000 160 V Colf Sama Drun (Cornel of Basement 15 0 0 20.5 5 Background (N of Bldg) 0.8 0 0.20.5 5 5 5 Southwest Corner of Basement 11 0 0 20.5 5 Southwest Corner of Basement 121 0 0 20.5 6 Crack in Pioce Neer N. Wall (Conte	0		20.9
Trg of Surp 273 0 0 20.3 95 Srik Dram 40 0 0 20.5 11 Togle Dram (Phaged) 30 0 0 20.5 11 Stover Dram (Phaged) 30 0 0 20.5 11 Stover Dram (Phaged) 30 0 0 20.5 11 Creat in Boor (NE corner, AS-1) >1000 1 0 20.5 >1000 Creat in Boor (Net corbs of samp, AS-2) >1000 1 0 20.5 >1000 Ido Y (Colf Badground (N. of Bkig) 0.8 0 0 20.5 5 Badground (N. of Bkig) 0.8 0 0 20.5 5 5 Southwest Corner of Basement 13 0 0 20.5 5 5 Northeast Corner of Basement 13 0 0 20.5 6 5 Creak in Floor Near N Wall (Center) 14 0 0 20.5 10 15 <	0	0	20.9
Syste Dram 40 0 0 20.5 11 Tolde Drum (Phaged) 42 0 0 20.5 11 Stever Drum (Phage Stuffer Drum) 28 0 0 20.5 11 Stever Drum (Phage Stuffer Drum) 28 0 0 20.5 11 Cinct at loor (NE conter, AS-1) >1000 1 0 20.5 11 Cinct at loor (NE conter, AS-1) >1000 1 0 20.5 1000 Cinct at loor (Ne conter, AS-1) >1000 1 0 20.5 5 Bodingsound (N. of Blag) 0.8 0 0 20.5 6 Southwast Conter of Basement 13 0 0 20.5 6 Northwast Conter of Matement 13 0 0 20.5 6 Cinct at Inloot Near N W4I (Center) 14 0 0 20.5 6 Lind At 1/9 W Gott - - - - - Laundry Room - -	· 0	0	20.8
1 Total Drum (Phagged) 42 0 0 20.5 11 Shower Drum (Rag Stuffiel in Drum) 28 0 0 20.5 11 Cinck in Boor (NE comes, A.S-1) >1000 14 0 20.1 >1000 Cinck in Boor (Neth Comes, A.S-1) >1000 14 0 20.1 >1000 L60 V Golf 0 20.3 3 >1000 10 20.3 3 Background (N. of Bidg) 0.8 0 0 20.3 5 Southwast Corner of Basement 15 0 0 20.3 5 Southwast Corner of Basement 13 0 0 20.3 8 Cinck in Noor Kas N Wall (Center) 14 0 0 20.3 8 Cinck in Noor Kas N Wall (Center) 14 0 0 20.3 8 Cinck in Noor Kas N Wall (Center) 14 0 0 20.3 8 Cinck in Noor Kas N Wall (Center) 14 0 0 <	0	0	20.8
Store Dram (Phaged) 30 0 0 20.3 11 Crack in Door (NE comer, AS-1) 28 0 0 20.1 >10000 Crack in Boor (Net orgen, AS-2) >1000 1 0 20.1 >10000 Crack in Boor (Net orgen, AS-2) >1000 1 0 20.3 >10000 Background (N. of Bidg) 0.8 0 0 20.5 5 Southeast Corner of Basement 15 0 0 20.3 5 Southeast Corner of Basement 13 0 0 20.3 5 Northwast Corner of Basement 13 0 0 20.3 6 Top of Surge 21 0 0 20.3 6 6 Crack in Floor Near M Vall (Center) 14 0 0 20.3 6 6 Lander Room	0	0	20.8
Sum Drum (Rag Staffed in Drum) 28 0 0 20.5 11 Crack in Boor (NE corner, AS-1) >1000 1 0 20.1 >1000 Lorack in Boor (NE corner, AS-1) >1000 1 0 20.5 >1000 L40 'W Cold	0	0	20.8
Creat: n Boor (NE correr, AS-1) >1000 14 0 20.1 >1000 Crack: n Boor (north of sump, AS-2) >1000 1 0 20.5 >1000 Background (N. of Blag) 0.8 0 0 20.5 5 Southward: Corner of Basement 15 0 0 20.5 5 Southward: Corner of Basement 15 0 0 20.5 5 Northward: Corner of Basement 13 0 0 20.5 5 Northward: Corner of Basement 13 0 0 20.5 5 Northward: Corner of Basement 13 0 0 20.5 6 Crack in Floor Nam Value 150 0 0 20.5 10 Floor Drun 400 0 0 20.5 10 10 Beckground (N of Bidg) 0.1 NM NM NM 10 10 Southeast Corner of Basement 2.5 NM NM NM 10 10	 		20.8
Local Control (N. of Bidg) Diff. Diff. <thdiff.< th=""> Di</thdiff.<>	16	0	20.8
Background (N. of Bådg) 0.8 0 0 20.6 2.5 Breating Zone of Basement 15 0 0 20.3 5 Southwest Corner of Basement 15 0 0 20.3 6 Southwest Corner of Basement 13 0 0 20.3 5 Northwest Corner of Basement 13 0 0 20.3 6 Top of Samp 21 0 0 20.3 6 Crack in Floot Near N Wall (Center) 14 0 0 20.3 10 Floor Drun 400 0 20.3 10 12 10 10 20.4 18 Handry Kom	2	0	20.8
Breating Zone of Basement 15 0 0 20.3 5 Southwest Corner of Basement 16 0 0 20.3 6 Northwest Corner of Basement 13 0 0 20.3 6 Northwest Corner of Basement 13 0 0 20.3 6 Northeast Corner of Basement 13 0 0 20.3 6 Cinck in Floor Near N Wall (Center) 14 0 0 20.3 6 Cinck in Floor Near N Wall (Center) 14 0 0 20.3 10 Elson Dran 400 0 0 20.4 18 Lifs A (19) W Golf Easting Cone of Basement 20 NM NM NM 16 Southwest Corner of Basement 24 NM NM NM 13 Northeast Corner of Basement 25 NM NM NM 13 Southeast Corner of Basement 25 NM NM NM 13 3 3 3 3 <td></td> <td></td> <td></td>			
Southwest Corner of Basement 16 0 20.3 6 Southeast Corner of Basement 15 0 0 20.3 6 Northwest Corner of Basement 11 0 0 20.3 5 Northwest Corner of Basement 13 0 0 20.3 5 Top of Sump 21 0 0 20.3 6 Crack in Floor Near N. Wall (Center) 14 0 0 20.3 6 Crack in Floor Near N. Wall (Center) 14 0 0 20.3 6 Laundry Room	0	0	20.8
Southeast Corner of Basement 15 0 0 20.3 6 Northwest Corner of Basement 21 0 0 20.3 5 Top of Sump 21 0 0 20.3 6 Crede in Floor Near N Wall (Center) 14 0 0 20.5 6 Crede in Floor Near N Wall (Center) 14 0 0 20.5 6 Crede in Floor Near N Wall (Center) 400 0 0 20.4 18 Laundry Room	0	0	20.8
Northweat Corner of Basement 21 0 0 20.3 5 Northeaut Corner of Basement 13 0 0 20.3 6 Top of Samp 21 0 0 20.3 6 Creck in Floor Near N Wall (Center) 14 0 0 20.3 6 Creck in Floor Near N Wall (Center) 14 0 0 20.3 6 Creck in Floor Near N Wall (Center) 14 0 0 20.3 6 Laundry Room	0	0	20.8
Northeast Corner of Basement 13 0 00 20.5 6 Top of Samp 21 0 0 20.5 8 Crack in Floor at S. Wall (Center) 14 0 0 20.5 10 Eloor Drain 400 0 20.5 10 10 Hard W. Godf 150 0 0 20.4 18 Laundry Room 1 1 10 10 10 Background (N of Bidg) 0.8 NM NM NM 13 Southwast Corner of Basement 20 NM NM NM 13 Southwast Corner of Basement 25 NM NM 13 13 Northvest Corner of Basement 25 NM NM 13 13 Northvest Corner of Basement 25 NM NM 14 13 Southwast Corner of Basement 25 NM NM 14 16 Southwast Corner of Basement 76 NM NM 14	0	0	20.8
Top of Samp 21 0 0 20.5 8 Crack in Floor Near N. Wall (Center) 14 0 0 20.5 6 Crack in Floor yt S. Wall 150 0 0 20.5 10 Floor Dram 400 0 0 20.4 18 Landry Room	0	0	20.8
Crack in Floor Near N Wall (Center) 14 0 0 20.5 6 Crack in Floor at S. Wall 150 0 0 20.5 10 Floor Drain 400 0 0 20.4 18 1415 & 1419 W Golf	0		20.8
Floor Dram 400 0 20.4 18 Latandry Room	Ū Ū	0	20.8
1415 & 1419 W Golf Laundry Room 0 NM NM NM NM NM NM NM NM 16 Background (N of Bldg) 0.8 NM NM NM NM 16 Southwest Corner of Basement 24 NM NM NM 13 Southeast Corner of Basement 25 NM NM NM 13 Northvest Corner of Basement 25 NM NM NM 13 Northvest Corner of Basement 25 NM NM NM 13 Sump (No pump nusled) >1000 NM NM NM 14 Starp (No pump nusled) >1000 NM NM NM 14 Southwest Corner of Basement 70 NM NM NM 14 Southwest Corner of Basement 36 NM NM 14 15 Southwest Corner of Basement 36 NM NM 14 15 Southwest Corner of Basement 36 NM NM 14 15 Grack nn Floor (Centethy) 36 NM	0	0	20.8
Learndry Room 0 NM 13 Support State	0	0	20.8
Background (N. of Bidg) 0.8 NM NM NM NM NM NM 2.3 Breathing Zone of Basement 0 NM NM NM NM 13 Southwest Corner of Basement 24 NM NM NM 13 Southwest Corner of Basement 25 NM NM NM 13 Northeast Corner of Basement 25 NM NM NM 13 Sump (No pump setalled) >1000 NM NM NM 13 Sump (No pump setalled) >1000 NM NM NM 13 Sump (No pump setalled) >1000 NM NM NM 14 Southwest Corner of Basement 40 NM NM 14 Southwest Corner of Basement 36 NM NM NM 14 Northwest Corner of Basement 36 NM NM NM 14 Northwest Corner of Basement 36 NM NM NM 14			
Breathing Zone of Basement 30 NM NM NM NM 16 Southwest Corner of Basement 24 NM NM NM 13 Southwest Corner of Basement 25 NM NM NM 13 Northwest Corner of Basement 25 NM NM NM 13 Northwest Corner of Basement 25 NM NM NM 13 Northwest Corner of Basement 25 NM NM NM 13 Suthwest Corner of Basement 40 NM NM 14 1000 Sign Making Room	<u> </u>		
Southwest Corner of Basement 24 NM NM NM 13 Southwest Corner of Basement 25 NM NM NM NM 13 Northwest Corner of Basement 25 NM NM NM NM 13 Sump (No pump installed) 25 NM NM NM NM 13 Sign Making Room	0	0	20.8
Southeast Corner of Basement 29 NM NM NM 13 Northwest Corner of Basement 25 NM NM NM NM 13 Northwest Corner of Basement 25 NM NM NM NM 13 Sump (No pump ensuled) >1000 NM NM NM NM 14 Sept Making Room	0	0	20.7
Northwest Corner of Basement 25 NM NM NM 13 Northeast Corner of Basement 25 NM NM NM NM 13 Sump (No pump installed) >1000 NM NM NM NM NM 13 Sign Making Room	0		20.7
Sump (No pump installed) >1000 NM NM NM >1000 Sign Malong Room	0	0	20.7
Sign Making Room 40 NM NM NM 14 Breadung Zone of Basement 76 NM NM NM 14 Southeast Corner of Basement 76 NM NM NM 14 Southeast Corner of Basement 36 NM NM NM 14 Northwest Corner of Basement 36 NM NM NM 14 Northwest Corner of Basement 36 NM NM NM 14 Northwest Corner of Basement 36 NM NM NM 14 Northwest Corner of Basement 36 NM NM NM 14 Floor Dran (Blocked) 700 NM NM NM 14 Floor Dran (Blocked) 700 NM NM 14 25 Breathing Zone of Basement 70 NM NM NM 26 Southwest Corner of Basement 85 NM NM NM 38 Northwest Corner of Basement 45 NM NM NM 38 Northwest Corner of Basement 45	0	0	20.7
Breathing Zone of Basement 40 NM NM NM 14 Southwest Corner of Basement 76 NM NM NM 16 Southwest Corner of Basement 44 NM NM NM 20 Northwest Corner of Basement 36 NM NM NM 14 Northwest Corner of Basement 36 NM NM NM 14 Northwest Corner of Basement 36 NM NM NM 14 Northwest Corner of Basement 36 NM NM NM 14 Floor Dran (Blockad) 700 NM NM NM 14 Floor Dran (Blockad) 700 NM NM NM 14 Southwest Corner of Basement 70 NM NM NM 25 Breathing Zone of Basement 70 NM NM NM 26 Southwest Corner of Basement 60 NM NM 38 Northwest Corner of Basement 45 NM NM 38 Northwest Corner of Basement 45 NM NM NM 26 70 NM NM 30 Northwest Corner of Basement 45 NM NM NM 36 <td>NM</td> <td>NM</td> <td>NM</td>	NM	NM	NM
Southwest Corner of Basement 76 NM NM NM 16 Southeast Corner of Basement 44 NM NM NM 20 Northwest Corner of Basement 36 NM NM NM 20 Northwest Corner of Basement 36 NM NM NM 14 Northwest Corner of Basement 36 NM NM NM 14 Floor Dran (Blocked) 700 NM NM NM 14 Floor Dran (Blocked) 700 NM NM NM 14 Floor Dran (Blocked) 700 NM NM NM 50 1425 W Golf	<u> </u>	L	
Southeast Corner of Beasment 44 NM NM NM 20 Northwest Corner of Beasment 36 NM NM NM 14 Northwest Corner of Beasment 36 NM NM NM 14 Creck in Floor (Center) 40 NM NM NM 14 Floor Dran (Blocked) 700 NM NM NM 14 Floor Dran (Blocked) 700 NM NM NM 50 1425 W Golf	0	0	20.7
Northwest Corner of Basement 36 NM NM NM 14 Northwest Corner of Basement 36 NM NM NM NM 15 Crack in Floor (Center) 40 NM NM NM 14 Floor Drain (Blocked) 700 NM NM NM 14 Floor Drain (Blocked) 700 NM NM NM 14 1425 W Golf	t ő	0	20.7
Crack in Floor (Center) 40 NM NM NM 14 Floor Drain (Blocked) 700 NM NM NM NM 50 1425 W Golf	0	0	20.7
Floor Dran (Blocked) 700 NM NM NM S01 1425 W Golf	0	0	20.7
1425 W Golf Background (N. of Bidg) 0.8 NM NM NM 2.5 Breathing Zone of Basement 70 NM NM NM 26 Southwest Corner of Basement 85 NM NM NM 34 Southwest Corner of Basement 60 NM NM NM 38 Northwest Corner of Basement 45 NM NM NM 38 Northwest Corner of Basement 45 NM NM NM 38 Northwest Corner of Basement 45 NM NM NM 30 Northwest Corner of Basement 45 NM NM NM 30 Northwest Corner of Basement 45 NM NM NM 30 Northwest Corner of Corner 150 NM NM NM 40 Crack in Floor Near Southeast Corner 150 NM NM NM 140 Floor Dran (blocked) >1000 NM NM NM 25 Background (S. of Bidg) 0.8 NM NM NM 7 <	0	0	20.7
Background (N. of Bidg.) 0.8 NM NM NM 2.5 Breathing Zone of Basement 70 NM NM NM 26 Southwest Corner of Basement 85 NM NM NM 26 Southwest Corner of Basement 60 NM NM NM 38 Northwest Corner of Basement 60 NM NM NM 38 Northwest Corner of Basement 45 NM NM NM 30 Northwest Corner of Basement 46 NM NM NM 26 Top of Sump 70 NM NM NM 26 Crack in Floor Near Southment Corner 150 NM NM NM 40 Crack in Floor of Worksoom (North) >1000 NM NM NM 140 Floor Dran (blockad) >1000 NM NM NM 23 1431 W Golf 12 NM NM NM 7 Southwest Corner of Basement 12 NM	<u>NM</u>	NM	<u>NM</u>
Background (N. of Bidg.) 0.8 NM NM NM 2.5 Breathing Zone of Basement 70 NM NM NM 26 Southwest Corner of Basement 85 NM NM NM 26 Southwest Corner of Basement 60 NM NM NM 38 Northwest Corner of Basement 60 NM NM NM 38 Northwest Corner of Basement 45 NM NM NM 30 Northeast Corner of Basement 46 NM NM NM 26 Top of Sump 70 NM NM NM 26 Crack in Floor Near Southment Corner 150 NM NM NM 40 Crack in Floor of Worksoom (North) >1000 NM NM NM 140 Floor Dran (blockad) >1000 NM NM NM 23 1431 W Golf 12 NM NM NM 7 Southwest Corner of Basement 12 NM			
Breathing Zone of Basement 70 NM NM NM 26 Southwest Corner of Basement 85 NM NM NM 34 Southwest Corner of Basement 60 NM NM NM 34 Northwest Corner of Basement 60 NM NM NM 38 Northwest Corner of Basement 45 NM NM NM 30 Northwest Corner of Basement 46 NM NM NM 30 Northwest Corner of Basement 46 NM NM NM 30 Top of Sump 70 NM NM NM 40 Crack in Floor of Worknoom (North) >1000 NM NM NM Floor of Worknoom (North) >1000 NM NM 140 Floor of Worknoom (North) >1000 NM NM NM 131 W Golf	0	0	20.8
Southeast Corner of Basement 60 NM NM NM 38 Northwest Corner of Basement 45 NM NM NM 30 Northwest Corner of Basement 45 NM NM NM 30 Northeast Corner of Basement 46 NM NM NM 26 Top of Sump 70 NM NM NM 26 Crack in Floor Near Southeast Corner 150 NM NM NM 60 Crack in Floor of Workroom (North) >1000 NM NM NM 60 Floor Dran (blocked) >1000 NM NM NM 140 Floor Dran (blocked) >1000 NM NM NM 2.5 Breathing Zone of Basement 12 NM NM NM 7 Southwest Corner of Basement 11 NM NM 8 Northwest Corner of Basement 23 NM NM 12	0	0	20 8
Northwest Corner of Besement 45 NM NM NM 30 Northwest Corner of Besement 46 NM NM NM 26 Top of Sump 70 NM NM NM 26 Top of Sump 70 NM NM NM 26 Crack in Floor Near Southment Corner 150 NM NM NM 60 Crack in Floor Of Workroom (North) >1000 NM NM NM 60 Floor Drun (blocked) >1000 NM NM NM >1000 1431 W Golf	0	0	20.8
Northeast Corner of Basement. 46 NM NM NM 26 Top of Sump 70 NM NM NM 40 Crack in Floor Near Southman Corner 150 NM NM NM 60 Crack in Floor Near Southman Corner 150 NM NM NM 60 Crack in Floor of Workroom (North) >1000 NM NM NM 140 Floor Drain (blocked) >1000 NM NM NM >1000 1431 W Golf	0	0	20.9
Top of Sump 70 NM NM NM 40 Crack in Floor Near Southeast Corner 150 NM NM NM 60 Crack in Floor of Workzoom (North) >1000 NM NM NM 140 Floor Drain (blocked) >1000 NM NM NM 140 Floor Drain (blocked) >1000 NM NM NM >1000 141 W Golf	0	0	20.9
Crack in Floor Near Southmant Corner 150 NM NM NM 60 Crack in Floor of Workroom (North) >1000 NM NM NM 140 Floor Drain (blocked) >1000 NM NM NM 140 1431 W Golf	0	0	20.8
Crack in Floor of Worksoom (North) >1000 NM NM NM 140 Floor Drain (blockad) >1000 NM NM NM >1000 1431 W. Golf	0	0	20.8
Floor Drum (blockad) >1000 NM NM NM >1000 1431 W Golf	0	0	20.8
Background (S. of Bidg.) 0.8 NM NM 2.5 Breathing Zone of Beasingert 12 NM NM NM 7 Southwast Corner of Beasingert 11 NM NM 8 Southwast Corner of Beasingert 23 NM NM 8 Northwast Corner of Beasingert 16 NM NM 12	<u>NM</u>	I NM	NM
Breathing Zone of Basement 12 NM NM 7 Southwest Corner of Basement 11 NM NM 8 Southwest Corner of Basement 23 NM NM 8 Northwest Corner of Basement 16 NM NM 12			
Southwest Corner of Description 11 NM NM 8 Southwest Corner of Description 23 NM NM NM 8 Northwest Corner of Description 16 NM NM 12	0	0	20.8
Southwest Conver of Decement 23 NM NM 8 Northwest Conver of Decement 16 NM NM 12	0	0	20.8
Northwest Corner of Besenent 16 NM NM 12	0	0	20.8
	0	0	20.8
Northeast Corner of Desegnant 25 NM NM NM 20	0	0	20.8
Top of Sump (SW context) 30 NM NM 18	0	0	20.7
Shower Drain 17 NM NM NM 17	0	0	20.8
Sink Drain 17 NM NM 13	0	<u> </u>	20.8
Todat 16 NM NM 16	0	0	20.8
1451 W. Golf Road	<u> </u>		
Background (S. of Bidg) 0.8 NM NM 2.5 Breathing Zone of Basement 560 NM NM NM 500	0	0	20.8
Southwest Corner of Basement 560 NM NM NM 510	2	0	20.7
Southwest Comer of Basement 600 NM NM NM 740	1		20.7
Northwest Corner of Besement 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 >1000	2	0	20.7
Crack in Floor (West End) 700 NM NM 600 Floor Dram >1000 NM NM >1000	2	0	20.7

