Weaver
Boos &
Gordon, Inc.

US EPA RECORDS CENTER REGION 5
473951

ALBUQUERQUE, NM
CHICAGO, IL
GRIFFITH, IN

415 TAFT AVENUE • GLEN ELLYN, ILLINOIS 60137 • 630/858-2490 FAX 630/858-2762

July 18, 2000
Project No. 0135-01-11

Ms. Joyce Munie, P.E.
Manager, Permit Section
Illinois Environmental Protection Agency
Division of Land Pollution Control -- #24
1021 North Grand Avenue East
Post Office Box 19276
Springfield, IL 62794-9276

Re: Pagel Landfill/Winnebago Reclamation Services
1999 Annual Report
IEPA Site # 201080001 – Winnebago County

Dear Ms. Munie:

Pursuant to Permit No. 1991-138-LFM for the Pagel Landfill, we are providing the IEPA four (4) copies of the 1998 Annual Report as described in Section III of the Permit. This Annual Report has been divided into three sections as described below:

1. **Waste Volume Summary** – As reported in the Solid Waste Capacity Certification Report for Pagel Landfill, approximately 903,330 cubic yards of waste were received in 1999 as measured at the gate. The remaining solid waste capacity was approximately 8,255,574 cubic yards as measured at the gate as of January 1, 2000. A copy of this report is provided in Appendix A.

   Appendix B includes the Special Waste Manifest Report for 1999. This report includes the Generators' I.D. and Waste Codes. In addition, the information also includes total quantity of special waste that was disposed associated with each generator.

   In accordance with Permit Condition II.8, the load checking reports have been summarized. The summary is included in Appendix C.

2. **Monitoring Results**

   - **Leachate Monitoring** - As required by the permit, the leachate monitoring results are included in Appendix D.

   - **Gas Monitoring** - The gas monitoring results are included in Appendix E.

   - **Groundwater Monitoring Review** – Groundwater monitoring compound trends for 1999 are examined and discussed in a separate report. The groundwater monitoring reviews were prepared by HIS Geotrans under the direction of Daniel Burnell, P.G., a registered professional geologist in the State of Illinois. Copies of the report are included with this submittal.

3. **Proposed Activities** – The amount of waste which is expected to be received during the calendar year of 2000 is approximately the same as for the year 1999. There is currently no construction planned for the year 2000.

If you have any questions or comments regarding the enclosed information or if you need additional information, please call Tom Hilbert at (815) 874-4806.

Very Truly Yours,
Weaver Boos & Gordon, Inc.

Larry Emerson, P.E.
Senior Project Manager

cc: Mr. Tom Hilbert – Rochelle Waste Disposal, LLP

OPERATOR'S CERTIFICATION

As a duly authorized agent of Pagel's Pit/Winnebago Reclamation Services, I hereby certify that this annual report is being filed in accordance with 35 IAC 813.501(c)(5) and 815.102.

Tom Hilbert
Engineering Manager

7-17-00
Date

APPENDIX A
Solid Waste Landfill Capacity Certification

SOLID WASTE LANDFILL CAPACITY CERTIFICATION

January 1, 2000

For Office Use Only
Initials
Date

I. Site Information *(Please type or print legibly)*

a. Site Identification

Name: Winnebago Reclamation Service Inc

FEIN #: 36-2917437 Site # (IEPA): 2018080001

Physical Site Location (Street, Road, etc.): 8403 Lindenwood Road

City, Zip Code: Rockford, Il 61109 County: Winnebago

b. Owner/Operator Identification

Owner Name: Winnebago Reclamation Service Inc

Address: 8403 Lindenwood Road

Rockford, Il 61109

Contact Name: John Lichty

should be familiar with Illinois EPA reporting requirements

Phone #: 815-874-4806

Operator Name: Winnebago Reclamation Services Inc

Address: 8403 Lindenwood Road

Rockford, Il 61109

Contact Name: John Lichty

should be familiar with Illinois EPA reporting requirements

Phone #: 815-874-4806

c. Type of Ownership/Operation *(Circle Two)*

Municipally owned — Privately owned

Municipally operated — Privately operated

d. Type of Waste Received *(mark all that apply)*

X General Municipal Refuse

____ Hazardous

X Special (Non-hazardous)

____ Chemical Only (excluding putrescible)

____ Inert Only (excluding chemical and putrescible)

____ Other (describe): _____

The Illinois Environmental Protection Agency is authorized to request this information pursuant to 35 Ill. Adm. Code 858.207(c) implementing and authorized by Section 22.15(f) of the Environmental Protection Act [415 ILCS 5/22.15(f)(1994)]

II. Permit Information

a. Developmental/Construction Permit:

Permit Number: 1991-138 LF Date: 1993

b. Other Permit(s):

1. Number: 1991-138 LF Date: 1993

2. Number: _____ Date: _____

c. Overall increase (or decrease) of air space in cubic yards allowed by the above permit(s):

1. 3,136,730 2. _____

d. The total remaining volume of the landfill (air space) in the developmental/construction and other permits assigned to this site as of January 1, 2000 (in cubic yards):

3,087,431 (1)

III. Remaining Volume Available for Waste Disposal

a. Method and date used for determining the remaining volume (check one and provide date):

survey: X date: 1-1-99 ; aerial photo: _____ date: _____

other (describe and date): _____

b. Remaining permitted volume needed for daily and intermediate cover:

0 cubic yards (2)

c. Remaining permitted volume needed for final cover:

335,573 cubic yards (3)

d. Remaining volume available for waste disposal as of January 1, 2000:

3,087,431 cubic yards (1) (see II.d above)

\- 0 cubic yards (2) (see III.b above)

\- 335,573 cubic yards (3) (see III.c above)

= 2,751,858 cubic yards (4)

IV. Available Capacity in Terms of "As Received" Waste

a. Average density of waste as received:

773 number of pounds per cubic "gate yard"

b. Average compaction ratio of waste as it is placed into the fill area (How many gate yards can you fit into an in-place yard?):

3 cubic yards (5)

c. Volume of waste as received that can be disposed in the remaining permitted capacity:

2,751,858 cubic yards (4) (see III.d. above)

X 3 cubic yards (5) (see IV.b. above)

= 8,255,574 **cubic yards (6)**

V. Life Expectancy of the Solid Waste Landfill

a. Determine how much solid waste was received at the landfill, in "gate yards", during the previous 12 months, January 1, 1999 - December 31, 1999:

903,330 cubic yards (7)

b. Determine the number of yeas of life remaining at the current disposal rate:

8,255,574 cubic yards (6) (see IV.c. above)

÷ 903,330 cubic yards (7) (see V.a. above)

= 9 years (8)

c. Expected closure date for facility: December 31, 2008 *2014

d. Please describe any adjustments or changes to these numbers.

Note: List any pending permit applications that will increase (or decrease) the landfill capacity and associated air space increase (or decrease) in cubic yards.

* Have siting approval for 1,798,840 in-place yards or an additional 6 years.

VI. Alternate Method of Determining Available Capacity

a. If an alternate method has been used, please describe: Density was calculated by a topography for the period from 11-2-98 to 11-1-99. The volume is then estimated for November and December using the previous 12 months compaction ratio. The ratio for 1999 was 1.16 tons per cubic yard

VII. Signatures

All Solid Waste Landfill Capacity Certifications shall be signed by the person designated below or by a duly authorized representative of the person:

Corporation - By a principal executive officer of at least the level of vice-president.
Partnership or Sole Proprietorship - By a general partner or the proprietor, respectively.
Government - By either a principal executive officer or a ranking elected official.

A person is a duly authorized representative only if:

1. the authorization is made in writing by a person described above; and
2. is submitted with this certification form (a copy of a previously submitted authorization can be used).