Notes: NM= Not Measured

----- ·

Table 2 Basement Screening Results 1401 Through 1451 West Golf Road Builds Waukegan, Elimons

			September 2		
			ļ	CGI	
		FID		HYDROGEN	
		(ppm unless	LEL	SULFIDE	OXYGE
∞	CATION	noted otherwise)	(Percent)	(ppm)	(Percent
401	W Golf				
	Background (N. of Bidg)	2.8	0	0	20.5
	Breathing Zone of Basement	56	0	0	199
	Southwest Corner of Basement	38	0	0	199
	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	199
	Toilet Drain (Plugged)	53	0	0	19.9
	Shower Drun (Plugged)	47	0	0	19.9
	Sauns Dram (Rag Stuffed in Dram)	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
_					
407	W Golf				-
_	Background (N. of Bidg)	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		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)	4	0	0	20 5
	Crack in Floor at S Wall	16	0	0	20.5
	Floor Dran	20	0	0	20 6
A 1 4	3 & 1419 W Golf				
	undry Room				· · · · · · · · · · · · · · · · · · ·
_		_			
-	Background (N. of Bidg)	B.2	0	0	20.5
	Breathing Zone of Basement	B.2	0		
-	Southwest Corner of Besement	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
Sig	n Malang Room				
_	Breathing Zone of Basement	76	0	0	20.5
	Southwest Corner of Basement	76	0	0	20.5
	Southeast Corner of Basement	7.6	0	0	20.5
	Northwest Comer of Besement	76	0	0	20.5
_	Northeast Corner of Basement	76	0	0	20.5
	Crack in Floor (Center)	76	0	0	20.5
	Floor Drain (Blocked)	76	0	0	20.5
425	W Golf				
_	Beckground (N. of Bidg)	2.8	0	0	20.5
	Breathing Zone of Basement	36	0	0	20.4
	Southwest Corner of Basement	40	0	0	20.4
1	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)	100	41	0	20.4
				· · · · · · · · · · · · · · · · · · ·	
1	W. Golf		···· · · · · · · · · · · · · · · · · ·		
_	Background (S. of Bidg)	66		0	20.5
-	Breathing Zone of Basement	58	0	0	20.4
_	Southwest Corner of Basement	5.8	0	0	20.5
-	Southeast Corner of Basement	58	0	0	20.5
	Northwest Corner of Basement		0	0	20.6
-	Northeast Corner of Basement		0	0	50.5
-	Top of Sump (SW corner)	58	0	0	20.6
-	Shower Dram	58	0	0	20.5
	Sink Dain	58	0	0	20.5
-	Toilet	5.8	0	0	20.5
	W. Golf Road		0	0	20.5
<u>u</u> i		2.8			
<u>u</u> i	Beckground (S. of Bidg)	· · · · · · · · · · · · · · · · · · ·		0 1	20.5
451	Beckground (S. of Bidg) Breathing Zone of Basement	280	l	0	20.5
451	Beckground (S. of Bidg) Breathing Zone of Basement Southweat Corner of Basement	280 300	ī	0	20.5
451	Beckground (S. of Bidg) Breathing Zone of Basement Southwest Corner of Basement Southeast Corner of Basement	280 300 300	1	0	20.5 20.5
451	Beckground (S. of Bidg) Breathing Zone of Basement Southwest Corner of Basement Southeast Corner of Basement Northwest Corner of Basement	280 300 300 320		0 0 0	20.5 20.5 20.4
451	Beckground (S. of Bidg) Breathing Zone of Basement Southwest Corner of Basement Northwest Corner of Basement Northwest Corner of Basement Northeast Corner of Basement	280 300 300 320 360		0 0 0	20.5 20.5 20.4 20.4
451	Beckground (S. of Bidg) Breathing Zone of Basement Southeast Corner of Basement Northwest Corner of Basement Northwest Corner of Basement Northwest Corner of Basement Top of Sump (south wall)	280 300 300 320 360 320		0 0 0 0	20.5 20.5 20.4 20.4 20.4
451 	Beckground (S. of Bidg) Breathing Zone of Basement Southwest Corner of Basement Northwest Corner of Basement Northwest Corner of Basement Northeast Corner of Basement	280 300 300 320 360		0 0 0	20.5 20.5 20.4 20.4

Notes: NM= Not Messured

Golder Associates Inc.

1809 North Mill Street, Suite C Naperville, IL USA 60563 Telephone (708) 357-2066 Fax (708) 357-2330



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

Distribution:

1 Copy	Richard Boice, P.E., U	J.S. Environmental	Protection Agency
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- 2 Copies Golder Associates Inc.

September 1994

933-8136.07

TO: USEPA/IEPA

FROM: Golder Associates Inc.

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

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 Stationaction Ar Montonia Darrite	Yeoman CreekEdwards Field Landfills RIFS	
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Upped NEL COrpare Dent Dent NEL Corpare Dent	Date Monitoring	February 28, 1994 FID CGI	8, 1994 CGI	FiD Mar	March 17, 1994 CGI			April 15, 1994 CGI			May 19, 1994 CGI	- 	June 2 FID	June 23, 1994 CGI		July 2 FID	July 22, 1994 CGI		August 18, 1994 CGI	1994 C.G.
(M) (M) <th>Location</th> <th></th> <th></th> <th>(mqq)</th> <th></th> <th>ĵ,</th> <th>(mqq)</th> <th>ЕГ</th> <th>Oxygen</th> <th></th> <th>¥ E</th> <th></th> <th></th> <th></th> <th></th> <th>18</th> <th>ЕГ</th> <th>,</th> <th>) %rEt</th> <th>€. Sk∪xygen</th>	Location			(mqq)		ĵ,	(mqq)	ЕГ	Oxygen		¥ E					18	ЕГ	,) %rEt	€. Sk∪xygen
$ \ \ \ \ \ \ \ \ \ \ \ \ \ $	2122 Yeoman Street (Evry Pronarty)	NM(5				 														
mini- interim 00 0 10 0 10 0 10 0 10 0 200 0	Background	0 0		00 to 30	00		00				0	20.8	0	0	8	0	0 20		00	
A matrix 00 11 12 00 20	Sump (SW corner) Floor Drain SW corner)	000		00	000		22 0 0 5				00	20.8	00	00	00	00	88	36	000	20.8 20.9
100 1158/20 0/0 1158/20 0/0 200 <th< th=""><th>Entrance to crawl space Floor/wall joints</th><th>0</th><th></th><td>\$</td><td>0 0</td><td></td><td>۲0</td><td></td><td></td><td></td><td>0</td><td></td><td>0</td><td>0</td><td> თ</td><td>0</td><td>0 20</td><td></td><td>00</td><td></td></th<>	Entrance to crawl space Floor/wall joints	0		\$	0 0		۲ 0				0		0	0	 თ	0	0 20		00	
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Mol Mol <th>1615 Sunset Avenue</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>•</th> <th></th> <th>,</th> <th>></th> <th> ></th> <th>,</th> <th>2</th> <th>, </th> <th></th> <th>-</th>	1615 Sunset Avenue										•		,	>	 >	,	2	, 		-
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The field of the fie	Laundry Room			2	0						5		5	5	- 	5	07 0	> 		0.0.
	Ambient Air Crack in floor (E-W @ E)			120	000						00	207	00	00	00	~ ~	0 20		0 -	210
Mr	Crack in floor (N-S & S)			00	000						000	207	000	000) m i	0 20			20.8
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Multiply 200 200 200 14 00 201	Linen Room Ambient Air			10.0	00	0			_	18	C		C	c		ŝ	00	, , , ,	00	0 UG.
Mile Mile <th< th=""><th>Cracks in concrete</th><th></th><th>_</th><th></th><th></th><th></th><th></th><th></th><th>, ,</th><th></th><th></th><th></th><th></th><th></th><th></th><th>5</th><th></th><th></th><th></th><th></th></th<>	Cracks in concrete		_						, ,							5				
Mile Mile <th< th=""><th>Mid room, N-S (2) S East end, N-S (2) center</th><th></th><th>_</th><th>100</th><th>00</th><th></th><th></th><th>00</th><th></th><th></th><th></th><th>~ ~</th><th></th><th></th><th></th><th>0 4</th><th>20</th><th>~ ~ ~</th><th>00</th><th>502 802</th></th<>	Mid room, N-S (2) S East end, N-S (2) center		_	100	00			00				~ ~				0 4	20	~ ~ ~	00	502 802
Mile Mile <th< th=""><th>East wall, @ breathing zone Medical records room(Amberd Au)</th><th></th><th></th><th>120</th><th>000</th><th></th><th></th><th>000</th><th>-</th><th></th><th></th><th>. ~ 0</th><th></th><th></th><th></th><th>00</th><th>0 50</th><th></th><th>000</th><th>52</th></th<>	East wall, @ breathing zone Medical records room(Amberd Au)			120	000			000	-			. ~ 0				00	0 50		000	52
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Minimut Aut 00 208 34 00 208 0 00 208 0 00	Maintenance room(Ambient Air) Boiler room		_	5	5			00	 o			~				0	0 20	0	00	210
(i) (Ambient Air			000	000	20.8		00			0.0	20.8	0	0	8	0	0 20	0	10	210
00 00 203 15 00 203 15 00 10 203 00 00 203 24 00 203 42 00 203 10 203 00 00 203 24 00 203 24 00 203 10 203 00 00 203 24 00 203 24 00 203 00 10 203 00 10 203 00 10 203 00 10 203 <t< th=""><th>Hair Salon(Ambient Air)</th><th></th><th></th><th>140</th><th>000</th><th>210</th><th></th><th>000</th><th></th><th></th><th></th><th>50 8 20 8</th><th></th><th></th><th></th><th>0 0</th><th>0 20</th><th>3 00</th><th>000</th><th>210</th></t<>	Hair Salon(Ambient Air)			140	000	210		000				50 8 20 8				0 0	0 20	3 00	000	210
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(1) (1) (2) <th>South office (Ambient Air)</th> <th></th> <th></th> <th>WZ d</th> <th>¥ a</th> <th>WN R</th> <th>32</th> <th>00</th> <th></th> <th></th> <th>0</th> <th>20.8</th> <th>0</th> <th>0</th> <th>5</th> <th>-</th> <th>0 20</th> <th>•</th> <th>00</th> <th>5 0 2</th>	South office (Ambient Air)			WZ d	¥ a	WN R	32	00			0	20.8	0	0	5	-	0 20	•	00	5 0 2
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CGI - Combustible Gas indicator
 FID - Flame bruization Detector
 During the February SU 1994 inspection, access to 1615 Sunset
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 NM - Not Messured
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Table 2 Basement Screening Results 1401 Through 1451 West Golf Road Building Waukegan, illinois