I certify that this document and all attachments were prepared under my direction or supervision. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties under Section 44 of the Environmental Protection Act for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Owner Name: _____

Owner Signature: _____ _____ date

Title: _____

Operator Name: _____

Operator Signature: _____ _____ date

Title: _____

Engineer Signature: _____

Engineer Name: DANIEL L. ZINNEN 2/15/00 date

Engineer Address: WEAVER BOOS & GORDON
415 TAFT AVE, GLEN ELLYN, IL 60137

Engineer Phone Number: 630-858-2490

Engineer Seal:

DANIEL L. ZINNEN
062-046208
REGISTERED
PROFESSIONAL
ENGINEER
STATE OF ILLINOIS

jah\FORMS\LFCAPCER.WPD

APPENDIX B
Special Waste Manifest Report

WRS
ROCKFORD, IL
Special Waste Manifest
1999

GENERATOR	ADDRESS	IEPA ID #	WASTE CODE	QUANTITY	AUTHORIZATION	EXPIRES	Waste Hauler
AAA Gaston	1136 20 Ave, Rkfd	2010305999	Bag House Dust		070314		RRD
Absolute Grinding Mfg	NON - SPECIAL WASTE						
Amber Plating	3100 N Tripp, Chicago	0316160001	Buffing Compound		951751	6-19-00	LaidLaw #1215
Actown Electrocoil	2414 Highview,Spring Grv.	1110805003	Ash & Varnish		951653	05-31-00	LaidLaw #1215
All Rental Garment Co.	**5611 11th Street Rockford**	**9011450032**	**Sludge**	**20 yds**	**951751**	**3-2003**	**Laidlaw**
Amber Plating Works	**3100 N Tripp Ave**	**0316160001**	**Buffing Compound**	**15 yds**	**951751**		
Anderson Heat Treating	**1241 18th Ave, Rkfd**	**2010305492**	**Heat Treat Scale**	**1 yard**	**942724**	**03-01-00**	**LaidLaw #1215**
Aquamatic	2412 Grant Ave, Rkfd	2010305522	Plastic Cuttings		951873	12-01-00	LaidLaw #1215
Aratex	**215 18th Ave, Rkfd**	**2010305039**	**Waste Water Sludge**	**480 Yds**	**911572**	**July 2001**	**LaidLaw #1215**
Blackhawk Laser	720 S Wyman St, Rkfd	2010305849	Grinding Swarf		924798	02-10-98	LaidLaw #1215
Brunson Inc.	2136 12th St., Rkfd	2010305985	Sand Blast Media		1991-138-LF	8-2001	Laidlaw #1215
CCSI International Inc.	8642 Rt.20, Garden Pairire	007895009	Sand Blast Media		70477	03-1-00	LaidLaw #1215
Century Tool & Mfg Co	**1462 Rt. 20 Cherry Valley**	**0078990002**	**Paint Ash**	**130 Yds**	**951749**	**12-31-99**	**LaidLaw #1215**
Chem Processing	*3910 Linden Oaks Dr, Rkf*	*2010305952*	*Screenings*		*1991-138-LF*	*11-01-02*	
Chrysler Corp	3000 Chrysler Dr, Belvidere	0078040001	Filter Cake		942594	12-05-99	BFI #0715
Circle Boring & Machine	3161 Forest View Rd, Rkfd	2010305597	Grinding Swarf		951220	12-31-99	LaidLaw #1215
Crown Machine	**2707 N. Main,Rkfd**	**2010305405**	**Grinding Sludge**	**2 yards**	**931838**	**1-2004**	**LaidLaw #1215**
Dixon Automatic Tool	2300 23rd Ave, Rkfd	2010305501	Wood Block Flooring		70657		RBT #0320

Eklund Metal Treating	**721 Beacon St, Rkfd**	**2010305691**	**Sludge & Floor Sweep**	**12 yards**	**941496**	**2-2004**	**LaidLaw #1215**
Enviroclean-LPS	1810 15th Ave, Rkfd	2010305975	Ash		942671	12-31-99	LaidLaw #1215
Envirovac Inc.	1260 Turrett Dr, Rkfd	2010305498	Paint Filters		951906	11-08-00	BFI #0715
Fenner Fluid Power	5885 11th st. Rkfd	2010300072	Paint Filters		960315	08-13-01	Laidlaw #1215
Fitzgerald Equipment Co.	*4650 Boeing Dr,Rkf*	*2010305229*	*Sludge*				*Laidlaw #1215*
Fox Valley Pallet	PO Box 84 Garden Prairie	007895004	Ash		924683	*	Marengo #1559
G.T. Grinding	2136 12th Street, Rkfd	2010306054	Grinding Swarf		951964	01-19-00	RBT #0320
G & K Services	**1018 W State, Rkfd**	**2010305040**	**Pit Sludge**	**860 Yds**	**923576**	**8/1/02**	**LaidLaw #1215**
H.T. Gaston Corp.	1136 20th, Rkfd	2010305655	Waste Powder Coat		951955	01-16-01	RRD
H.T. Gaston Corp.	1136 20th, Rkfd	2010305655	Phosphate Sludge		960284	05-14-01	RRD
Ingersoll Milling	**707 Fulton Ave., Rkfd**	**2010305093**	**Grinding Sludge**	**96 yds**	**901314**	**01-12-01**	**LaidLaw #1215**
Ingersoll Milling	**707 Fulton Ave., Rkfd**	**2010305093**	**Wood Block Flooring**	**20 Yds**	**960060**	**01-12-01**	**LaidLaw #1215**
IPC	**4430 Boeing, Rkfd**	**2010300029**	**Filter Cake**	**185 Yds**	**950365**	**03-01-00**	**BFI #0715**
Iowa Coatings, Inc	502 Maplewood Ave, IA	9190019999	Filter Press Cake			12-15-02	RRD #3773
Keystone Consolidated	840 39th Ave, Rkfd	2010300046	Wood Block Flooring	40 Yds	70657		LaidLaw #1215
LPS LTD	1810 15th Ave, Rkfd	2010305975	Molton Salt Bath		951712	06-02-00	LaidLaw #1215
Lorine MFG	4750 Hydraulic Rd, Rkfd	2010301117	Treated Phospahte Sludge		941765	05-05-99	LaidLaw #1215
MGF Industries	**840 39th Ave Rkfd,Il**	**2010305222**	**Iron Filter Cake Sludge**	**1220 Yds**		**6-0-01**	**Laidlaw #1215**
MGF Industries	**840 39th Ave Rkfd,Il**	**2010305222**	**Zinc Phosphate Sludge**	**220 Yds**		**6-0-01**	**Laidlaw #1215**
Marengo Foundry Sand	**123 W. Railroad, Marengo**	**1110655006**	**Foundry Sand**	**2,352 Yds**	**901316**	**02-28-01**	**Marengo #1559**
M.C. Chemical	720 South Street, Rfkd	2010305756	Slab Dip		950803	12-31-99	LaidLaw #1215
McWhorter Tech.	**374 Joe Orr Rd, Chicago Hgts.**	**0310450023**	**Resin Filters**	**180 yds**	**1994-547-LFM**	**1-1-4**	**LaidLaw #1215**
McWhorter Tech.	374 Joe Orr Rd, Chicago Hgts.	0310450023	Vinyl Ester Gel		960273	05-14-97	LaidLaw #1215
Metz Tool	5004 27th Ave, Rkfd	2010306056	Metal Grinding Swarf / Sweep		951963	01-19-00	LaidLaw #1215
Michelle Machine	1228 18th Ave, Rkfd	2010306002	Grinding Swarf		950618	02-28-00	LaidLaw #1215
Myco Display	**1122 Milford Ave, Rkfd**	**2010300043**	**Waste Powder Coat**	**20 Yds**	**960064**	**03-07-01**	**BFI #0715**