			August 5, 1						
			Hugust 2, 1	CGI			<u>August II.</u>	CGI	
10	CATION	FID (ppm unless noted otherwise)	LEL	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)	FID (ppm uniess noted otherwise)	LEL (Percent)	HYDROGEN SULFIDE	OXYGEN
	I W Golf	noted odierwiser	Trefeent	()phili	Percenti	noted outerwise)	(Percent)	(ppm)	(Percent)
140	Background (N of Bldg)	02	0	0	20 1	0	0	0	20.8
	Breathing Zone of Basement	03	0	0	20 1	0	ů ů	0	20 9
	Southwest Corner of Basement	0.4	0	0	20.2	0	0	0	20.8
	Southeast Comer of Basement	0 2	0	0	20.2	0	0	0	20.8
	Northwest Corner of Basement	04	0	0	20.2	0	0	0	20.8
_	Top of Sump	0.2	0	0	20.3	0	0	0	20 8
	Sink Drain -	03	0	0	20 2	0	0	0	20.8
	Toilet Drain (Plugged)	03	0	0	20 2	0	0	0	20.8
	Shower Drain (Plugged)	03	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) Crack in floor (north of sump, AS-2)	0.3	0	0	20.3	0	0	0	20 8
			1	L	1 10.2				20.8
140	7 W Golf						<u> </u>		
	Background (N. of Bldg)	0.2		0	20 1	4	0	0	20.8
	Breathing Zone of Basement Southwest Corner of Basement	0 4	0	0	20.3	4	0	0	20.9
	Southwest Corner of Basement	0.5		0	04	4	0	0	20.9
	Northwest Corner of Basement	0.5	0	0	04	4	0	0	20 9
	Northeast Corner of Basement	0.4	ů	0	03	4	Ő	0	20.9
	Top of Sump	0.4	0	0	04	4	0	0	20.9
	Crack in Floor Near N. Wall (Center)	0.5	0	0	05	4	0	0	20.9
	Crack in Floor at S. Wall	04	0	0	05	0	0	0	20.9
	Floor Drain	NM	NM	NM	NM	4	0	0	20.8
	5 & 1419 W_Golf								
يا	aundry Room								
	Background (N of Bldg)	04	0	0	20.7				
	Breathing Zone of Basement	0.0	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 Northwest Corner of Basement	0.5	0	0	20 0	5	0	0	20.8
	Northeast Corner of Basement	0.5	ŏ	0	20 7	2.5	0	0	20.8
	Sump (No pump installed)	05	ů ů	0	20 7	8	ŏ	0	20.8
Si	ign Making Room								
	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	05	0	0	20 8
_	Northwest Corner of Basement	1.0	0	0	20 7	9	0	0	20 8
	Northeast Corner of Basement	10	0	00	20 7	12	0	0	20 8 20 8
	Crack in Floor (Center) Floor Drain (Blocked)	10	0	0	20 7	200		0	20 8
	FIOO Dial (Blocked)	<u>1</u> .4				200	i	v	
142	5 W Golf								
	Background (N of Bldg)	03	0	0	20 0				
	Breathing Zone of Basement	2.1	0	0	20 7	31	1	0	20 8
	Southwest Comer 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 Top of Sump	2 4-0	0	0	20 7	40 000	1	0	20.8
	Crack in Floor Near Southeast Corner	0.4	0	0	20 7	1000	6	0	20.8
	Crack in Floor of Workroom (North)		0	0	20.7	900	6	0	20.7
	Floor Drain (blocked)	1000	9-27	0	20 7	-1000	-100	0	<15
143	1 W. Golf						^		
	Background (S. of Bidg)	03	0	0	20 6	0	0	0	20.8
	Breathing Zone of Basement	1	0	0	20.7	35	0	0	20.8
	Southwest Corner of Basement	0.9	Ó	0	20.7	NM	0	0	20.9
	Southeast Corner of Basement	12	0	0	20 7	2.5	0	0	20.9
	Northwest Corner of Basement	07	0	0	20.7	3	Ö	0	20.9
	Northeast Corner of Basement	<u> </u>	0	0	20 7	10	0	0	20.9
	Top of Sump (SW corner)	2.2	0	0	20.7	22	0	0	20.8
	Shower Drain Sink Drain	1.8	0	0	20.7	19	1	0	20.9
	Toilet	2	0	0	20.7	17		0	20 9
1.40		•		· · · · · ·			· ·		
145	1 W. Golf Road	<u> </u>	0	0	20.7			<u> </u>	
	Background (S. of Bidg) Breathing Zone of Basement			0	20.7	160	2	0	20 7
	Southwest Corner of Basement	58		0	20.0	200	2	0	20 8
	Southeast Corner of Basement	70 10	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	08	0	0	20.7	160	1	0	20.8
	Top of Sump (south wall)	Ro	1	0	20.7	700	0	0	20 7
	Crack in Floor (Center of Basement)	00	1	0	20.6	1000	51	0	20.4
				0	20.7	1000	71	0	20.4
	Crack in Floor (West End) Floor Drain	-1000	38-52 2-4	0	20.5	020	3	0	20.7

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

Rainfall yesterday

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

<u> </u>		J	August 18,	1001			August 20,	1003	
				CGI				CGI	
		FID	1.51	HYDROGEN	and and	FID		HYDROGEN	0.0/250
10	ΓΑΠΟΝ	(ppm unless noted otherwise)	LEL (Percent)	SULFIDE (ppm)	OXYGEN (Percent)	(ppm unless noted otherwise)	LEL (Percent)	SULFIDE	OXYGEN
-		noted outerwiser	1 (reiteili)	ppin	recent	noted odierwiser	reicent	(ppm)	(Percent)
140	W Golf Background (N of Bldg)		0	0	20.8	2.8	3	0	20 -
	Breathing Zone of Basement	2	0	0	20.8	12	3		20 7
-	Southwest Comer of Basement	18	Ť Ő	0	20.9	12	3	Ŏ	20 7
	Southeast Corner of Basement	1	0	0	20 9	15	3	Ō	20 *
	Northwest Corner of Basement	38	0	0	20.8	[4	3	0	20
	Northeast Comer of Basement	0 2	0	0	20 9	19	3	0	20 7
	Top of Sump Sink Drain	2.3	0	0	209	<u>io</u> 25	3	0	20 7
-	Todet Drain (Plugged)	2	0	0	20.9	20	3	0	20 7
	Shower Drain (Plugged)	3	0	0	20.9	2.0	3	ő	20 -
	Sauna Drain (Rag Stuffed in Drain)	1.7	0	0	20 9	2.4	3	0	20 7
	Crack in floor (NE comer, AS-1)	00	0	0	20.9	2.2	3	0	20 7
	Crack in floor (north of sump, AS-2)	44	0	0	20 9	2.0]	0	20 7
140	1 W Golf								
	Background (N of Bldg)	<u> </u>	0	0	20 8	2.8	3	0	20 7
	Breathing Zone of Basement	15	0	0	20.9		2	0	20 6
	Southwest Corner of Basement Southeast Corner of Basement	10 14		0	20 9	85	$\frac{2}{2}$	0	20 6
	Northwest Corner of Basement	16	0	0	20.9	78	2	0	20 5
	Northeast Corner of Basement	15	0		20.9	70	2	0	20 6
	Top of Sump	14	0	0	20.9	88	2	0	20 5
	Crack in Floor Near N. Wall (Center)	20	0	0	20.9	8 2	2	0	20 0
	Crack in Floor at S. Wall	10	0	0	20.9	1000	0	0	20 4
<u> </u>	Floor Drain	100		0	20.8	1000	28	0	20 5
	5 & 1419 W. Golf								
يا ا	undry Room			_					
	Background (N of Bldg)	15	0	0	20.8		<u> </u>		10 -
	Breathing Zone of Basement Southwest Corner of Basement	18	0	0	20 8 20 7	30	2	0	20.6
	Southeast Corner of Basement	20	<u> </u>	0	20 8	34	2	0	20 6
	Northwest Corner of Basement	17	0	0	20.8	35	2	Ő	20 5
	Northeast Corner of Basement	15	0	ō	20 8	34	2	0	20 0
	Sump (No pump installed)	×1000_	3	0	20 7	-1000	11	0	20.6
<u>Su</u>	gn Makang Room		0						201
	Breathing Zone of Basement Southwest Corner of Basement	22		0	20 8 20 8	28	0	0	20.5
<u> </u>	Southeast Corner of Basement	55	0	0	208	30	1	0	20 6
<u> </u>	Northwest Corner of Basement	21	ŏ	0	20 8	20	0	0	20 5
	Northeast Corner of Basement	28	0	0	20.8	27	1	0	20.5
	Crack in Floor (Center)	.4	0	0	20.8	42	1	0	20 5
	Floor Drain (Blocked)	230		0	20.8	300	2	0	20 6
	nn - 2-18								
142	5 W Golf Background (N of Bidg)	1		0	20 8				
┝──	Breathing Zone of Basement		0	0	208	20	NA		20.7
	Southwest Corner of Basement	v <u>8</u>	0	<u>0</u>	20 8	17	NA	Ū Ū	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 Comer of Basement	D4	0	0	20.8	22	NA	0	20.7
┣	Top of Sump	400 	1	0	208	00	NA NA	0	20 7
├	Crack in Floor Near Southeast Corner Crack in Floor of Workroom (North)			0	20.8	100	NA NA	0	20 7
<u> </u>	Floor Drain (blocked)	1000	-100		14 00%	1000	>1000	- 0 - 1	173
,	W Golf	· · · · · · · · · · · · · · · · · ·		i					<u>-</u>
143	Background (S of Bldg)		0	0 1	20.7		T	T	
<u> </u>	Breathing Zone of Basement	30	0		20 7	43	3	- 0	20 7
	Southwest Corner of Basement	73	l	0	20 7	38	3	0	20.7
	Southeast Corner of Basement	00	1	0	20.7	2.6	3	0	20 8
	Northwest Corner of Basement	48	0	0	20 7	-0	3	0	20 8
<u> </u>	Northeast Corner of Basement	24		0	20 7	50	3	0	20 8
	Top of Sump (SW corner) Shower Drain	52	0	0	20 7	12 8 3	4	0	20 7
-	Snower Drain	00		0	20 7	77	3	0	20 8
-	Tollet	04		0	20.8	18	3		20.8
1.44	W Golf Roud	•	•			,			
<u>, , ,</u>	Background (S. of Bidg)	1	0	0 1	20 8		— — —	F	
-	Breathing Zone of Basement	001	2	0	20.8	140	4	0	20.5
	Southwest Corner of Basement	110		0	20.7	100	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	100	4	0	20.4
					20 6	140	4	0	20.4
	Northeast Comer of Basement	170		0					
	Northeast Comer of Basement Top of Sump (south wall)	1000	11	0	20 0	1000	0	0	20.4
	Northeast Comer of Basement								

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

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Submitted to:

U.S. Environmental Protection Agency

and

Illinois Environmental Protection Agency

Distribution:

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August 1994

933-8136.07

MONTHLY PROGRESS REPORT

TO:United States Environmental Protection Agency
Illinois Environmental Protection AgencyFROM:Golder Associates Inc.

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

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 secure storage areas 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.

Golder Associates

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

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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 1 Monthiy Site Inspection Air Monitoring Results Yeoman Creek/Edwards Field Landfills RVFS

						_		1000		3	1001 01		-		
Unite Location	¥rei	CG(1) 20, 1504 CG(1) FII	FID(2) (ppm)		cci K Orygen	FID (ppm)		CGI 10, 1994	FID (ppm)		May 19, 1994 CGI - % Oxygen	(ppm)		June 23, 1994 CGI	(ppm)
2122 Yeoman Street	NM(5)	NM(5)													1
(Evoy Fropenty) Background Sump (SW comer)			000	000	8 8 2 2 2	00 to 30	000	888	000	000	808	44	000	8 8 2 2	000
Floor Urtain SW corner) Entrance to crawl space						2 2			0 2 0 2						
roorwell points. North well South well East well			000	000	8 8 8 8 0 8 0 8 0 8 0	15 to 20 10 to 20		80 80 80 R R R	002		282	44		55 65 6 22 22 22	
West well						2.2	200				82				20
1615 Sunset Avenue (Terrace Nursing Home)	(E)MN	(E)MN	(E)MN									<u> </u>			
Background				00	208	0.0 to 1 0	00	208	00	00	208	00	00	\$08	00
						12.0	00		28		207	35			
Crack in floor (E-W C E) Crack in floor (N-S C S)				000	210	000		8 8 8 8	9 D .	00	88	35.0	0.0	210	0 0 0 0
Floor drain (East) Floor drain (West)						000	000		28 20		222	28 29			
Linen Room. Ambient Air				00	20.8	10.0	00	208	04	00	20.7	18	00	210	00
Cracks in concrete Mid room, N-S D S						10.0	0.0			00	207	11	00	21.0	00
East and, N-S & center Fact well & Meething 2006						000	000			000	22	80 0	00	510	00
Medical records room(Ambient Air)					22	0.0	200	88	2 2 2	00	88	22	000	510	00
Lunci room(Anbert Ar) Maintenance room(Ambert Ar)						000	000			NM(6)	NM(6) 20.7	NM(6)	NM(6)	NM(6) 20 8	0 0 0 0
Boiler room. Amhaart Air						0	20	o c		0	ş		0	ş	Ċ
Floor draw						200	000			80				8 8 8	33
Hair Selon(Ambient Air) North office(Ambient Air)				00	210 208	0.0	000	6 6 R R	48	00	ຄືຄື	90	00	6 6 R R	000
Activities room										1			1		
Amovent Air Floor drain				000	8 8	000	000	6 8 8 8	24	000	88	42	0	6 Q	000
Physiotherapy(Ambient Air)				0	88	0	88	8	26	80	88	- 0 7 0 7 0	0	6 Q	000
Lounge(Ambient Air) South office/Ambient Air)				0 0	20.8	0.5 NM	000	8 Q	9 C	000	88	15	00	602	00
South caged storage area (Ambient Aur)				00	20.8	00	80	88	50	000	8 Q8	21	00	8 8 8 8	80
Activities once(Ambient Air) Vending monit/Ambient Air)				000	R	000	000	88	~ ~ ~	000	ຂຶ້	43	-	602	8
NW lunch room(Ambient Air)				20	210	20	000	8 8 8 8	32	000		30	00	6 Q	000
North caged storage area(Ambient Air)				00	208	0	00	6 QZ	20	00	208	16	10	6 02	00
Uuct room(Ambient Air) Ocen stornoe/Ambient Air)						000	000	88	32	000	6 Q2	50	00	60	000
Open Storage (Floor Drain)				X	N	S N	S NN	e w	N N	ŝž	Â	N N	W	Â.	₿₹
Sump room Sump				00		0 to 2			120.0		A M	02	00	6 UK	420.0
Ambient Air				00	208	001010	00	8 2	34	00	802) 6			

CGI - Combustible Gas Indicator
 FID - Fiame ionization Detector
 During the February 28, 1994 inspection, access to 1615 Sunset Avenue could not be obtained
 AN - Not Measured
 CGI readings during the February 28, 1994 inspection could not be obtaine
 CGI readings during the February 28, 1994 inspection could not be obtaine
 to mailtunctioning equipment.
 Key to room will a variitable on site and therefore the room was not accessible

Page 1 of 1 ~ Table 2 Basement Screening Results 1401 Through 1451 West Golf Road Building Waukagan, Illinois

		· · ·	June 23, 19						
			June 43, 19	CGI	· · · ·		June 28, 19	CGI	
	TATION	FID (ppm unless noted otherwise)	LEL (Percent)	HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)	FID (ppm unless noted otherwise)	LEL (Percent)	HYDROGEN SULFIDE	OXYGEN
	W Golf	Hoted Oalet wate)		(ppin)	(reiven)	noted otherwate)	(reideni)	(ppm)	(Percent)
	Background (N of Bidg)	0	••	0	20.8	0	0	0	20 8
	Breathing Zone of Basement	Ó		0	21	42	1	0	20 1
	Southwest Corner of Basement	0	••	Ö	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	Ō	0	20 8
-	Northeast Corner of Basement	0		0	21	07		0	20 7
-	Top of Sump Sink Dram	0		0	21	<u>60</u> 42		0	20.8
	Toilet Drain (Plugged)	0	**		21	40	- 	0	20 8
	Shower Drain (Plugged)	0	••	0	21	70	+ ;	0	20 7
	Sauna Dram (Rag Stuffed in Dram)	0		- ŏ	21	65	ő	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
407	W Golf								
	Background (N. of Bidg)	**	••		••	0	0	0	20 8
	Bresthing Zone of Basement		••			6	ő	0	20 8
-t	Southwest Corner of Basement	••		••	••	7	ō	0	20 8
	Southeast Corner of Basement		••	**	••	9	Ō	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
_1	Crack in Floor Near N. Wall (Center)			**	••	12	0	0	20.9
_	Crack an Floor at S. Wall				••	21	0	0	20.9
_	Floor Drain			L		NM	NM	NM	NM
	& 1419 W Golf								
	undry Room								
	Background (N. of Bidg)	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		0	20 9
-	Southeast Corner of Basement Northwest Corner of Basement	0		0	20.8	4		0	20.9
	Northeast Corner of Basement			0	20.8		0	0	20.9
	Sump (No pump installed)	<u> </u>		ŏ	20.8				20.9
	m Malang Room					· · · · ·		···	
	Breathing Zone of Basement	48	••	••	••	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	211
_	Northeast Corner of Besement			••		18	1	0	21
	Cruck in Floor (Center)					<u>70</u> 150	1	0	21
	Floor Drain (Blocked)					150		0	21
1425	W. Golf								
1	Background (N. of Bidg)	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 Besement	1	•••	0	20.8	32	i	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	••	ō	20.8	34	1	0	20.7
	Top of Sump	1		0	20.8	280		0	20.7
_	Crack in Floor Near Southeast Corner	0		0	20.8	40	<u> </u>	0	20 7
-+	Crack in Floor of Workzoom (North)	36		0	20.8	160		0	20.7
	Floor Dram (blocked)	-	L			1/0	ليستلمسها	0	20.7
	W Gotf								
_	Beckground (S. of Bidg)	**	••			0	0	0	20.8
_	Breathing Zone of Besement	**				0	<u> </u>	0	20.8
	Southwest Corner of Basement		••			~	1	0	20.8
	Southeast Corner of Basement Northwest Corner of Basement					<u> </u>	i	0	20.8
	Northwest Corner of Basement		••	••		1	ō	0	20.8
-	Top of Sump (SW corner)			••		6	-i-l		20.8
-	Shower Drain	**		••	**	4	0	0	20.8
	Sink Drain	**	••	••	••	7	0	0	20 8
	Todet		••	••	••	5	0	0	20.8
_	W. Golf Road								
	Background (S. of Bidg)	**	••	••	•• 1	0	0		20 8
-+	Breaching Zone of Besegget		••	••		320	3		20.6
-+	Southwest Corner of Benernent	**	••		**	380	4	0	20.7
	Southeast Corner of Bassment	**		**	••	320	3	0	20.8
	Northwest Corner of Basement		••		**	450	4	0	20.7
	Northeast Corner of Beastment	**	••	**	••	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