National Detroit	1590 Northrock Ct, Rkfd	2010305088	Metal Grindings / SLudge		960061	04-18-01	LaidLaw #1215
North American Tool	215 Elmwood, 'So. Beliot	2010455018	Box Waste Solids	10 Yds		11/1/01	RRD #3773
Process Graphics Corp	*2125 Kishwaukee St, Rkfd*	*2010305448*	*Sawdust*		*960059*	*04-17-01*	*LaidLaw #1215*
Progressive Steel Treating	922 Lawn Dr, Loves Park	2010155015	Sludge		950740	12-31-99	LaidLaw #1215
Quality Metal Finishing	4th & Walnuts, Byron	1410100001	Nickle Filter Waste	7 Yds	910356	02-23-00	LaidLaw #1215
Quality Metal Finishing	4th & Walnuts, Byron	1410100001	Used Buffing Compound	810 Yds	910356	04-12-01	LaidLaw #1215
Quality Metal Finishing	4th & Walnuts, Byron	1410100001	Sand Blast Media		960041	01-25-01	LaidLaw #1215
R & D THIEL CCI SHOP	3815 Newburg Rd, Rkfd	0070055006	Wood Block Flooring		70657		LaidLaw #1215
Ranger Machine	1922 7th St, Rkfd	2010305986	Metal Grindings Sweepings		942672	12-31-99	LaidLaw #1215
Rockford Blacktop	5290 Nimtz Road, Rkfd	2010155051	Asphalt Baghouse Dust		932624	01-05-99	RBT #0320
Rockford Powertrain	1200 Windsor Rd, Rkfd	2010300059	Oil Contaminated Waste	20 yds	942638	12-31-99	LaidLaw #1215
Rockford Spring	3801 S. Central Ave, Rkfd	2010306014	Grinding Wheel Dust	3685 g	070314	01-10-01	RRD #3773
Rockford Testing Labs	*520 15th Ave, Rkfd*	*2010305311*	*Phosphate Sludge*		*1991-138-LF*	*2-2002*	*BFI #0715*
Rowald Refrigeration	515 Grable, Rkfd	2010305722	Paint Filters /Metal Cuttings		951965	01-19-00	LaidLaw #1215
Sanitary District of Rockford	3333 Kishwaukee Street	2010300046	Vacuum Filter Cake &/or Refuse		950680		Sanitary Dist.
Saturn Paint & Screen Inc.	804 Morse Ave, Schaumberg, IL	318200003	Paint Filters	120 Yards	960109	04-19-01	LaidLaw #1215
Stabilization Systems, Inc	3801K W. Mckinley, Milwaukee	9550019999	Filter Cake	3400 Gls	1994-547-LFM	7-2003	Advance Waste
Standard Fusse	1020 Gardner Street,S.Beloit	2010455015	Ash	20 yds	942506	11-7-99	RRD #3773
Stieg Grinding	5015 28th Ave, Rkfd	2010305990	Grinding Swarf	10 g	942726	02-07-00	LaidLaw #1215
Swenson Spreader	PO Box 127, Lindenwood	1418995001	Paint Sludge		951966	03-06-01	LaidLaw #1215
Swenson Spreader	PO Box 127, Lindenwood	1418995001	Sand Blast Media				LaidLaw #1215
Thermo Burr	11245 Dundee Rd, Huntley	1110355016	Sludge			10-1-01	Marengo #1559
Top Die Cast	13910 Dearborn,S.Beloit	2010450030	Sandblast Media		070477		
Top Die Cast	N. Route 23, Marengo, Il	1110655010	Sandblast Media		070477		
Top Die Cast	N. Route 23, Marengo, Il	1110655010	Sludge		032395	12-22-98	Marengeo 1559
Try Quality Machine	1127 18th Ave, Rkfd	2010305989	Metal Turnins		942725	02-07-00	LaidLaw #1215
Village of Wauconda	302 Slocum Lake Rd, Wauconda	0971850006	Sanitation Sludge		70311		Laidlaw #1215
Warner Electric	5253 Mc Curry Rd, Roscoe	2010400010	Waste Grinding Sludge	106 yards	960042	02-02-01	RRD #3773
Warner Electric	1330 N State St, Marengo	1110655002	Grinding Sludge	20 Yds	923808	11-01-02	RRD #3773
Williamsburg Mfg	100 Park Ave,	9190019999	Filter Press Cake Sludge	139 Yds		12-15-2	
Xytel Corp.	801 Business Cnt. Mt. Prosect	0311985026	Paint Filters		942465	11-16-99	
Youngberg Ind.	1912 23rd Ave, Rkfd	2010305475	Machine Grindings		901315	01-05-00	LaidLaw #1215

WRS Special Waste: Lust pete...

GENERATOR	ADDRESS	IEPA ID #	WASTE CODE	QUANTITY	AUTHOI EXPIRES	Waste Hauler
Belvidere Township	800 5th Ave, Belvidere, Il	8078000002	Lust Soil	90 Yds		Kasper #1300
Boone County Fire Dept.	PO Box 434, Capron	2010353004	absorbants	2 drums		
City of South Beloit	519 Blackhawk, S Beloit	2010450014	Lust Soil	60 Yards		
Eagle Lumber & Timber Inc	PO Box 175 Savanna	0150103002	Cont. Soil	15 yds		
EPA-Parsons Casket	424 Fairview St, Belvidere, Il	0070050017	Cont. Soil	52,155 Yds		
Don Elliot	'102 Main Street, Kingston, Il	0370255003	Lust Soil	45 Yds		
Estes express Lines	3901 W Broadstreet, Richmond VA	201020003	Cont. Soil	21 Yds		
Farmer Gas Station	824 7th Street, RKF	2010306252	Lust Soil	345 Yards		RBT
Greater Rockford Airport	5855 Falcon Rd, Rockford	2010305678	Lust Soil	45 Yards		
Ingersoll Milling Machine	2501 N Main St. Rkf, Il	2010305093	Lust Soil	10 Yds		
Kingston Township	Hwy 72 Kingston, Il	0378065001	Lust Soil	15 Yards		Kasper
Landstar Inway	2000 Simpson Road, Rockford	2010303064	Absorbants	275 gls		
MGF Ind	840 Airport Rd, Rockford, Il	2010305222	Cont. Soil	50 Yds		
Milken trucking	9600 W 47th Street McCook, Il	2010403004	Absorbants	275 gls		
Northern FS	26 Railroad St, Huntley	1110353050	Lust Soil	15 yds		Kasper
Northern Il Terrazzo	1125 North 2nd St Rockford, Il	2010306255	Lust Soil	45 yards		
Pecatonica H.S.	1200 Main Street, Pecatonica	2010255009	Cont. Soil	15 yards		
Rock River Disposal	1218 Shappert Drive, Machesney Park, Il	2010303065	Absorbants	4 yards		
Scandroll Construction	823 N Madison Rockford	2010306259	Lust Soil	30 yards		
Straley Trucking	102 N Berton, Winnebago	2010303062	Absorbants	110 gals		
UPS	3300 Airport Dr, Rockford, Il	2010305968	Cont. Soil	2 yds		
Winnebago Co. Forest Preserve	Rt. 70 Pecatonica	2010303063	Absorbants	275 gls		
Winnebago Co. Satellite Jail	214 N Church St Rockford	2010303002	Absorbants	275 gls		
WTVO	1917 Meridian Rd, Rockford	201030672	Lust Soil	180 yds		Kasper
Z-Line Company	713 W Dakota, Ottawa, Il	0990803008	absorbants	330 Gls		