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

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

PD CGI (F) CGI (F) CGI (F) PD CGI (F) CGI (F) </th <th></th>										
Uppen unless LEL S.U.FIDE OXYCEN (ppen unless) LEL S.U.FIDE LOC ATION inded observation (ppen) Prevent) (ppen) Prevent) (ppen) LeW Cold *** *** *** *** 0 0 0 0 Brackground (N of Skap) *** *** *** *** 0 <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>June 30, 199</th><th>CĠI</th><th></th></t<>								June 30, 199	CĠI	
LOCATION noid obrevest (Percent) (pen) Percent) (open) (pen) Background (N of Sking) ** ** ** ** 0 0 0 Supprest Carne of Basement ** ** ** ** 0 0 0 Supprest Carne of Basement ** ** ** ** 0 0 0 Notivest Carne of Basement ** ** ** ** 0 0 0 Tog of Sump ** ** ** ** ** 0 0 0 Start Draw (Figure 1) ** ** ** ** 0 0 0 Start Draw (Figure 1) ** ** ** 0							1		HYDROGEN	
1et W Colf ••• ••• ••• 0 0 0 Bratground N of Blag ••• ••• ••• 0 0 0 Southwat Connor of Basement ••• ••• ••• 0 0 0 Southwat Connor of Basement ••• ••• ••• 0 0 0 Southwat Connor of Basement ••• ••• ••• 0 0 0 Norbast Connor of Basement ••• ••• ••• 0 0 0 Southwat Connor of Basement ••• ••• 0 0 0 0 South Chain Connor of Basement ••• ••• 0 </th <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>OXYGEN</th>										OXYGEN
Background (N of Blag) **<			noted otherwise)	(Percent)	(ppm)	Paroanti	noted otherwise	(Percent)	(ppm)	(Percent)
Base 2 and 2 before Control of Basement Image: Control of Basement Image: Control of Basement Image: Control B	140				·					
Support Corner of Basement ** <td< td=""><td></td><td></td><td></td><td>1</td><td>1</td><td></td><td></td><td></td><td></td><td>20 8</td></td<>				1	1					20 8
Southwai Conner of Basement ** <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>21</td></t<>										21
Notices (Contro of Basement) ···			**	1				Ō		20 8
Top of Soling Production					1			0	0	21
Construct Image of the second se						L.				21
Toget Trans (Flagged) ** </td <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td>20.8</td>					1					20.8
Shower Dram, Phages) ** <td></td> <td></td> <td>••</td> <td></td> <td></td> <td></td> <td></td> <td>the second second</td> <td></td> <td>20.8</td>			••					the second second		20.8
Saure Dran (Lag Shifted n Dran) ••• ••• ••• ••• 0 0 0 Crace in Boor (rooth of name, AS-1) ••• ••• ••• 0 0 0 Background (N of Bidg) 0 0 0 0 0 0 0 0 Background (N of Bidg) 0 </td <td></td> <td></td> <td>••</td> <td>••</td> <td>••</td> <td></td> <td></td> <td></td> <td></td> <td>21</td>			••	••	••					21
Link n bod (N & Gard, AS-2) ** ** ** 0 0 0 1407 W Colf Background (N of Bdg) 0				1	••	••				21
Links in the (Motion Bray, Area) 1 1 1 1 0 0 Background (N of Bdg) 0		Crack in floor (NE corner, AS-1)	1					0	0	21
Becground (N of Bkg) 0		Crack in floor (north of sump, AS-2)	[••		1		0	0	0	21
International Control of Bestment 1 0 0 200 1 0 0 Southwest Control of Bestment 05 0 0 209 0 0 0 Northwest Control of Bestment 05 0 0 209 0 0 0 Northwest Control of Bestment 07 0 0 209 0 0 0 Top of Sump 2 0 0 209 0 0 0 0 Cinck in Noor Near N Wall (Center) 05 0 0 0.0 0 <td>1407</td> <td>/W_Golf</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	1407	/W_Golf								
Southwest Control Glasement 0 5 0 0 209 0 0 0 Northest Control Glasement 0.5 0 0 209 0 0 0 Northest Control Glasement 0.7 0 0 209 0 0 0 0 Top of Sump 2 0 0 209 0 0 0 0 0 Crack in Floor Has N Wall (Center) 0.5 0 0 0.0 0 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0</td> <td></td> <td></td> <td>20.8</td>							0			20.8
Southeast Control of Basement 0.5 0 0.209 0 0 0 Northwest Control of Basement 0.5 0 0.209 0 0 0 Top of Sump 2 0 0 209 0 0 0 Cinck in Floor New NWall (Center) 0.5 0 0 209 0 0 0 Cinck in Floor New NWall (Center) 0.5 0 0 209 0 0 0 Landby Rom 1 0 0 209 0 0 0 0 Landby Rom 1 0 0 208 1 0 0 Baskground (N of Bidg) 1 0 0 208 1 0 0 Southwest Contre of Basement 0.5 0 0 208 1 0 0 Southwest Contro of Basement 0.5 0 0 208 2.5 0 0 Southest Contro of Basement 0.5 0 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>20 8</td>										20 8
Northware Corner of Basement 0.5 0 0.70 0	_									20.8
Northeast Corner of Basement 0.7 0 0.7 0 0.7 0 0.7 0 0.7 0 0.7 0 0.7 0 0.7 0 0.7 0<	_			and the second se						20.8
Top of Sump 2 0 0 0.9 0 0 0 Check in Floor New N Will Center) 0.5 0 0.299 0 0 0 Chock in Floor New N Will Center) NM SG 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0										20.8
Cneks in Floor Near N Wall (Criter) 0.5 0 0 20.9 0 0 0 Cneks in Floor Nam NM Submedit Criter of Basement										20 8
Floor Drum NM			05							20 8
1415 & 1419 W Golf Laundry Room Beckground (N of Bidg) 1 0 0 20.4 0 21.5 0 0										20 8
Laundy Room Image: Construction of Disking Image: Construction of Diskement O O Breadying Zone of Diskement 0.5 0 0 20.8 3.5 0 0 Southwest Corner of Diskement 0.5 0 0 20.8 2.4 0 0 Northeast Corner of Diskement 0.5 0 0 20.8 2.4 0 0 Northeast Corner of Diskement 0.5 0 0 20.8 2.5 0 0 Northeast Corner of Diskement 0.5 0 0 20.8 2.5 0 0 Stathwest Corner of Diskement 0.5 0 0 20.8 2.5 0 0 Stathwest Corner of Diskement 6 0 0 20.8 4.2 0 0 0 Southwest Corner of Diskement 5.4 0 0 20.8 4.2 0 0 Southwest Corner of Diskement 3.4 0 0 20.8 4.0 0 0			NM	<u>NM</u>	<u>INM</u>	<u>NM</u>	I <u>NM</u>	NM	NM	NM
Beckground (N of Bidg) I 0 0 20.8 1 0 0 Breatung Zone of Basement 0.5 0 0 20.8 3.5 0 0 Southwest Corner of Basement 0.5 0 0 20.8 3.5 0 0 Northwest Corner of Basement 0.5 0 0 20.8 2.4 0 0 Northwest Corner of Basement 0.5 0 0 20.8 2.5 0 0 Northwest Corner of Basement 0.5 0 0 20.8 2.5 0 0 Stamp (No pump analade) 0.5 0 0 20.8 2.5 0 0 Stamp (No pump analade) 0.5 0 0 20.8 2.5 0 0 Stamp (No pump analade) 0.5 0 0 20.8 2.5 0 0 Stamp (No pump analade) 0 0 20.8 2.5 0 0 Southeast Corner of Basemen						<u> </u>				
Brashing Zone of Basement 0.3 0 0.28 3.3 0 0 Southwest Corner of Basement 0.5 0 0.708 3.5 0 0 Northwast Corner of Basement 0.5 0 0.708 2.4 0 0 Northeast Corner of Basement 0.5 0 0.708 2.5 0 0 Northeast Corner of Basement 0.5 0 0 2.08 2.5 0 0 Suthwast Corner of Basement 0.5 0 0 2.08 3.5 0 0 Suthwast Corner of Basement 6 0 0 2.08 3.5 0 0 Breadung Zone of Basement 5.6 0 0 2.08 4.2 0	- 64									
Southwest Corner of Basement 0.5 0 0.78 3.3 0 0 Southwest Corner of Basement 0.5 0 0.70.8 2.4 0 0 Northwest Corner of Basement 0.5 0 0.70.8 2.4 0 0 Northwest Corner of Basement 0.5 0 0.20.8 2.5 0 0 Sump (No pump orstalled) 0.5 0 0.20.8 2.5 0 0 Sent Making Room - - - - - - Breaturg Zone of Basement 6 0 0.20.8 4.0 0 0 Southwest Corner of Basement 5.6 0 0.20.8 4.2 0 0 Northeast Corner of Basement 5.4 0 0 20.8 4.2 0 0 Northeast Corner of Basement 5.6 0 0 20.8 4.0 0 0 Recipround (N of Bidg) 30 0 0.20.8 4 0	_									20 8 20.8
Southeast Corner of Basement 05 0 0 208 2.4 0 0 Northwest Corner of Basement 05 0 0 208 25 0 0 Sum (No pump natalled) 05 0 0 208 2.5 0 0 Sum Making Room -	-									20.8
Northeast Corner of Basement 0.5 0 0.20.8 2.5 0 0 Sump (No pump unstalled) 0.5 0 0 20.8 3.5 0 0 Breaching Zone of Basement 6 0 0.20.8 3.5 0 0 Breaching Zone of Basement 6 0 0.20.8 4.2 0 0 Southwest Corner of Basement 5.6 0 0.20.8 4.2 0 0 Northwest Corner of Basement 5.6 0 0.20.8 4.7 0 0 Northwest Corner of Basement 5.4 0 0 20.8 4.2 0 0 Crack in Floor (Center) 6 0 0 20.8 4.2 0 0 IPoor Drun (Blocka) 30 0 0 20.8 3.5 0 0 IA23 W Golf	_									20.8
Sump (No pump installed) 0.5 0 0 20.8 3.5 0 0 Sep Making Room - </td <td></td> <td>Northwest Corner of Basement</td> <td>0.5</td> <td>0</td> <td>0</td> <td>20.8</td> <td>2.5</td> <td>0</td> <td>0</td> <td>20.8</td>		Northwest Corner of Basement	0.5	0	0	20.8	2.5	0	0	20.8
Sep Mating Room										20.8
Breaking Zone of Basement 6 0 208 4 0 0 Southwest Corner of Basement 56 0 0 208 42 0 0 Northwest Corner of Basement 56 0 0 208 47 0 0 Northwest Corner of Basement 56 0 0 208 47 0 0 Northwest Corner of Basement 54 0 0 208 47 0 0 Cruck in Floor (Center) 6 0 0 208 4 0 0 H23 W Colf			05	0	0	20.8	3.5	0	0	20.8
Southwat Corner of Basement 6 0 20.8 52 0 0 Southeast Corner of Basement 5.6 0 0 20.8 4.2 0 0 Northwest Corner of Basement 5.6 0 0 20.8 4.2 0 0 Northwest Corner of Basement 5.4 0 0 20.8 4.2 0 0 Cruck in Floor Center) 6 0 0 20.8 4 0 0 Eloc Drun (Blocked) 30 0 0 20.8 35 0 0 Id25 W Golf 0 0 20.8 0 0 0 Breathing Zone of Basement 5.6 0 0 20.8 7 0 0 Southwest Corner of Basement 3.4 0 0 20.8 7 0 0 Southwest Corner of Basement 3.4 0 0 20.8 7 0 0 Northwest Corner of Basement<			6	_		20.8			0	20.8
Southeast Corner of Basement 56 0 208 42 0 0 Northwest Corner of Basement 56 0 0 208 47 0 0 Northwest Corner of Basement 54 0 0 208 47 0 0 Cneck in Floor (Center) 6 0 0 208 4 0 0 Id2SW Golf										20.8
Northwest Corner of Basement 56 0 0.20.8 4.7 0 0 Northeast Corner of Basement 5.4 0 0 20.8 4.2 0 0 Crack in Floor (Center) 6 0 0 20.8 4.4 0 0 Floor Dran (Blocked) 30 0 0 20.8 35 0 0 1425 W Colf										20.8
Cruck m Floor (Center) 6 0 0 20.8 4 0 0 Floor Drun (Blocked) 30 0 0 20.8 33 0 0 1425 W Colf			5.6	0	0	20 8	4.7	0	0	20.8
Floor Dram (Blocked) 30 0 0 20.8 35 0 0 1425 W Golf Background (N. of Bldg.) 0 0 0 20.8 0 0 0 Background (N. of Bldg.) 0 0 0 20.8 0 0 0 Breathurg Zone of Basement 5.6 0 0 20.9 7 0 0 Southwest Corner of Basement 7.8 0 0 20.8 7 0 0 Northwest Corner of Basement 34 0 0 20.8 7 0 0 Northwest Corner of Basement 5 0 0 20.8 7 0 0 Northwest Corner of Basement 5 0 0 20.8 7 0 0 Crack in Floor Near Southeast Corner 13 0 0 20.9 10 0 0 Crack in Floor Near Southeast Corner of North) 26 0 0 0 0 0 0										20.8
1425 W Golf Beckground (N. of Bldg) 0 0 0 20.8 0 0 0 Breathung Zone of Basement 3.6 0 0 20.9 7 0 0 Southwest Corner of Basement 3 0 0 20.8 7 0 0 Southwest Corner of Basement 7 0 0 20.8 7 0 0 Northwest Corner of Basement 3.4 0 0 20.8 7 0 0 Northwest Corner of Basement 5 0 0 20.8 7 0 0 Top of Sump 60 1 0 20.8 7 0 0 Crack an Floor Near Southeast Corner 13 0 0 20.9 15 0 0 Crack an Floor of Workroom (North) 26 0 0 20.9 55 0 0 Hoor Near Corner of Basement 1 0 0 20.9 55 0 0 Hoor Dam (blocked) 00 0 0 0 20.9										20.8
Background (N of Bidg) 0 0 0 20.8 0 0 0 Breathing Zone of Basement 3 0 0 20.9 7 0 0 Southwest Corner of Basement 3 0 0 20.8 7 0 0 Southwest Corner of Basement 78 0 0 20.8 7 0 0 Northwest Corner of Basement 34 0 0 20.8 7 0 0 Northwest Corner of Basement 5 0 0 20.8 7 0 0 Northwest Corner of Sump 60 1 0 20.8 7 0 0 Crack in Floor of Workroom (North) 26 0 0 20.9 15 0 0 Crack in Floor of Workroom (North) 26 0 0 20.9 15 0 0 Background (S of Bidg) 0 0 0 20.8 1 0 0 Southwest Co	_	Picor Dinat (Biocked)	30		<u> </u>	08		<u> </u>		20.8
Background (N. of Bidg) 0 0 0 20.8 0 0 0 Breathing Zone of Basement 3 0 0 20.9 7 0 0 Southwest Corner of Basement 3 0 0 20.9 7 0 0 Southwest Corner of Basement 78 0 0 20.9 7 0 0 Northwest Corner of Basement 78 0 0 20.8 7 0 0 Northwest Corner of Basement 5 0 0 20.8 7 0 0 Northwest Corner of Basement 5 0 0 20.8 7 0 0 Top of Sump 60 1 0 20.8 7 0 0 Crack in Floor of Workzom (North) 26 0 0 20.9 15 0 0 Hoor Drain (koched) 60 0 0 20.8 1 0 0 Southwest Corner of Basement	1425	SW Golf								
Southwist Corner of Basement 3 0 0 2018 7 0 0 Southwest Corner of Basement 78 0 0 20.9 7 0 0 Northwest Corner of Basement 34 0 0 20.8 7 0 0 Northwest Corner of Basement 5 0 0 20.8 7 0 0 Top of Sump 60 1 0 20.8 7 0 0 Crack in Floor of Workroom (North) 26 0 0 20.9 10 0 0 Crack in Floor of Workroom (North) 26 0 0 20.9 15 0 0 Crack in Floor Overkroom (North) 26 0 0 20.9 15 0 0 Beckground (S of Bidg) 0 0 0 20.8 1 0 0 Southwest Corner of Basement 0.1 0 20.8 1 0 0 Southwest Corner of Basement			0	0	0	20.8	0	0	0	20.8
Southeast Corner of Basement 78 0 0 20.9 7 0 0 Northwest Corner of Basement 3.4 0 0 20.8 7 0 0 Northwest Corner of Basement 5 0 0 20.8 7 0 0 Top of Sump 60 1 0 20.8 7 0 0 Crack in Floor of Workzoom (North) 26 0 0 20.9 15 0 0 Crack in Floor of Workzoom (North) 26 0 0 20.9 15 0 0 Floor Drain (blocked) 60 0 0 20.9 55 0 0 1431 W. Golf										20 9
Northwest Corner of Basement 34 0 0 20.8 7 0 0 Northeast Corner of Basement 5 0 0 20.8 7 0 0 Top of Sump 60 1 0 20.8 7 0 0 Crack in Ploor Near Southeast Corner 13 0 0 20.9 10 0 0 Crack in Ploor of Workroom (North) 26 0 0 20.9 15 0 0 Floor Drain (blocked) 60 0 0 20.9 55 0 0 143! W. Golf										20.9
Northeast Corner of Basement 5 0 0 20.8 2 0 0 Top of Sump 60 1 0 20.8 7 0 0 Crack in Floor Near Southeast Corner 13 0 0 20.9 10 0 0 Crack in Floor Near Southeast Corner 13 0 0 20.9 10 0 0 Crack in Floor Near Southeast Corner 13 0 0 20.9 15 0 0 Crack in Floor Orain (North) 26 0 0 20.9 55 0 0 Hoor Drain (blocked) 60 0 0 20.9 55 0 0 Breathing Zone of Basement 1 0 0 20.8 1 0 0 Southwest Corner of Basement 0.1 0 0 20.8 1 0 0 Northwest Corner of Basement 0.8 0 0 20.8 1 0 0 N										20.9
Top of Sump 60 1 0 20.8 7 0 0 Crack in Floor Near Southeast Corner 13 0 0 20.9 10 0 0 Crack in Floor of Workroom (North) 26 0 0 20.9 15 0 0 Floor Drain (North) 26 0 0 20.9 15 0 0 Floor Drain (North) 0 0 0 0 20.9 55 0 0 Host of Workroom (North) 0 0 0 20.9 55 0 0 Host Southeast Corner of Basement 1 0 0 20.8 1 0 0 Southwest Corner of Basement 0.1 0 0 20.8 1 0 0 Southwest Corner of Basement 0.6 0 0 20.8 1 0 0 Northeast Corner of Basement 0.8 0 0 20.8 1 0 0 <td< td=""><td>_</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>20.9</td></td<>	_									20.9
Crack in Floor Near Southeast Corner 13 0 0 209 10 0 0 Crack in Floor of Workroom (North) 26 0 0 209 15 0 0 Floor Drain (blocked) 60 0 0 209 55 0 0 131 W. Golf	_									20.9
Floor Drain (blocked) 60 0 0 20.9 55 0 0 I431 W. Golf Beckground (S. of Bidg.) 0 0 0 20.8 0 0 0 Breathing Zone of Basement 1 0 0 20.8 1 0 0 Southwest Corner of Basement 0.1 0 0.0 20.8 1 0 0 Southwest Corner of Basement 0.6 0 0 20.8 1 0 0 Northwest Corner of Basement 0.6 0 0 20.8 1 0 0 Northwest Corner of Basement 0.8 0 0 20.8 1 0 0 Northwest Corner of Basement 0.8 0 0 20.8 1 0 0 Northwest Corner of Basement 0.8 0 0 20.8 1 0 0 Stokert Drain 1.2 0 0 20.8 2 0 0						20 9			0	20.9
1431 W. Golf Background (S. of Bidg.) 0 0 0 208 0 0 0 Breathing Zone of Basement 1 0 0 208 1 0 0 Southwest Corner of Basement 0.1 0 0 208 1 0 0 Southwest Corner of Basement 0.6 0 0 208 1 0 0 Northwest Corner of Basement 0.6 0 0 20.8 1 0 0 Northwest Corner of Basement 0.6 0 0 20.8 1 0 0 Northwest Corner of Basement 0.8 0 0 20.8 1 0 0 Northwest Corner of Basement 0.8 0 0 20.8 1 0 0 Northwest Corner of Basement 0.8 0 0 20.8 1 0 0 Northwest Corner of Basement 0.8 0 0 20.8 2 0 0 Shower Dran 1.2 0 0 20.8 2										20.9
Background (S. of Bidg.) 0 0 0 20.8 0 0 0 Breathing Zone of Basement 1 0 0 20.8 1 0 0 Southwest Corner of Basement 0.1 0 0 20.8 1 0 0 Southwest Corner of Basement 0.6 0 0 20.8 1 0 0 Northwest Corner of Basement 0.6 0 0 20.8 1 0 0 Northwest Corner of Basement 0.6 0 0 20.8 1 0 0 Northwest Corner of Basement 0.8 0 0 20.8 1 0 0 Northwest Corner of Samp (SW corner) 1.2 0 0 20.8 2 0 0 Shower Dran 1.2 0 0 20.8 2 0 0 Shuk Dran 1.2 0 0 20.8 2 0 0 Shuk Dran 2.2<		Floor Drain (blocked)	60	0	0	20.9	55	0 1	0	20.8
Breathing Zone of Basement 1 0 0 20.8 1 0 0 Southwest Corner of Basement 0.1 0 0 20.8 1 0 0 Southwest Corner of Basement 0.6 0 0 20.8 1 0 0 Northwest Corner of Basement 0.6 0 0 20.8 1 0 0 Northwest Corner of Basement 0.6 0 0 20.8 1 0 0 Northeast Corner of Basement 0.8 0 0 20.8 1 0 0 Northeast Corner of Basement 0.8 0 0 20.8 1 0 0 Top of Sump (SW corner) 1.2 0 0 20.8 2 0 0 Shower Drain 1.2 0 0 20.8 2 0 0 Sink Drain 1.2 0 0 20.8 2 0 0 I Tojiet 2.2	143									
Southwest Corner of Basement 0.1 0 0 20.8 1 0 0 Southwest Corner of Basement 0.6 0 0 20.8 1 0 0 Northwest Corner of Basement 0.6 0 0 20.8 1 0 0 Northwest Corner of Basement 0.8 0 0 20.8 1 0 0 Northwest Corner of Basement 0.8 0 0 20.8 1 0 0 Top of Sump (SW corner) 1.2 0 0 20.8 2 0 0 Shower Dran 1.2 0 0 20.8 2 0 0 Snuk Dran 1.2 0 0 20.8 2 0 0 Toylet 2.2 0 0 20.8 4 0 0			0				0			20.8
Southeast Corner of Basement 0.6 0 0.20.8 1 0 0 Northwest Corner of Basement 0.6 0 0 20.8 1 0 0 Northwest Corner of Basement 0.8 0 0 20.8 1 0 0 Northwest Corner of Basement 0.8 0 0 20.8 1 0 0 Top of Sump (SW corner) 1.2 0 0 20.8 2 0 0 Shower Dran 1.2 0 0 20.8 2 0 0 Sink Dran 1.2 0 0 20.8 2 0 0 Togict 2.2 0 0 20.8 2 0 0 1451 W Colf Road 2.2 0 0 20.8 4 0 0	_		<u> </u>						-	20 8
Northwest Corner of Basement 0.6 0 0.20.8 1 0 0 Northwest Corner of Basement 0.8 0 0 20.8 1 0 0 Top of Sump (SW corner) 1.2 0 0 20.8 2 0 0 Shower Drun 1.2 0 0 20.8 6 0 0 Sink Dran 1.2 0 0 20.8 2 0 0 Togist 2.2 0 0 20.8 4 0 0										20.8
Northeast Corner of Basement 0.8 0 0.20.8 1 0 0 Top of Sump (SW corner) 1.2 0 0 20.8 2 0 0 Shower Drain 1.2 0 0 20.8 6 0 0 Sink Drain 1.2 0 0 20.8 2 0 0 Touel 2.2 0 0 20.8 4 0 0 1451 W Golf Road	\neg									20.8
Top of Sump (SW corner) 1.2 0 0 20.8 2 0 0 Shower Drain 1.2 0 0 20.8 6 0 0 Sink Drain 1.2 0 0 20.8 2 0 0 Toylet 1.2 0 0 20.8 2 0 0 Toylet 2.2 0 0 20.8 4 0 0 1451 W Golf Road 2 0 0 20.8 4 0 0	_									20.8
Sink Dram 1.2 0 0 20.8 2 0 0 Toylet 2.2 0 0 20.8 4 0 0 1451 W Golf Road 2 0 0 20.8 4 0 0			1.2		0	20 8				20.8
Todet 2.2 0 0 20.8 4 0 0 1451 W Golf Road										20.8
1451 W. Golf Road										20.8
			1.1	0	0	10 8	4	0		20.8
	145									
Background (S of Bidg) 0 0 0 20 8 0 0 0										20.8
Breathing Zone of Basement 360 2 0 20 7 300 2 0 Southwest Corner of Basement 320 3 0 20 7 300 1 0	_									20.8
Southwest Conner of Deservices 320 3 0 20 300 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0										20.7
Social set Control of Desemption 480 3 0 20.7 410 2 0	-									20.8
Northeast Corner of Basement 350 2 0 20 7 300 2 0		Northeast Corner of Basement				20 7		2		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 Classic in Floor (West End) >1000 12 0 20.6 >1000 12 0		Crack in Floor (West End) Floor Dman	>1000	4	0	20.6	>1000	8	0	20.5

Notes:

tes: NM= Not Measured • - Not Measured because monstoring point could not be loosted •• - Not Measured due to access problem.

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Table 2 Besement Screening Results 1401 Through 1451 West Golf Road Building Waukogan, Binow

			<u>July I, 1994</u> T		-		July 5, 1994		
		FID	 	CGI HYDROGEN		FID		CGI	
		(ppm unless	LEL	SULFIDE	OXYGEN	(ppm unless	LEL	SULFIDE	OXYGEN
	CATION	noted otherwise)	(Percent)	(ppm)	(Percent)	noted otherwise)	(Percent)	(ppm)	(Percent)
40	I W Golf								
	Beckground (N. of Bidg)	0	0	0	20.8	0	0	0	20 8
_	Breathing Zone of Besement	0	0	0	20.8			0	20.8
_	Southwest Corner of Basement Southeast Corner of Basement	0	0	0	20.8	<u>41</u> 50	0	0	20.8
	Northwest Comer of Basement		t ő –	<u> </u>	20.8	48		0	20.8
	Northeast Corner of Basement	Ö	0	0	20 8	38	ò	ō	20.8
	Top of Sump	0	0	0	20.8	42	1	0	20.8
_	Sink Drain	0	0	0	20.8		0	0	20.8
	Todet Drain (Plugged) Shower Drain (Plugged)	0	0	0	20.8	41	0	0	20.8
	Sauna Dram (Rag Stuffed in Dram)	0	- 	0	20.8	52	0	0	20.8
-	Crack in floor (NE corner, AS-1)	0	ů –	ő	20.8	>1000	24	ŏ	20.8
	Crack in floor (north of sump, AS-2)	0	0	0	20.8	>1000	4	0	20.8
40'	7 W. Golf								
	Background (N. of Bidg)	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 55	<u> </u>		20.7
	Top of Sump Crack in Floor Near N. Wall (Center)	10	0	0	20.9		0	0	20.7
	Crack in Floor Near N. Wall (Center)	10	- -	0	20.9	65	0	0	20.7
-	Floor Drain		t ö	ő	20.9	NM	NM	NM	NM
41.	5 & 1419 W. Golf	· · · · · · · · · · · · · · · · · · ·	· · · · · · · ·						
	undry Room		r		T		· · · · ·	ı	
-	Background (N. of Bidg)	0	0	0	20.7		0	0	20.7
-	Breathing Zone of Basement	10	0	0	20.7	50	i	ō	20.7
	Southwest Corner of Basement	15	1	0	20.7	45	2	0]	20.7
	Southeast Corner of Basement	15		0	20.7		1	0	20.7
	Northwest Corner of Basement	20		0	20.7	61		0	20.7
	Northeast Corner of Basement	30		0	20.7	51	2	0	20.7
c.,	Sump (No pump installed)	600	2	0	20.7	46	2	0	20.7
30	n Making Room Breathing Zone of Besement	30		0	20.7	50	0	0	20.8
	Southwest Corner of Basement	30	t	0	20.7	46	- č -	<u> </u>	20.8
-	Southwest Corner of Basement	26		0	20.7	42	- Ö	ŏ	20.8
	Northwest Corner of Basement	30		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		0	20.7	130	0	0	20.8
-	5 W Golf								
443	Background (N. of Bldg)	0		0	20.8	0	0	0 1	20.8
-	Breathing Zone of Basement	18	t ő t	0	21	180	- ŏ - t		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 20.8
	Northeast Corner of Basement	16	0	0	20.9 NM	180 180	0	0	20.8 20.8 20.8
	Northeast Corner of Basement Top of Sump	<u>16</u> 35	0	0	20.9 NM 20.9	180 180 270	0	0	20.8 20.8 20.8 20.8
_	Northeast Corner of Basement Top of Sump Crack in Floor Near Southeast Corner	16 35 84	0 1 1	0 0 0 0	20.9 NM 20.9 20.9	180 180 270 200	0 0 0	0 0 0	20.8 20.8 20.8 20.8 20.8 20.8
	Northeast Corner of Basement Top of Sump Crack in Floor Near Southeast Corner Crack in Floor of Workroom (North)	16 35 84 55	0	0 0 0 0	20.9 NM 20.9 20.9 20.9 20.9	180 180 270 200 165	0 0 0 0	0 0 0 0	20.8 20.8 20.8 20.8 20.8 20.8 20.8
	Northeast Corner of Basement Top of Sump Crack in Floor Near Southeast Corner Crack in Floor of Workroom (North) Floor Drum (blocked)	16 35 84	0 1 1 1	0 0 0 0	20.9 NM 20.9 20.9	180 180 270 200	0 0 0	0 0 0	20.8 20.8 20.8 20.8 20.8 20.8
43	Northeast Corner of Basement Top of Sump Crack in Floor Near Southeast Corner Crack in Floor of Workroom (North) Floor Drain (blocked) W Golf	16 35 84 55 64	0 1 1 1 1	0 0 0 0	20.9 NM 20.9 20.9 20.9 20.9	180 180 270 200 165 200	0 0 0 0 0	0 0 0 0 0 0	20.8 20.8 20.8 20.8 20.8 20.8 20.8 20.8
43	Northeast Corner of Basement Top of Sump Crack in Floor Near Southeast Corner Crack in Floor of Workroom (North) Floor Drain (blocked) W Colf Beckground (S of Bidg)	16 35 84 55 64 0	0 1 1 1		20.9 NM 20.9 20.9 20.9 20.9 20.9	180 180 270 200 165 200	0 0 0 0	0 0 0 0 0 0	20.8 20.8 20.8 20.8 20.8 20.8 20.8 20.8
43	Northeast Corner of Basement Top of Sump Crack in Floor Near Southeast Corner Crack in Floor of Workroom (North) Floor Drain (blocked) W Golf	16 35 84 55 64		0 0 0 0	20.9 NM 20.9 20.9 20.9 20.9	180 180 270 200 165 200		0 0 0 0 0 0	20.8 20.8 20.8 20.8 20.8 20.8 20.8 20.8
43	Northeast Corner of Basement Top of Sump Crack in Floor Near Southeast Corner Crack in Floor of Workroom (North) Floor Druin (blocked) W Golf Background (S of Bidg) Breathing Zone of Basement	16 35 84 55 64 22			20.9 NM 20.9 20.9 20.9 20.9 20.9 20.9 20.9 20.9	180 180 270 200 165 200 0 12 36 36 36		0 0 0 0 0 0 0 0 0 0 0 0 0	20.8 20.8 20.8 20.8 20.8 20.8 20.8 20.8
43	Northeast Corner of Basement Top of Sump Crack in Floor Near Southeast Corner Crack in Floor of Workroom (North) Floor Druin (blocked) W. Golf Beckground (S. of Bidg) Breathing Zone of Basement Southwest Corner of Basement Southeast Corner of Basement Northwest Corner of Basement	16 35 84 55 64 0 22 12 24 6			20.9 NM 20.9 20.9 20.9 20.9 20.9 20.9 20.9 20.9	180 180 270 200 165 200 0 12 36 12		0 0 0 0 0 0 0 0 0 0 0 0 0	20.8 20.8 20.8 20.8 20.8 20.8 20.8 20.8
43	Northeast Corner of Basement Top of Samp Crack in Floor Near Southeast Corner Crack in Floor of Workroom (North) Floor Druin (blocked) W. Golf Background (S. of Bldg) Breathing Zone of Basement Southwest Corner of Basement Northeast Corner of Basement Northeast Corner of Basement Northeast Corner of Basement	16 35 84 55 64 0 22 12 24 6 2			20.9 NM 20.9 20.9 20.9 20.9 20.9 20.9 20.9 20.9	180 180 270 200 165 200 0 12 36 36 12 12 12			20.8 20.8 20.8 20.8 20.8 20.8 20.8 20.8
43	Northeast Corner of Basement Top of Samp Crack in Floor Near Southeast Corner Crack in Floor of Workroom (North) Floor Druin (blocked) W. Golf Beckground (S of Bldg) Breathing Zone of Basement Southwest Corner of Basement Northeast Corner of Basement Northeast Corner of Basement Top of Samp (SW corner)	16 35 84 55 64 22 12 24 6 2 12 24 12			20.9 NM 20.9 20	180 180 270 200 165 200 0 12 36 36 36 36 36 12 12 12 12 32	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	20.8 20.8 20.8 20.8 20.8 20.8 20.8 20.8
43	Northeast Corner of Basement Top of Sump Crack in Floor Near Southeast Corner Crack in Floor of Workroom (North) Floor Druin (blocked) W Golf Beckground (S of Bldg) Breathing Zone of Basement Southeast Corner of Basement Southeast Corner of Basement Northwest Corner of Basement Southeast Corner of Basement Northwest Corner of Basement	16 35 84 55 64 0 22 12 24 6 2 12 6 6 6			20.9 NM 20.9 20.9 20.9 20.9 20.9 20.9 20.9 20.9	180 180 270 200 165 200 0 12 36 36 12 12 12 32 21		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	20.8 20.8 20.8 20.8 20.8 20.8 20.8 20.8
43	Northeast Corner of Basement Top of Samp Crack in Floor Near Southeast Corner Crack in Floor of Workroom (North) Floor Druin (blocked) W Colf Background (S of Bidg) Breathing Zone of Basement Southwest Corner of Basement Southwest Corner of Basement Northwest Corner of Basement Northeast Corner of Basement Northeast Corner of Basement Northeast Corner of Basement Northeast Corner of Basement Shower Drain Shower Drain	16 35 84 55 64 0 22 12 6 2 12 6 2 6 6 6 6 6 6 6			20.9 NM 20.9 20.9 20.9 20.9 20.9 20.9 20.9 20.9	180 180 270 200 165 200 0 12 36 36 12 12 12 32 21 20	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	20.8 20.8 20.8 20.8 20.8 20.8 20.8 20.8
	Northeast Corner of Basement Top of Samp Crack in Floor Near Southeast Corner Crack in Floor of Workroom (North) Floor Druin (blocked) W Golf Background (S of Bidg) Bresthing Zone of Basement Southwest Corner of Basement Southeast Corner of Basement Northwest Corner of Basement Northeast Corner of Basement Northeast Corner of Basement Northeast Corner of Basement Top of Samp (SW corner) Shower Drain Toilet	16 35 84 55 64 0 22 12 24 6 2 12 6 6 6			20.9 NM 20.9 20.9 20.9 20.9 20.9 20.9 20.9 20.9	180 180 270 200 165 200 0 12 36 36 12 12 12 32 21		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	20.8 20.8 20.8 20.8 20.8 20.8 20.8 20.8
	Northeast Corner of Basement Top of Sump Crack in Floor Near Southeast Corner Crack in Floor of Workroom (North) Floor Drain (blocked) W Colf Beckground (S of Bidg) Breathing Zone of Basement Southeast Corner of Basement Northwest Corner of Basement Northwest Corner of Basement Northwest Corner of Basement Northwest Corner of Basement Southeast Corner of Basement Southeast Corner of Basement Southeast Corner of Basement Shower Drain Shower Drain Sink Drain Toje of Southeast Corner Shower Drain Southeast Corner Shower Drain Shower Drain Showe	16 35 84 55 64 0 22 12 24 6 2 12 6 6 6 6 6 6			20.9 NM 20.9 20.9 20.9 20.9 20.9 20.9 20.9 20.9	180 180 270 200 165 200 0 12 36 36 36 36 12 12 12 32 21 20 18	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		20.8 20.8 20.8 20.8 20.8 20.8 20.8 20.8
	Northeast Corner of Basement Top of Sump Crack in Floor Near Southeast Corner Crack in Floor of Workroom (North) Floor Druin (blocked) W. Golf Background (S of Bldg) Breathing Zone of Basement Southeast Corner of Basement Northwest Corner of Basement Northwest Corner of Basement Northwest Corner of Basement Northwest Corner of Basement Southeast Corner of Basement Northwest Corner of Baseme	16 35 84 55 64 0 22 12 24 6 2 12 6 6 6 0 0			20.9 NM 20.9 20	180 180 270 200 165 200 0 12 36 36 12 12 32 21 20 18 0			20.8 20.8 20.8 20.8 20.8 20.8 20.8 20.8
	Northeast Corner of Basement Top of Sump Crack in Floor Near Southeast Corner Crack in Floor of Workroom (North) Floor Druin (blocked) W Golf Background (S of Bidg) Breathing Zone of Basement Southeast Corner of Basement Southeast Corner of Basement Northeast Corner of Basement Northeast Corner of Basement Northeast Corner of Basement Top of Sump (SW cornsc) Shower Drain Sink Drain Toilet W Golf Road Background (S. of Bidg) Breathing Zone of Basement	16 35 84 55 64 0 22 12 6 7 12 6 6 6 6 6 0 300			20.9 NM 20.9 20	180 180 270 200 165 200 0 12 36 36 12 12 12 32 21 20 18 0 300	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		20 8 20 8 20 8 20 8 20 8 20 8 20 8 20 8
	Northeast Corner of Basement Top of Sump Crack in Floor Near Southeast Corner Crack in Floor of Workroom (North) Floor Drain (blocked) W Colf Beedground (S of Bidg) Breathing Zone of Basement Southeast Corner of Basement Northwest Corner of Basement Northwest Corner of Basement Northwest Corner of Basement Shower Drain Sink Drain Toilet W Colf Road Background (S of Bidg) Breathing Zone of Basement Southeast Corner of Basement Shower Drain Sink Drain Toilet W Colf Road Background (S of Bidg) Breathing Zone of Basement Southwest Corner of Basement	16 35 84 55 64 0 22 12 24 6 6 6 6 6 6 6 7 12 24 6 6 9 300 280	0 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0		20.9 NM 20.9 20.9 20.9 20.9 20.9 20.9 20.9 20.9	180 180 270 200 165 200 0 12 36 36 36 36 36 12 12 32 21 20 18 0 300 300	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		20.8 20.8 20.8 20.8 20.8 20.8 20.8 20.8
	Northeast Corner of Basement Top of Sump Crack in Floor Near Southeast Corner Crack in Floor of Workroom (North) Floor Druin (blocked) W. Golf Background (S. of Bldg) Breathing Zone of Basement Southwest Corner of Basement Northwest Corner of Basement Shower Drain Sink Drain Foilet W. Golf Road Background (S. of Bldg) Breathing Zone of Basement Southwest Corner of Basement Southeast Corner Southeast Southeast Corner of Basement Southeast Corner So	16 35 84 55 64 0 22 12 6 7 12 6 6 6 6 6 0 300			20.9 NM 20.9 20	180 180 270 200 165 200 0 12 36 36 12 12 12 32 21 20 18 0 300	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		20.8 20.8 20.8 20.8 20.8 20.8 20.8 20.8
	Northeast Corner of Basement Top of Sump Crack in Floor Near Southeast Corner Crack in Floor of Workroom (North) Floor Drain (blocked) W Colf Beedground (S of Bidg) Breathing Zone of Basement Southeast Corner of Basement Northwest Corner of Basement Northwest Corner of Basement Northwest Corner of Basement Shower Drain Sink Drain Toilet W Colf Road Background (S of Bidg) Breathing Zone of Basement Southeast Corner of Basement Shower Drain Sink Drain Toilet W Colf Road Background (S of Bidg) Breathing Zone of Basement Southwest Corner of Basement	16 35 84 55 64 0 22 12 24 6 2 12 6 6 0 300 300 300 300 340			20.9 NM 20.9 20.9 20.9 20.9 20.9 20.9 20.9 20.9	180 180 270 200 165 200 0 12 36 36 36 12 12 12 12 12 20 18 0 300 300 300	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		20.8 20.8 20.8 20.8 20.8 20.8 20.8 20.8
	Northeast Corner of Basement Top of Sump Crack in Floor Near Southeast Corner Crack in Floor of Workroom (North) Floor Druin (blocked) W Golf Beckground (S of Bidg) Breathing Zone of Basement Southeast Corner of Basement Northwest Corner of Basement Northwest Corner of Basement Top of Sump (SW corner) Shower Druin Sink Druin Sink Druin Sink Druin Sink Druin Sink Druin Southeast Corner of Basement Southeast Southeast Southeast Corner of Basement Southeast Southeast Corner of Basement Southeast Southeast Southeast Corner of Basement Southeast	16 35 84 55 64 0 22 12 6 6 6 6 6 6 0 300 280 340 410	0 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0		20.9 NM 20.9 20.9 20.9 20.9 20.9 20.9 20.9 20.9	180 180 270 200 165 200 0 12 36 36 36 12 12 12 12 12 12 20 18 0 300 300 300 300 >1000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		20.8 20.8 20.8 20.8 20.8 20.8 20.8 20.8
	Northeast Corner of Basement Top of Sump Crack in Floor Near Southeast Corner Crack in Floor of Workroom (North) Floor Drain (blocked) W Colf Beeckground (S of Bidg) Breathing Zone of Basement Southeast Corner of Basement Northeast Corner of Basement Scotteast Corner of Basement Shower Drain Sink Drain Top of Samp (SW corner) Shower Drain Sink Drain Toilet W Colf Road Beckground (S. of Bidg) Breathing Zone of Basement Southeast Corner of Basement Southeast Corner of Basement Shower Drain Sink Drain Toilet W Colf Road Beckground (S. of Bidg) Breathing Zone of Basement Southeast Corner of Basement Northeast Northeast Corner of Basement Northeast Northeast Corner of Basement Northeast Corner Northeas	16 35 84 55 64 0 22 12 24 6 6 6 6 6 6 9 300 280 340 410 320			20.9 NM 20.9 20.9 20.9 20.9 20.9 20.9 20.9 20.9	180 180 270 200 165 200 0 12 36 36 36 12 12 32 21 20 18 0 300 300 300 300 300	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		20.8 20.8 20.8 20.8 20.8 20.8 20.8 20.8