WRS
ROCKFORD, IL
Special Waste Manifest
1999

Lust Soils
Emergency Permits
Contaminated Soil

GENERATOR	ADDRESS	IEPA ID #	WASTE CODE	QUANTITY	AUTHOI EXPIRES	Waste Hauler
Belvidere Township	800 5th Ave, Belvidere, Il	8078000002	Lust Soil	90 Yds		Kasper #1300
Boone County Fire Dept.	PO Box 434, Capron	2010353004	absorbants	2 drums		
City of South Beloit	519 Blackhawk, S Beloit	2010450014	Lust Soil	60 Yards		
Eagle Lumber & Timber Inc	PO Box 175 Savanna	0150103002	Cont. Soil	15 yds		
EPA-Parsons Casket	424 Fairview St, Belvidere, Il	0070050017	Cont. Soil	52,155 Yds		
Don Elliot	'102 Main Street, Kingston, Il	0370255003	Lust Soil	45 Yds		
Estes express Lines	3901 W Broadstreet, Richmond VA	201020003	Cont. Soil	21 Yds		
Farmer Gas Station	824 7th Street, RKF	2010306252	Lust Soil	345 Yards		RBT
Greater Rockford Airport	5855 Falcon Rd, Rockford	2010305678	Lust Soil	45 Yards		
Ingersoll Milling Machine	2501 N Main St. Rkf, Il	2010305093	Lust Soil	10 Yds		
Kingston Township	Hwy 72 Kingston, Il	0378065001	Lust Soil	15 Yards		Kasper
Landstar Inway	2000 Simpson Road, Rockford	2010303064	Absorbants	275 gls		
MGF Ind	840 Airport Rd, Rockford, Il	2010305222	Cont. Soil	50 Yds		
Milken trucking	9600 W 47th Street McCook, Il	2010403004	Absorbants	275 gls		
Northern FS	26 Railroad St, Huntley	1110353050	Lust Soil	15 yds		Kasper
Northern Il Terrazzo	1125 North 2nd St Rockford, Il	2010306255	Lust Soil	45 yards		
Pecatonica H.S.	1200 Main Street, Pecatonica	2010255009	Cont. Soil	15 yards		
Rock River Disposal	1218 Shappert Drive, Machesney Park, Il	2010303065	Absorbants	4 yards		
Scandroli Construction	823 N Madison Rockford	2010306259	Lust Soil	30 yards		
Straley Trucking	102 N Berton, Winnebago	2010303062	Absorbants	110 gals		
UPS	3300 Airport Dr, Rockford, Il	2010305968	Cont. Soil	2 yds		
Winnebago Co. Forest Preserve	Rt. 70 Pecatonica	2010303063	Absorbants	275 gls		
Winnebago Co. Satellite Jail	214 N Church St Rockford	2010303002	Absorbants	275 gls		
WTVO	1917 Meridian Rd, Rockford	201030672	Lust Soil	180 yds		Kasper
Z-Line Company	713 W Dakota, Ottawa, Il	0990803008	absorbants	330 Gls		

APPENDIX C
Load Checking Summary

Summary of Load Checking Events
Pagel's Pit/Winnebago Reclamation Service
Winnebago County, Illinois
IEPA Site # 201080001
1999

Date	Time	Extraneous and/or Unauthorized Materials?	Sample Collected for Lab Testing?	Inspector's Name
1/8/99	9:00	no	no	Jeffrey Thein
1/8/99	9:20	no	no	Jeffrey Thein
1/8/99	9:25	no	no	Jeffrey Thein
1/15/99	3:15	no	no	Jeffrey Thein
1/15/99	3:20	no	no	Jeffrey Thein
1/15/99	3:35	no	no	Jeffrey Thein
1/22/99	3:00	no	no	Dan Alderks
1/22/99	3:15	no	no	Dan Alderks
1/22/99	3:30	no	no	Dan Alderks
1/28/99	11:05	no	no	Jeffrey Thein
1/28/99	11:10	yes	no	Jeffrey Thein
1/28/99	11:25	no	no	Jeffrey Thein
2/5/99	1:10	no	no	Jeffrey Thein
2/5/99	1:20	no	no	Jeffrey Thein
2/5/99	1:20	no	no	Jeffrey Thein
2/12/99	1:30	no	no	Jeffrey Thein
2/12/99	2:05	no	no	Jeffrey Thein
2/12/99	2:15	no	no	Jeffrey Thein
2/19/99	11:35	no	no	Jeffrey Thein
2/19/99	11:45	no	no	Jeffrey Thein
2/19/99	11:55	no	no	Jeffrey Thein
2/26/99	1:40	no	no	Jeffrey Thein
2/26/99	1:50	no	no	Jeffrey Thein
2/26/99	1:55	no	no	Jeffrey Thein
3/5/99	10:00	no	no	Jeffrey Thein
3/5/99	10:05	no	no	Jeffrey Thein
3/5/99	10:15	no	no	Jeffrey Thein
3/11/99	9:10	no	no	Jeffrey Thein
3/11/99	9:15	no	no	Jeffrey Thein
3/11/99	9:30	no	no	Jeffrey Thein
3/19/99	1:15	no	no	Jeffrey Thein
3/19/99	2:00	no	no	Jeffrey Thein
3/19/99	2:30	no	no	Jeffrey Thein
3/26/99	11:30	no	no	Jeffrey Thein
3/26/99	11:40	no	no	Jeffrey Thein
3/26/99	11:45	no	no	Jeffrey Thein
4/1/99	2:05	no	no	Jeffrey Thein
4/1/99	2:20	no	no	Jeffrey Thein
4/1/99	2:35	no	no	Jeffrey Thein
4/9/99	10:15	no	no	Jeffrey Thein
4/9/99	10:35	no	no	Jeffrey Thein
4/9/99	10:45	no	no	Jeffrey Thein
4/16/99	1:30	no	no	Jeffrey Thein
4/16/99	1:40	no	no	Jeffrey Thein

Summary of Load Checking Events
Pagel's Pit/Winnebago Reclamation Service
Winnebago County, Illinois
IEPA Site # 201080001
1999

Date	Time	Extraneous and/or Unauthorized Materials?	Sample Collected for Lab Testing?	Inspector's Name
4/18/99	9:00	no	no	Jeffrey Thein
4/21/99	1:15	no	no	Jeffrey Thein
4/21/99	1:20	no	no	Jeffrey Thein
4/21/99	1:45	no	no	Jeffrey Thein
5/7/99	7:55	no	no	Jeffrey Thein
5/7/99	8:05	no	no	Jeffrey Thein
5/7/99	8:20	no	no	Jeffrey Thein
5/7/99	8:50	no	no	Jeffrey Thein
5/12/99	2:20	no	no	Jeffrey Thein
5/12/99	2:25	no	no	Jeffrey Thein
5/12/99	2:40	no	no	Jeffrey Thein
5/20/99	8:50	no	no	Jeffrey Thein
5/20/99	8:55	no	no	Jeffrey Thein
5/20/99	9:00	no	no	Jeffrey Thein
5/28/99	9:50	no	no	Jeffrey Thein
5/28/99	10:00	no	no	Jeffrey Thein
5/28/99	10:05	no	no	Jeffrey Thein
6/3/99	1:30	yes	no	Jeffrey Thein
6/3/99	1:35	no	no	Jeffrey Thein
6/3/99	2:15	no	no	Jeffrey Thein
6/10/99	11:22	no	no	Jeffrey Thein
6/10/99	11:30	no	no	
6/10/99	11:45	no	no	Jeffrey Thein
6/18/99	2:05	no	no	Jeffrey Thein
6/18/99	2:10	yes	no	Jeffrey Thein
6/18/99	2:10	no	no	Jeffrey Thein
6/24/99	8:50	no	no	Jeffrey Thein
6/24/99	9:13	no	no	Jeffrey Thein
6/24/99	9:33	no	no	Jeffrey Thein
7/2/99	10:20	no	no	Jeffrey Thein
7/2/99	10:40	no	no	Jeffrey Thein
7/2/99	10:45	no	no	Jeffrey Thein
7/9/99	10:45	no	no	Alfonso Gulley
7/9/99	10:45	no	no	Alfonso Gulley
7/9/99	2:50	no	no	Alfonso Gulley
7/16/99	1:23	no	no	Alfonso Gulley
7/16/99	1:28	no	no	Alfonso Gulley
7/16/99		no	no	Alfonso Gulley
7/23/99	8:00	no	no	Jeffrey Thein
7/23/99	8:20	no	no	Jeffrey Thein
7/23/99	8:25	no	no	Jeffrey Thein
7/30/99	8:35	no	no	Jeffrey Thein
7/30/99	8:50	no	no	Jeffrey Thein
7/30/99	8:50	no	no	Jeffrey Thein

Summary of Load Checking Events
Pagel's Pit/Winnebago Reclamation Service
Winnebago County, Illinois
IEPA Site # 201080001
1999

Date	Time	Extraneous and/or Unauthorized Materials?	Sample Collected for Lab Testing?	Inspector's Name
8/8/99	9:00	no	no	Jeffrey Thein
8/5/99	11:15	no	no	Jeffrey Thein
8/5/99	11:25	no	no	Jeffrey Thein
8/13/99	11:00	no	no	Alfonso Gulley
8/13/99	11:16	no	no	Alfonso Gulley
8/13/99	11:40	no	no	Alfonso Gulley
8/26/99	11:00	no	no	Jeffrey Thein
8/26/99	11:15	no	no	Jeffrey Thein
8/26/99	11:20	no	no	Jeffrey Thein
8/26/99	11:30	no	no	Jeffrey Thein
8/26/99	11:50	no	no	Jeffrey Thein
8/26/99	12:00	no	no	Jeffrey Thein
9/3/99	2:55	no	no	Jeffrey Thein
9/3/99	3:05	no	no	Jeffrey Thein
9/3/99	3:30	no	no	Jeffrey Thein
9/9/99	8:40	no	no	Jeffrey Thein
9/9/99	8:45	no	no	Jeffrey Thein
9/9/99	9:00	no	no	Jeffrey Thein
9/17/99	1:10	no	no	Jeffrey Thein
9/17/99	1:25	no	no	Jeffrey Thein
9/17/99	1:35	no	no	Jeffrey Thein
9/22/99	1:40	yes	no	Jeffrey Thein
9/22/99	1:55	yes	no	Jeffrey Thein
9/22/99	2:10	no	no	Jeffrey Thein
10/8/99	1:25	no	no	Jeffrey Thein
10/8/99	1:35	no	no	Jeffrey Thein
10/8/99	1:55	no	no	Jeffrey Thein
10/15/99	9:25	no	no	Jeffrey Thein
10/15/99	9:30	no	no	Jeffrey Thein
10/15/99	9:35	no	no	Jeffrey Thein
10/22/99	8:30	no	no	Jeffrey Thein
10/22/99	8:35	no	no	Jeffrey Thein
10/22/99	8:45	no	no	Jeffrey Thein
11/5/99	11:05	no	no	Jeffrey Thein
11/5/99	11:20	no	no	Jeffrey Thein
11/5/99	11:25	no	no	Jeffrey Thein
11/12/99	1:19	no	no	Marcus Judson
11/12/99	1:26	yes	no	Marcus Judson
11/12/99	1:50	no	no	Marcus Judson
11/19/99	1:30	no	no	Jeffrey Thein
11/19/99	1:35	no	no	Jeffrey Thein
11/19/99	1:45	no	no	Jeffrey Thein
11/24/99	1:21	no	no	Alfonso Gulley
11/24/99	2:00	no	no	Alfonso Gulley

Summary of Load Checking Events
Pagel's Pit/Winnebago Reclamation Service
Winnebago County, Illinois
IEPA Site # 201080001
1999

Date	Time	Extraneous and/or Unauthorized Materials?	Sample Collected for Lab Testing?	Inspector's Name
11/24/99	2:00	no	no	Alfonso Gulley
12/2/99	1:45	no	no	Jeffrey Thein
12/2/99	1:50	no	no	Jeffrey Thein
12/2/99	1:55	yes	no	Jeffrey Thein
12/10/99	1:10	no	no	Marcus Judson
12/10/99	2:23	no	no	Marcus Judson
12/10/99	2:36	no	no	Marcus Judson
12/17/99	11:10	no	no	Jeffrey Thein
12/17/99	11:40	no	no	Jeffrey Thein
12/17/99	11:45	no	no	Jeffrey Thein
12/22/99	10:01	no	no	Alfonso Gulley
12/22/99	10:10	no	no	Alfonso Gulley
12/31/99	8:05	no	no	Jeffrey Thein
12/31/99	8:10	no	no	Jeffrey Thein
12/31/99	8:40	no	no	Jeffrey Thein

APPENDIX D
Leachate Monitoring Results

Leachate Monitoring Results
1st Quarter

WINNEBAGO RECLAMATION
PAGEL LANDFILL - NORTH UNIT
LEACHATE

CHEMICAL ANALYSIS FORMS

WINNEBAGO RECLAMATION
PAGEL LANDFILL - NORTH UNIT
LEACHATE

Well #	Date	Time	Odor	Color	Turbidity	TOIC	Stick Up	Total Depth	Temp C	Temp F	Cond@25	pH	GW Elev	Depth to Water from GS (ft)	Btm Elev	Depth to Water (from TOIC)	Report Due
L313	01/21/99	9:00	Stale	Brown	Slt.	NA	NA	NA	38.00	100.40	29200	7.97	NA	NA	NA	NA	4/15/99
L314	01/21/99	10:05	Spicy	Green Brown	Slt.	NA	NA	NA	18.00	64.40	24200	7.50	NA	49.82	NA	NA	4/15/99
L315	01/21/99	9:30	Stale	Dark Brown	Slt.	NA	NA	NA	32.00	89.60	31140	7.93	NA	NA	NA	NA	4/15/99
L316	01/21/99	10:50	Spicy	Greenish Black	Slt.	NA	NA	NA	14.00	57.20	31670	6.68	NA	81.09	NA	NA	4/15/99

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

RECORD CODE: L P C S M 0 1 (7)
TRANS CODE: A (8)

REPORT DUE DATE 4/15/99 (36MDY41)

FEDERAL ID NUMBER

SITE INVENTORY NUMBER 2018080001 (9–18)
MONITOR POINT NUMBER L313 (19–22) (see Instructions)
REGION N CO. Winnebago
DATE COLLECTED 01/21/99 (23MDY28)
FACILITY NAME PAGEL LANDFILL NORTH UNIT GROUNDWATER

FOR IEPA USE ONLY
LAB (29)
DATE RECEIVED / / (42MDY47)

BACKGROUND SAMPLE (X) (54)
TIME COLLECTED 9:00 (55HM58) (24 Hr. Clock)
UNABLE TO COLLECT SAMPLE (59)
MONITOR POINT SAMPLED BY F (60)
OTHER (SPECIFY)
SAMPLE FIELD FILTERED-INORGANICS (X) (61)
ORGANICS (X)

SAMPLE APPEARANCE: Stale Brown Slt. (63–102)

COLLECTOR COMMENTS (103–142)

LAB COMMENTS (150–199)

RECORD CODE L P C S M 0 2 TRANS CODE A (COLUMNS 9-29 FNM ABOVE)

	FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER (30–34)	Remarks (35)	Replicate (36)	< OR > (37)	VALUE (38–47)
Q	TEMP OF WATER (unfiltered F)	00011				100.400
Q	SPEC COND (unfiltered umhos)	00094				29200
Q	pH (unfiltered units)	00400				7.970
Q	ELEV OF GW SURF (ft ref MSL)	71993				NA
Q	DEPTH OF WATER (ft below LS)	72019				NA
A	BTM WELL ELEV (ft ref MSL)	72020				NA
Q	DEPTH TO WATER FR MEA PT (ft)	72109				NA

IL 532 3213
LPC 160 01/90

This agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1004 and 1021. Disclosure of this information is required. Failure to do so so may result in a civil penalty up to $25,000 for each day the failure continues a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

*Only Keypunch with Data in Columns 35 or Columns 38-47

RECORD CODE L P C S M 2 (1–7) TRANS CODE A

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L313 (19–22)

CO. Winnebago DATE COLLECTED 1/21/99 (23MDY28)

PAGEL LANDFILL - NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Silver ug/L	01077 (30–34)	(35)	(36)	< (37)	50 (38–47)
Q	Arsenic ug/L	01002				590
Q	Barium ug/L	01007				970
Q	Cadmium ug/L	01027				13
Q	Chromium ug/L	01034				710
Q	Copper ug/L	01042				370
Q	Iron ug/L	74010				49000
Q	Mercury ug/L	71900				0.86
Q	Manganese ug/L	01055				850
Q	Nickel ug/L	01067				810
Q	Lead ug/L	01051				500
Q	Zinc ug/L	01092				2100
Q	BOD mg/L	00310				2690
Q	Cyanide, total mg/L	00720				0.020
Q	COD mg/L	00340				9600
Q	COLIFORM PER 100 ML	74055			<	10
Q	Chromium, Hexavalent ug/L	01032			<	5000
Q	Fluoride mg/L	00951				1.0
Q	Nitrogen, ammonia mg/L	00610				2900
Q	Oil & Grease, total recoverable mg/L	00556				76
Q	Phenolics, total recoverable ug/L	34043				32000
Q	Solids, total dissolved mg/L	70295				15000
Q	Phosphorus, total mg/L	00650				21
Q	Solids, total suspended mg/L	00150				73

All analytical procedures must be performed in accordance with the methods contained in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods," SW-846, 3rd Edition, September 1986 or equivalent methods approved by the Agency. Proper sample chain of custody control and quality assurance/quality control procedures must be maintained in accordance with the facility sampling and analysis plan.

*Only Keypunch with Data in Column 35 or Columns 38-47

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

RECORD CODE: L P C S M 0 1 (7)

TRANS CODE: A (8)

REPORT DUE DATE 4/15/99 (36MDY41)

FEDERAL ID NUMBER _____

SITE INVENTORY NUMBER 2018080001 (9–18)

MONITOR POINT NUMBER L314 (19–22) (see Instructions)

REGION N CO. Winnebago

DATE COLLECTED 01/21/99 (23MDY28)

FACILITY NAME PAGEL LANDFILL NORTH UNIT GROUNDWATER

FOR IEPA USE ONLY
LAB ___ (29)
DATE RECEIVED / / (42MDY47)

BACKGROUND SAMPLE (X) ___ (54)

TIME COLLECTED 10:05 (55HM58) (24 Hr. Clock)

UNABLE TO COLLECT SAMPLE ___ (59)

MONITOR POINT SAMPLED BY F (60)

OTHER (SPECIFY) ___

SAMPLE FIELD FILTERED-INORGANICS (X) ___ (61)

ORGANICS (X) ___

SAMPLE APPEARANCE: Spicy Green Brown Slt. (63–102)

COLLECTOR COMMENTS (103–142)

LAB COMMENTS (150–199)

RECORD CODE L P C S M 0 2 TRANS CODE A (COLUMNS 9-29 FNM ABOVE)

	FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER (30–34)	Remarks (35)	Replicate (36)	< OR > (37)	VALUE (38–47)
Q	TEMP OF WATER (unfiltered F)	00011				64.400
Q	SPEC COND (unfiltered umhos)	00094				24200
Q	pH (unfiltered units)	00400				7.500
Q	ELEV OF GW SURF (ft ref MSL)	71993				NA
Q	DEPTH OF WATER (ft below LS)	72019				49.82
A	BTM WELL ELEV (ft ref MSL)	72020				NA
Q	DEPTH TO WATER FR MEA PT (ft)	72109				NA

IL 532 3213
LPC 160 01/90

This agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1004 and 1021. Disclosure of this information is required. Failure to do so so may result in a civil penalty up to $25,000 for each day the failure continues a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

*Only Keypunch with Data in Columns 35 or Columns 38-47

RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L314 (19–22)

CO. Winnebago DATE COLLECTED 1/21/99 (23MDY28)

PAGEL LANDFILL - NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Silver ug/L	01077 (30–34)	(35)	(36)	< (37)	50 (38–47)
Q	Arsenic ug/L	01002				32
Q	Barium ug/L	01007				510
Q	Cadmium ug/L	01027				40
Q	Chromium ug/L	01034				340
Q	Copper ug/L	01042				370
Q	Iron ug/L	74010				26000
Q	Mercury ug/L	71900				1.4
Q	Manganese ug/L	01055				460
Q	Nickel ug/L	01067				640
Q	Lead ug/L	01051				240
Q	Zinc ug/L	01092				1600
Q	BOD mg/L	00310				164
Q	Cyanide, total mg/L	00720				0.044
Q	COD mg/L	00340				2000
Q	COLIFORM PER 100 ML	74055			<	10
Q	Chromium, Hexavalent ug/L	01032			<	500
Q	Fluoride mg/L	00951				0.47
Q	Nitrogen, ammonia mg/L	00610				1700
Q	Oil & Grease, total recoverable mg/L	00556				40
Q	Phenolics, total recoverable ug/L	34043				3100
Q	Solids, total dissolved mg/L	70295				8400
Q	Phosphorus, total mg/L	00650				7.1
Q	Solids, total suspended mg/L	00150				440

All analytical procedures must be performed in accordance with the methods contained in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods," SW-846, 3rd Edition, September 1986 or equivalent methods approved by the Agency. Proper sample chain of custody control and quality assurance/quality control procedures must be maintained in accordance with the facility sampling and analysis plan.

*Only Keypunch with Data in Column 35 or Columns 38-47

IL 532 3213
LPC 160 1790 (CONT)

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

RECORD CODE: L P C S M 0 1 (7)
TRANS CODE: A (8)

REPORT DUE DATE 4/15/99 (36MDY41)

FEDERAL ID NUMBER _____

SITE INVENTORY NUMBER 2018080001 (9–18)
MONITOR POINT NUMBER L315 (19–22) (see Instructions)
REGION N CO. Winnebago
DATE COLLECTED 01/21/99 (23MDY28)
FACILITY NAME PAGEL LANDFILL NORTH UNIT GROUNDWATER

FOR IEPA USE ONLY
LAB ___ (29)
DATE RECEIVED / / (42MDY47)

BACKGROUND SAMPLE (X) ___ (54)
TIME COLLECTED 9:30 (55HM58) (24 Hr. Clock)
UNABLE TO COLLECT SAMPLE ___ (59)

MONITOR POINT SAMPLED BY F (60)
OTHER (SPECIFY) ___

SAMPLE FIELD FILTERED-INORGANICS (X) ___ (61)
ORGANICS (X) ___

SAMPLE APPEARANCE: Stale Dark Brown Slt. (63–102)

COLLECTOR COMMENTS (103–142)

LAB COMMENTS (150–199)

RECORD CODE L P C S M 0 2 TRANS CODE A (COLUMNS 9-29 FNM ABOVE)

	FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	TEMP OF WATER (unfiltered F)	00011 (30–34)	(35)	(36)	(37)	89.600 (38–47)
Q	SPEC COND (unfiltered umhos)	00094				31140
Q	pH (unfiltered units)	00400				7.930
Q	ELEV OF GW SURF (ft ref MSL)	71993				NA
Q	DEPTH OF WATER (ft below LS)	72019				NA
A	BTM WELL ELEV (ft ref MSL)	72020				NA
Q	DEPTH TO WATER FR MEA PT (ft)	72109				NA

IL 532 3213
LPC 160 01/90

This agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1004 and 1021. Disclosure of this information is required. Failure to do so so may result in a civil penalty up to $25,000 for each day the failure continues a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

*Only Keypunch with Data in Columns 35 or Columns 38-47

RECORD CODE |L|P|C|S|M| |2| (1–7) TRANS CODE |A|

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L315 (19–22)

CO. Winnebago DATE COLLECTED 1/21/99 (23MDY28)

PAGEL LANDFILL - NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Silver ug/L	01077 (30–34)	(35)	(36)	< (37)	50 (38–47)
Q	Arsenic ug/L	01002				290
Q	Barium ug/L	01007				780
Q	Cadmium ug/L	01027			<	3.0
Q	Chromium ug/L	01034				530
Q	Copper ug/L	01042				220
Q	Iron ug/L	74010				14000
Q	Mercury ug/L	71900				1.0
Q	Manganese ug/L	01055				200
Q	Nickel ug/L	01067				710
Q	Lead ug/L	01051				160
Q	Zinc ug/L	01092				1100
Q	BOD mg/L	00310				1070
Q	Cyanide, total mg/L	00720				0.053
Q	COD mg/L	00340				7400
Q	COLIFORM PER 100 ML	74055				3000
Q	Chromium, Hexavalent ug/L	01032			<	500
Q	Fluoride mg/L	00951				1.1
Q	Nitrogen, ammonia mg/L	00610				4700
Q	Oil & Grease, total recoverable mg/L	00556				50
Q	Phenolics, total recoverable ug/L	34043				520
Q	Solids, total dissolved mg/L	70295				14000
Q	Phosphorus, total mg/L	00650				15
Q	Solids, total suspended mg/L	00150				230

All analytical procedures must be performed in accordance with the methods contained in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods," SW-846, 3rd Edition, September 1986 or equivalent methods approved by the Agency. Proper sample chain of custody control and quality assurance/quality control procedures must be maintained in accordance with the facility sampling and analysis plan.

*Only Keypunch with Data in Column 35 or Columns 38-47

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

RECORD CODE: L P C S M 0 1 (7)

TRANS CODE: A (8)

REPORT DUE DATE 4/15/99 36MDY41

FEDERAL ID NUMBER _____

SITE INVENTORY NUMBER 2018080001 (9–18)

MONITOR POINT NUMBER L316 (19–22) (see Instructions)

REGION N CO. Winnebago

DATE COLLECTED 01/21/99 23MDY28

FACILITY NAME PAGEL LANDFILL NORTH UNIT GROUNDWATER

FOR IEPA USE ONLY
LAB ___ 29
DATE RECEIVED / / 42MDY47

BACKGROUND SAMPLE (X) ___ 54

TIME COLLECTED 10:50 55HM58 (24 Hr. Clock)

UNABLE TO COLLECT SAMPLE ___ 59

MONITOR POINT SAMPLED BY F 60

OTHER (SPECIFY) ___

SAMPLE FIELD FILTERED-INORGANICS (X) ___ 61

ORGANICS (X) ___

SAMPLE APPEARANCE: Spicy Greenish Black Slt. (63–102)

COLLECTOR COMMENTS: (103–142)

LAB COMMENTS: (150–199)

RECORD CODE L P C S M 0 2 TRANS CODE A (COLUMNS 9-29 FNM ABOVE)

	FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER (30–34)	Remarks (35)	Replicate (36)	< OR > (37)	VALUE (38–47)
Q	TEMP OF WATER (unfiltered F)	00011				57.200
Q	SPEC COND (unfiltered umhos)	00094				31670
Q	pH (unfiltered units)	00400				6.680
Q	ELEV OF GW SURF (ft ref MSL)	71993				NA
Q	DEPTH OF WATER (ft below LS)	72019				81.09
A	BTM WELL ELEV (ft ref MSL)	72020				NA
Q	DEPTH TO WATER FR MEA PT (ft)	72109				NA

IL 532 3213
LPC 160 01/90

This agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1004 and 1021. Disclosure of this information is required. Failure to do so so may result in a civil penalty up to $25,000 for each day the failure continues a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

*Only Keypunch with Data in Columns 35 or Columns 38-47

RECORD CODE L P C S M 2 (1–7) TRANS CODE A

SITE INVENTORY NUMBER 2018080001 (9–18)

MONITOR POINT NUMBER L316 (19–22)

CO. Winnebago

DATE COLLECTED 1/21/99 (23MDY28)

PAGEL LANDFILL - NORTH UNIT LEACHATE
FACILITY NAME

LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Silver ug/L	01077 (30–34)	(35)	(36)	< (37)	50 (38–47)
Q	Arsenic ug/L	01002				57
Q	Barium ug/L	01007				720
Q	Cadmium ug/L	01027				14
Q	Chromium ug/L	01034				220
Q	Copper ug/L	01042				160
Q	Iron ug/L	74010				840000
Q	Mercury ug/L	71900				0.29
Q	Manganese ug/L	01055				22000
Q	Nickel ug/L	01067				550
Q	Lead ug/L	01051				440
Q	Zinc ug/L	01092				120000
Q	BOD mg/L	00310				4340
Q	Cyanide, total mg/L	00720			<	0.010
Q	COD mg/L	00340				33000
Q	COLIFORM PER 100 ML	74055			<	10
Q	Chromium, Hexavalent ug/L	01032			<	500
Q	Fluoride mg/L	00951				0.15
Q	Nitrogen, ammonia mg/L	00610				2000
Q	Oil & Grease, total recoverable mg/L	00556				1400
Q	Phenolics, total recoverable ug/L	34043				190
Q	Solids, total dissolved mg/L	70295				24000
Q	Phosphorus, total mg/L	00650				16
Q	Solids, total suspended mg/L	00150				2600

All analytical procedures must be performed in accordance with the methods contained in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods," SW-846, 3rd Edition, September 1986 or equivalent methods approved by the Agency. Proper sample chain of custody control and quality assurance/quality control procedures must be maintained in accordance with the facility sampling and analysis plan.

*Only Keypunch with Data in Column 35 or Columns 38-47

IL 532 3213
LPC 160 1790 (CONT)

ANALYTICAL RESULTS

Madison Office & Laboratory
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- Analytical Report -

Project Name : PAGEL LANDFILL - NORTH UNIT LEACHATE

Client : WINNEBAGO RECLAMATION SERVI

Project Number : 2018080001

Report Date : 2/15/99

WI DNR LAB ID : 113172950

Lab Sample No.	Field ID	Collection Date	Lab Sample No.	Field ID	Collection Date
990212-001	L313	1/21/99			
990212-002	L314	1/21/99			
990212-003	L315	1/21/99			
990212-004	L316	1/21/99			

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample narrative. Release of this final report is authorized by Laboratory management, as is verified by the following signature.