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

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Table 2 Besement Screening Results 1401 Through 1451 West Golf Road Building Weukegan, Illinow

<u> </u>		Y	July 8, 199				July 12, 194	4	
ю И	CATION	FID (ppm unices noted otherwise)	LEL (Percent)	CGI HYDROGEN SULFIDE (ppm)	OXYGEN (Percent)	FID (ppm unicse noted otherwise)	LEL (Percent)	CGI HYDROGEN SULFIDE (ppm)	OXYGEN
_	1) W Golf		() u • • • • • • • • • • • •						(reiden)
	Background (N of Bidg)	0	0	0	20 8	0	0	0	20 8
	Breathing Zone of Basement	17	0	0	20 8	1	0	0	20 8
	Southwest Corner of Basement Southeast Corner of Basement	0	0	0	20 8	05	0	0	20.9
	Northwest Corner of Basement	17	- <u>v</u>	0	20.8	05	0	0	20.9
	Northeast Corner of Basement	0	0	ō	20.8	0.5	t ő	ő	20 9
	Top of Sump	0	0	0	20.8	05	0	0	20 9
	Sink Drain	1	0	0	20 8	05	0	0	20.9
	Todet Drain (Plugged)	1	0	0	20.8	0.5	0	0	20.9
	Shower Drain (Plugged) Sauna Drain (Rag Stuffed in Drain)	02	ő	0	20 8	10	0	0	21.0
	Crack in floor (NE corner, AS-1)	0	Ö	ŏ	20.8	2.2 -	l õ	ů	20.9
	Crack in floor (north of sump, AS-2)	12	0	0	20 8	12.0	0	Ö	20.9
140	7 W. Golf								
	Background (N. of Bidg)	0	0	0	20 8	0	0	0	20.8
	Breathing Zone of Basement	0.5	Ō	0	20.7	4	0	0	20 8
	Southwest Corner of Besement	2.4	0.	0	20.7	4	0	0	20.9
	Southeast Corner of Basement	42	0	0	20.7	2.5	0	0	20.9
	Northwest Corner of Basement	3	0	0	20.8	3.5	0	0	20.8
	Top of Sump	ő	ő	0	20.7	4.0	Ö	0	20.9
	Crack in Floor Near N. Wall (Center)	0	0	0	20.7	3.5	<u> </u>	ŏ	20.9
	Crack in Floor at S. Wall	04	0	0	20.7	30	0	0	20.9
	Floor Drain	NM	NM	NM	NM	NM	NM	NM	ŇM
141	5 & 1419 W. Golf								
L	aundry Room					-			
	Background (N. of Bidg)	0	0	0	20.8	0	0	0	20.8
	Breathing Zone of Basement Southwest Corner of Basement	28	0	0	20.7	0.5	0	0	20.8
	Southeast Corner of Basement	36	ő	ŏ	20.7	0.5	ŏ	0	20.8
	Northwest Corner of Basement	28	0	0	20.7	05	0	o	20.8
	Northeast Corner of Basement	28	9	0	20.7	0.5	0	0	20.8
	Sump (No pump installed)	52	0	0	20.7	55	0	0	20.8
S	gn Making Room Breathing Zone of Basement	28	0	0	20.7	1	0	0	20.8
_	Southwest Corner of Basement	28	ŏ	ŏ	20.7	1	ŏ	ō	20.8
	Southeast Corner of Basement	28	0	0	20.7	1	Ö	0	20.8
	Northwest Corner of Basement	26	0	0	20.7		0	0	20.8
	Northeast Corner of Basement	28	0	0	20.7		0	0	20.9
	Crack in Floor (Center) Floor Drain (Blocked)	41	0	0	20.7	2.5	0	0	20.9
	PROF Dram (Brockey)		v	<u> </u>	20.7 1	200			209
142	5 W. Golf								
	Background (N. of Bidg)	0	0	0	20.6	0	0	0	20.8
	Breathing Zone of Besement	56	0	0	20.7	15	0	0	20.8
	Southwest Corner of Basement Southeast Corner of Basement	55 78	0	0	20.7	<u>12</u> 32	0	0	20.8
	Northwest Corner of Basement	49	0	0	20.7		o l		20.7
	Northeast Corner of Basement	X	0	0 0	20.7	14	ő	ŏ	20.7
_	Top of Sump	480	2	0	20.7	140	ō	0	20 7
	Cruck in Floor Near Southeast Corner	105	1	0	20 7	155		0	20 7
	Crack in Floor of Worksoom (North)	90	1	0	20.7	62	1	0	20 7
	Floor Dram (blocked)	105	1	0	20 7	150	<u> </u>	0 [20.7
143	W. Golf				<u> 10 / 1</u>		, , , , , , , , , , , , , , , , , , ,		10 -
	Beckground (S. of Bidg)	0	0	0	20.6	<u>0</u> 5	0	0	20.8
	Breathing Zone of Basement Southwest Corner of Basement	8	0	0	207			0	20.8
	Southeast Corner of Basement	8	0		207	5	0	0	20.8
_	Northwest Corner of Besement	6	0	2	20 7	2	Ő	- ō 1	20.8
_	Northeast Corner of Basement	6	Ċ,		20 7	2	0	0	20.8
_	Top of Sump (SW corner)	8	0		20 7	7	0	0	20.8
	Shower Drain Sink Drain	6	0		207	14	0	0	20.8
	Sink Untern Toxlet	3	0	0	20 7	13	0		20.8
1.00	1 W. Golf Road	· · · · · · · · · · · · · · · · · · ·		· · ·	•• /		· · · · ·		
143	Beckground (S. of Bidg)	0	0	0	20 7	0	0 1	0 1	20 8
	Breathing Zone of Basement	370	3	0	20 5	240	2		20.7
	Southwest Corner of Beamment	380	2	0	20.6	160	2	ŏ	20.7
_	Southeast Corner of Basement	400	3	0	20 6	280	2	0	20 7
	Northwest Corner of Besement	460	3	0	20.6	340	2		20.7
	Northcast Corner of Basement	400	3	0	20.5	290	2	<u> </u>	20.7
_	Top of Sump (south well)	>1000 >1000	- 13	0	205	>1000 800	2		20.7
	Crack in Floor (Center of Basement) Crack in Floor (West End)	>1000 320	40	0	201	>1000	- 6	0	20.7

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

(36077410.WB1/srh)

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

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		w suscepto,					
		July 15, 194				July 21, 19	
	FID		CGI HYDROGEN		FID		CGI HYDROGEN
	(ppm unicas	LEL	SULFIDE	OXYGEN	(ppm unless	LEL	SULFIDE
LOCATION	noted otherwise)	(Percent)	(ppm)	(Percent)	noted otherwise)	(Percent)	(ppm)
401 W Golf							
Background (N. of Bidg)	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	08	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	ŇM	<u>NM</u>	NM
Top of Sump	0.4	0	0	20.6	NM NM	NM NM	NM NM
Sunk Dram Toilet Dram (Plugged)	0.6	0	0	20.6	NM	NM	NM NM
Shower Drain (Plugged)	0.4	ō	0	20.6	NM	NM	NM NM
Sauna Dram (Rag Stuffed in Dram)	0.4	0	0	20.6	NM	NM	NM
Cruck in floor (NE corner, AS-1)	03	0	0	20.6	NM	NM	NM
Crack in floor (north of sump, AS-2)	0.6	0	0	20.6	NM	NM	NM
407 W. Golf							
Background (N. of Bldg)	0	0	0	20.6	NM	NM	NM
Breathing Zone of Basement	12	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	12	0	0	20.6	NM	NM	NM
Northeast Corner of Basement	12	0	0	20.6	NM	NM	NM
Top of Sump	13	0	0	20.6	NM	NM	NM
Crack in Floor Near N. Wall (Center) Crack in Floor at S. Wall		0	0	20.6	NM NM	NM NM	NM NM
Floor Drawn		NM	NM	NM	NM	NM	NM
				<u> </u>			
415 & 1419 W. Golf	+ ·		r				
Laundry Room	0	0	0	20.5	NM	NM	NM
Background (N of Bldg) Breathing Zone of Basement		ŏ	0	20.5	NM	NM	NM
Southwest Corner of Basement		- ŏ-	0	20.5	NM	NM	NM
Southeast Corner of Basement		- ŏ -	ō	20.5	NM	NM	NM
Northwest Corner of Basement		ō	0	20.5	NM	NM	NM
Northeast Corner of Basement	11	0	0	20.5	NM	NM	NM
Sump (No pump installed)	18	0	0	20.5	NM	NM	NM
Sign Making Room							
Breathing Zone of Basement	23	0	0	20.5	NM	NM	NM
Southwest Corner of Basement	26	0	0	20.5	NM	NM	NM
Southeast Corner of Basement	32	0	0	20.5	NM	NM	NM
Northwest Corner of Basement	22	0	0	20.5	NM NM	NM NM	NM NM
Northeast Corner of Basement Crack in Floor (Center)	21		0	20.5	NM NM	NM	NM
Floor Drain (Blocked)	200	0	<u> </u>	20.5	NM	NM	NM
425 W. Golf							
Beckground (N. of Bidg)	0	0	0	20.6	NM	NM	NM
Breathing Zone of Basement	19	0	Ò	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	<u> </u>	NM NM	NM
Northeast Corner of Basement	21	0	0	20.6		NM NM	NM NM
Top of Sump Crack in Floor Near Southeast Corner	45	0	0	20.6	NM NM	NM NM	NM NM
Crack in Floor of Workroom (North)	45	ő	0	20.6	NM	NM	NM
Floor Drug (blocked)	>1000	35	0	20.6	NM	NM	NM
431 W Golf	· · · · · · · · · · · · · · · · · · ·						
Background (S. of Bidg)	0	0	0	20.6	NM	NM	NM
Breathing Zone of Basement	38	0 0	0	20.6	NM	NM	NM
Southwest Corner of Basement	16	0	0	20.6	NM	NM	NM
Southeast Corner of Basement	20	0	õ	20.6	NM	NM	NM
Northwest Corner of Basement	44	0	0	20.6	NM	NM	NM
Northeast Corner of Basement	44	0	0	20.6	NM	NM	NM
Top of Sump (SW corner)	27	0	0	20.6	NM	NM	NM
Shower Dram	9	0	0	20.6	NM	NM	NM
Sank Drean	73	0	0	20.6	NM NM	NM NM	NM NM
Toulet	12			20.6	I MM	<u> </u>	TN M
451 W. Golf Road	·····						<u> </u>
Beckground (S. of Bidg)	0	0	0	20.5	0	0	0
Breathing Zone of Besethent	210		0	20.5	305		0
Southwest Corner of Besement Southeast Corner of Besement	160	<u> </u>	0	20.5	250	2	0
Northwest Corner of Besement	210		0	20.5	390	2	0
Northeast Corner of Basement	260		0	20.5	305	2	0
Top of Sump (south wall)	>1000	3-4	0	20.5	>1000	3	ő
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

Notes

es: NM= Not Measured * = Not Measured because monstoring 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.

(36077410.WB1/srh)

Golder Associates Inc.

1809 North Mill Street, Suite C Naperville, IL USA 60563 Telephone (708) 357-2066 Fax (708) 357-2330



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

Distribution:

- 1 Copy Richard Boice, P.E., United States Environmental Protection Agency
- 1 Copy Greg Ratliff, Illinois Environmental Protection Agency
- 1 Copy Om Patel, Roy F. Weston
- 1 Copy Marian Barnes, The Jeff Diver Group
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- 1 Copy Derrick Vallance, Browning-Ferris Industries of Illinois, Inc.
- 1 Copy Dale Vitale, Outboard Marine Corporation
- 2 Copies Golder Associates Inc.

July 1994

933-8136.07

TO: U.S.EPA/IEPA

FROM: Golder Associates Inc.

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

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.

Golder Associates

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 though 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

Date Monitoring Location	%LEL	February 28, CGI(1) % Oxygen	1994 FID(2) (ppm)		March 17, 199 CGI % Oxygen	94 FID (ppm)	(April 15, 1994 CGI % Oxygen	FID (ppm)		May 19, 1994 CGI % Oxygen	FID (ppm)		lune 23, 1994 CGI % Oxygen	FID (ppm)
2122 Yeoman Street	NM(5)	NM(5)													
(Evoy Property)			00	00	20 8	001030	0.0	20.8	0.0	00	20.8	45	00	20.8	
Background			00	00	208 208	1.0	00	20.8	22.0	0.0	208	43	00	20.8	00
Sump (SW corner) Floor Drain SW corner)			00	00	208	10	00	20.8	05	0.0	20 8	45	00	20.8	00
Entrance to crawl space			00	00	208	1.5	00	20.8	05	00	207	64	00	20 9	10
Floor/wall joints			00	00	200	1.5	00	20.0	05	00	207		00	203	10
North wall			00	00	20 8	1.5 to 2 0	00	20.8	05	0.0	20 7	45	00	20.9	00
South wall			00	00	208	10 to 20	00	20 8	05	00	20 6	47		20 9	00
East wall			00	00	20.8	1.5 to 2 0	00	20.8	05	00	207	45	00	20 9	00
West wall			00	00	20 8	1.0 to 2.0	0.0	20.8	05	00	20 7	45	00	20 9	00
					100	1.0 10 2.0	0.0	100	00		20,			100	
1615 Sunset Avenue	NM(3)	NM(3)	NM(3)												
(Terrace Nursing Home)															
Background Laundry Room				00	20 8	001010	00	20 8	00	00	20 8	00	00	20 8	00
Ambient Air				00	210	12 0	00	20 9	28	00	20 7	35	00	210	00
Crack in floor (E-W @ E)				00	21 0	90.0	00	20 8	36	00	20 7	35	00	210	20
Crack in floor (N-S @ S)				00	210	40.0	00	20.8	40	00	20.7	35	00	210	00
Floor drain (East)				00	20 8	10 0	00	20 8	28	00	20 7	56	00	21.0	00
Floor drain (West)				00	20 8	10 0	00	20 7	20	00	20.7	29	00	210	00
Linen Room															
Ambient Air				00	20 8	10 0	00	20 8	40	00	20 7	18	00	210	00
Cracks in concrete Mid room, N-S Ø S	i			00	20.8	10 0	0.0	20.8	58	00	20 7		00	21.0	0.0
East end, N-S Ø center				00	20.8	100	00	20.8	5.2	0.0	207	14	00	210	00
East wall, @ breathing zone				00	20.8	12 0	00	20.8	10		207	18		210	00
Medical records room(Ambient Air)				00	20.8	00	00	20.8	52		20.8	22	00	210	00
Lunch Room(Ambient Air)				00	20.8	05	00	20.8	30	NM(6)	NM(6)	NM(6)	NM(6)	NM(6)	NM(6)
Maintenance room(Ambient Air)				00	20 8	0.0	0.0	20.9	58	00	20.7	14	10	20.8	0.0
Boiler room:												••			
Ambient Air				00	20.8	00	00	20 9	34	00	20 8	06	00	20.8	00
Floor drain				00	20.8	00	0.0	20.9	34	00	20 8	04	10	20 8	00
Hair Salon(Ambient Air)				00	21 0	140	00	20 9	48	00	20 8	90	00	20 9	00
North office(Ambient Air)				00	20 8	00	00	20 9	29	0.0	20 8	15	10	20 9	00
Activities room.	1														
Ambient Air				00	20.8	00	0.0	20 9	24	00	20.8	42	10	20 9	00
Floor drain				00	20.8	00	0.0	20 8	55.0	00	208	24	10	20 9	00
Physiotherapy(Ambient Air) Lounge(Ambient Air)					20 8 20 8	00 05	00	20 9	26	0.0	20 8	2.0	00	20 9	00
South office(Ambient Air)				NM	20.8 NM	NM	00	20.9 20.9	18 32	00	20 9	1.5	0.0	20 9	00
South caged storage area (Ambient Air)				00	20.8	0.0	00	20 9	20		20 8 20 9	18	10 00	20 9 20 9	00
Activities office(Ambient Air)				00	20.8	00	00	20 9	1.2	00	20.9	42	10	209	00
Vending room(Ambient Air)				0.0	20 9	00	00	209	32		208	18	10	209	00
NW lunch room(Ambient Air)				00	21.0	00	00	20 9	32	0.0	209	20	00	20 9	00
North caged storage area(Ambient Air)				00	20 8	0.0	0.0	20 9	2.0	00	20 9	16	10	20.9	ŏŏ
Duct room(Ambient Air)				00	20.8	10	00	20.9	32	00	20.9	20	00	20 9	00
Open storage(Ambient Air)				00	20.8	00	00	20 9	2.0	00	20 9	20	10	20 9	00
Sump room:										1	-	-	-		
Sump				00	20.8	0 0 to 2 0	00	20.9	120.0	00	208	7.0	0.0	20 9	420 0
Ambient Air				00	20.8	0.0 to 1.0	00	20 9	3.4	00	208	18	00	20 9	00

1

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 dy he February 28, 1994 inspection could

not be obtained a malfunctioning equipment.

6 Key to room way ... available on-site and therefore the room was not accessible

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

<u> </u>		1	June 23, 1	994		<u> </u>	June 28, 19	94	
				CGI				CGI	
		FID		HYDROGEN		FID		HYDROGEN	010/201
Lo	CATION	(ppm unless noted otherwise)	LEL (Percent)	SULFIDE (ppm)	OXYGEN (Percent)	(ppm unless noted otherwise)	(Percent)	SULFIDE (ppm)	OXYGEN (Percent)
_		noted outerwise)	Treicent	(ppni)	reitenti		(Percent)	(ppn)	rendenti
ᄤ	I W Golf Background (N of Bidg)	0	••	0	1 20 8	0	0	0 -	20 8
	Breathing Zone of Basement	0	••	0	21	42	1	0	201
	Southwest Corner of Basement	0	••	0	21	50	1	0	20.7
	Southeast Corner of Basement	0	••	0	21	68	1	0	20 8
<u> </u>	Northwest Comer of Basement	0		0	21	<u>58</u> 70	0	0	20.8
	Northeast Corner of Basement Top of Sump	0		0	21		. 1	0	20.7
\vdash	Sink Drun	0	••	0	21	42		0	20 8
	Toilet Drain (Plugged)	0	••	<u> </u>	21	40	i	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 Boor (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
1401	W Golf				T				
—	Background (N. of Bldg)					0	0 0	0	20.8
	Breathing Zone of Basement Southwest Comer of Basement					6 7	0	0	20 8 20 8
	Southwest Corner of Basement		••		••	9	0	0	20.8
\vdash	Northwest Corner of Basement		••	••	•••	10	0	0	20.8
	Northeast Comer of Basement	••	**	••	••	7	0	0	20.8
	Top of Sump		••	••		26	0	0	20.7
Ē	Crack in Floor Near N. Wall (Center)	••	••		••	12	0	0	20.9
\vdash	Crack in Floor at S. Wall					21	0	0	20.9
-	Floor Drain	<u>↓ · · · · · · · · · · · · · · · · · · ·</u>		L	1	<u> </u>	L		L
	5 & 1419 W Golf				T ··· · · · ·	ļ			
⊢≝	Background (N of Bidg)	· 6		0	20.8	0	0	0	21
<u> </u>	Breathing Zone of Basement	0		0	20.8	4	0	0	20.9
	Southwest Corner of Basement	ő	••	0	20.8	4	- i	0	20.9
	Southeast Comer of Basement	0	••	0	20.8	4	i	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
Ļ	Sump (No pump installed)	0	••	0	20.8	4	1	0	20.9
<u>Su</u>	en Making Room Breathing Zone of Basement					16	0	0	21
-	Southwest Corner of Basement	••	••	**	••	16	1		21
	Southeast Corner of Basement		••	••		18	1	ŏ	21
	Northwest Corner of Basement	••	**	••	••	16	1	0	211
	Northeast Corner of Basement	••	••	••	••	18	1	0	21
	Crack in Floor (Center)	••	••			70		0	21
┝──┤	Floor Drun (Blocked)	••			· · ·	150		0	21
142	SW Golf								
	Background (N of Bldg)	0	••	0	20 8	0	0	0	20.8
	Breathing Zone of Basement Southwest Corner of Basement	4		0	20 8 20 8	32	<u> </u>	0	20.7
	Southeast Corner of Basement	0	••	0	20 8	<u> </u>		0	20.7
	Northwest Corner of Basement	7	••	0	20 8	30		0	20.7
	Northeast Comer of Basement	5		0	20.8	34	i	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		0	20.7
	Crack in Floor of Workroom (North)	36	••	0	20.8	160		0	20.7
\vdash	Floor Drum (blocked)	•	•	•	•	170	I I	0	20.7
143	W Golf								
	Background (S. of Bldg)		••	••	••	0	0	0	20 8
	Breathing Zone of Basement Southwest Comer of Basement					<u>0</u> 5	1	0	20.8 20.8
\vdash	Southwest Corner of Basement	••			••	6		0	20.8
	Northwest Corner of Basement			••	••		0	0	20.8
	Northeast Corner of Basement	••	••	••	**		0	0	20.8
	Top of Sump (SW corner)	**		••	••	6		0	20.8
	Shower Drain		•••		••	4	0	0	20.8
	Sink Drun	••			••	7	0	0	20.8 20.8
<u> </u>	Tollet		1		L	5	<u> </u>	v	£U.8
145	W. Golf Road		•• •			,			30.0
	Background (S. of Bidg) Breathers Zone of Becoment	••				320	0	0	20.8
⊢	Breathing Zone of Basement Southwest Corner of Basement					320	4	0	20.6
	Southeast Corner of Basement	••	••	••	••	320	3	0	20.8
	Northwest Corner of Basement	••	••	••	••	450		- 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

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

		T	June 29, 19	94		· · · · · · · · · · · · · · · · · · ·	June 30, 19	94	
			L	CGI	-		Ĺ	ĊĠI	
		FID		HYDROGEN		FID		HYDROGEN	
		(ppm uniess	LEL	SULFIDE	OXYGEN	(ppm unices	LEL	SULFIDE	OXYGEN
LQ		noted otherwise)	(Percent)	(ppm)	(Percent)	noted otherwise)	(Percent)	(ppm)	(Percent)
40	1 W Golf								
	Background (N of Bidg)		**	**	••	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	ŏ	0	20 B 20 B
	Sink Drain Toilet Drain (Plugged)	· · · · · · · · · · · · · · · · · · ·					0	0	20.8
	Shower Drain (Plugged)	••				0	- ö -	- 0	20.8
_	Sauna Drain (Rag Stuffed in Drain)					- ŏ	t ö	0	21
	Crack in floor (NE corner, AS-1)	1				0	t õ	t õ	21
-	Crack in floor (north of sump, AS-2)	•••	••	••	••	0	t õ	ŏ	21
		1	•	·			•	••	· · · · · · · · · · · · · · · · · · ·
40	7 W Golf	0		0	20.0	0			
_	Background (N. of Bldg)		0	0	20.8	<u> </u>	0	0	20.8
	Breathing Zone of Basement	0.5	0	0	20.9	0	0	0	20 8
	Southwest Corner of Basement	0.5	0	0	20.9	0	0	0	20 8
	Southeast Corner of Basement Northwest Corner of Basement	0.5	0	0	209	0	- 0	0	20.8
_		0.3	0	0	209	0	0		20.8
-	Northeast Corner of Basement Top of Sump	2	0		20.9	0	0		20.8
	Crack in Floor Near N. Wall (Center)	05	0	0	20.9		0	0	20.8
	Crack in Floor Neil N. Wall (Center)		0		20.9		0	0	20.8
_	Floor Drain	t · · · · ·		├── र्		NM	NM	NM	NM
		t	·						
	5 & 1419 W Golf	ł	r					· · · ·	
Ц	undry Room	↓ ,		L		<u>, </u>	<u> </u>	ļ	
	Beckground (N. of Bidg)	1	0	0	20 8	1	0	0	20.8
	Breathing Zone of Basement	0.5	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 Northwest Corner of Basement	0.5	0	0	20.8	2.5	0	0	20.8
-	Northeast Corner of Basement	0.5	ŏ	0	208	2.5	ŏ		20.8
	Sump (No pump installed)	0.5	ŏ	<u> </u>	20 8	3.5	Ö	0	20.8
Si	n Making Room	†							\$7.0
	Breathing Zone of Basement	6	0	0	20.8	4	0	0	20.8
-	Southwest Corner of Basement	6	0	0	20.8	52	0		20.8
	Southeast Corner of Basement	5.6	Ö	0	20.8	42	0	0	20.8
-	Northwest Corner of Basement	5.6	0	0	20.8	47	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 Dram (Blocked)	30	0	0	20.8	35	0	0	20.8
n	5 W Golf								
	Background (N of Bldg)	0	0	0	20.8	0	0	0	20.8
	Breathing Zone of Basement	56	0	0	20.9	7	ō	0	20.9
	Southwest Corner of Basement	3	0	0	20.8	7	Ö	0	20.9
	Southeast Corner of Basement	78	0	0	20.9	7	0	- Ó	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	O .	0	20 8
43	I W Golf								
	Background (S. of Bidg)	0	0	0	20.8	0	0	0	20.8
-	Breathing Zone of Basement	1 Ť	ő	0	20 8		ŏ	0	20 8
	Southwest Corner of Basement	0.1	ő	ő	20.8	<u> </u>	ő	- 0	20.8
	Southeast Corner of Basement	0.6	ő	<u> </u>	20.8		ō	ō	20.8
	Northwest Corner of Basement	0.6	0	0	20 8		0	0	20.8
	Northeast Corner of Basement	0.8	0	0	20.8		0	0	20.8
	Top of Sump (SW corner)	1.2	0	0	20.8	2	0	0	20.8
_	Shower Dman	12	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
44	I W. Golf Road								
-3	Background (S. of Bidg)	0	0	0	20.8	0	0	0	20.8
	Breathing Zone of Basement	360	2	0	20.7	300	2		20.8
	Southwest Corner of Beament	320	3	ŏ	20.7	300		- o	20.8
	Southeast Corner of Basement	360	3		20.7	380	2	0	20 7
	Northwest Corner of Basement	480	3		20.7	410	2	ŏ	20 8
	Northeast Corner of Basement	350	2	<u> </u>	20.7	300	2		20.7
	Top of Sump (south wall)	>1000	14		20.6	>1000	i t	0	20 8
-	I to be at preside (source seen)						42		20.5
		>1000	28 1	0 1	206 1	>[000 1			
	Crack in Floor (Center of Basement) Crack in Floor (West End)	>1000 >1000	<u>28</u> 12	0	20.6	>1000 >1000	12		20.5

Notes:

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