Kari L. Warnock — 2-16-99

Approval Signature — **Date**

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- Analytical Report -

Project Name : PAGEL LANDFILL - NORTH UNIT LEACHATE
Project Number : 2018080001
Field ID : L313
Lab Sample Number : 990212-001
Lab Project Number : 990212

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 2/17/99
Collection Date : 1/21/99
Matrix Type : WATER
WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Arsenic	590	30	ug/L		2/9/99	EPA 206.2	EPA 206.2
Barium	970	50	ug/L		1/28/99	EPA 200.7	EPA 200.7
Cadmium	13	3.0	ug/L		2/1/99	EPA 213.2	EPA 213.2
Chromium	710	30	ug/L		1/26/99	EPA 200.7	EPA 200.7
Copper	370	100	ug/L		1/26/99	EPA 200.7	EPA 200.7
Iron	49000	500	ug/L		1/26/99	EPA 200.7	EPA 200.7
Lead	500	30	ug/L		2/9/99	EPA 239.2	EPA 239.2
Manganese	850	20	ug/L		1/26/99	EPA 200.7	EPA 200.7
Mercury	0.86	0.20	ug/L		1/27/99	EPA 245.1	EPA 245.1
Nickel	810	50	ug/L		1/26/99	EPA 200.7	EPA 200.7
Silver	< 50	50	ug/L	ED	1/26/99	EPA 200.7	EPA 200.7
Zinc	2100	200	ug/L		1/26/99	EPA 200.7	EPA 200.7
BOD	2690	2.00	mg/L	SUB	1/22/99	5210	5210
Chromium, Hexavalent	< 5000	5000	ug/L	ED	1/21/99	EPA 345.1	EPA 345.1
COD	9600	2500	mg/L	UN	1/22/99	EPA 410.4	EPA 410.4
COLIFORM	< 10	10	PER 100 ML	SUB	1/22/99	SM 9222D	SM 9222D
Cyanide, total	0.020	0.010	mg/L		1/27/99	EPA 335.4	EPA 335.4
Fluoride	1.0	0.050	mg/L		1/29/99	SM 4500F-C	SM 4500F-C
Nitrogen, ammonia	2900	100	mg/L	K	2/5/99	EPA 350.1	EPA 350.1
Oil & Grease, total recoverable	76	5.4	mg/L		2/1/99	EPA 413.1	EPA 413.1
Phenolics, total recoverable	32000	2000	ug/L	K	2/3/99	EPA 420.2	EPA 420.2
Phosphorus, total	21	2.5	mg/L		2/1/99	EPA 365.1	EPA 365.1
Solids, total dissolved	15000	20	mg/L		1/25/99	EPA 160.1	EPA 160.1
Solids, total suspended	73	10	mg/L		1/26/99	EPA 160.2	EPA 160.2

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- Analytical Report -

Project Name : PAGEL LANDFILL - NORTH UNIT LEACHATE
Project Number : 2018080001
Field ID : L314
Lab Sample Number : 990212-002
Lab Project Number : 990212

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 2/17/99
Collection Date : 1/21/99
Matrix Type : WATER
WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Arsenic	32	30	ug/L		2/9/99	EPA 206.2	EPA 206.2
Barium	510	50	ug/L		1/28/99	EPA 200.7	EPA 200.7
Cadmium	40	3.0	ug/L		2/1/99	EPA 213.2	EPA 213.2
Chromium	340	30	ug/L	B (1.6)	1/26/99	EPA 200.7	EPA 200.7
Copper	370	100	ug/L		1/26/99	EPA 200.7	EPA 200.7
Iron	26000	500	ug/L		1/26/99	EPA 200.7	EPA 200.7
Lead	240	30	ug/L		2/9/99	EPA 239.2	EPA 239.2
Manganese	460	20	ug/L		1/26/99	EPA 200.7	EPA 200.7
Mercury	1.4	0.20	ug/L		1/27/99	EPA 245.1	EPA 245.1
Nickel	640	50	ug/L		1/26/99	EPA 200.7	EPA 200.7
Silver	< 50	50	ug/L	ED	1/26/99	EPA 200.7	EPA 200.7
Zinc	1600	200	ug/L		1/26/99	EPA 200.7	EPA 200.7
BOD	164	2.00	mg/L	SUB	1/22/99	5210	5210
Chromium, Hexavalent	< 500	500	ug/L	ED	1/21/99	EPA 345.1	EPA 345.1
COD	2000	500	mg/L	UN	1/22/99	EPA 410.4	EPA 410.4
COLIFORM	< 10	10	PER 100 ML	SUB	1/22/99	SM 9222D	SM 9222D
Cyanide, total	0.044	0.010	mg/L		1/27/99	EPA 335.4	EPA 335.4
Fluoride	0.47	0.050	mg/L		1/29/99	SM 4500F-C	SM 4500F-C
Nitrogen, ammonia	1700	100	mg/L	K	2/5/99	EPA 350.1	EPA 350.1
Oil & Grease, total recoverable	40	5.3	mg/L	B(3.2)	2/1/99	EPA 413.1	EPA 413.1
Phenolics, total recoverable	3100	500	ug/L	K	2/3/99	EPA 420.2	EPA 420.2
Phosphorus, total	7.1	2.5	mg/L		2/1/99	EPA 365.1	EPA 365.1
Solids, total dissolved	8400	20	mg/L		1/25/99	EPA 160.1	EPA 160.1
Solids, total suspended	440	20	mg/L		1/26/99	EPA 160.2	EPA 160.2

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- Analytical Report -

Project Name : PAGEL LANDFILL - NORTH UNIT LEACHATE
Project Number : 2018080001
Field ID : L315
Lab Sample Number : 990212-003
Lab Project Number : 990212

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 2/17/99
Collection Date : 1/21/99
Matrix Type : WATER
WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Arsenic	290	30	ug/L		2/9/99	EPA 206.2	EPA 206.2
Barium	780	50	ug/L		1/28/99	EPA 200.7	EPA 200.7
Cadmium	< 3.0	3.0	ug/L	ED	2/1/99	EPA 213.2	EPA 213.2
Chromium	530	30	ug/L		1/26/99	EPA 200.7	EPA 200.7
Copper	220	100	ug/L		1/26/99	EPA 200.7	EPA 200.7
Iron	14000	500	ug/L		1/26/99	EPA 200.7	EPA 200.7
Lead	160	30	ug/L		2/9/99	EPA 239.2	EPA 239.2
Manganese	200	20	ug/L		1/26/99	EPA 200.7	EPA 200.7
Mercury	1.0	0.20	ug/L		1/27/99	EPA 245.1	EPA 245.1
Nickel	710	50	ug/L		1/26/99	EPA 200.7	EPA 200.7
Silver	< 50	50	ug/L	ED	1/26/99	EPA 200.7	EPA 200.7
Zinc	1100	200	ug/L		1/26/99	EPA 200.7	EPA 200.7
BOD	1070	2.00	mg/L	SUB	1/22/99	5210	5210
Chromium, Hexavalent	< 500	500	ug/L	ED	1/21/99	EPA 345.1	EPA 345.1
COD	7400	500	mg/L	UN	1/22/99	EPA 410.4	EPA 410.4
COLIFORM	3000	10	PER 100 ML	SUB	1/22/99	SM 9222D	SM 9222D
Cyanide, total	0.053	0.010	mg/L		1/27/99	EPA 335.4	EPA 335.4
Fluoride	1.1	0.050	mg/L		1/29/99	SM 4500F-C	SM 4500F-C
Nitrogen, ammonia	4700	100	mg/L	K	2/5/99	EPA 350.1	EPA 350.1
Oil & Grease, total recoverable	50	5.2	mg/L	B(3.2)	2/1/99	EPA 413.1	EPA 413.1
Phenolics, total recoverable	520	50	ug/L	K	2/3/99	EPA 420.2	EPA 420.2
Phosphorus, total	15	2.5	mg/L		2/1/99	EPA 365.1	EPA 365.1
Solids, total dissolved	14000	20	mg/L		1/25/99	EPA 160.1	EPA 160.1
Solids, total suspended	230	10	mg/L		1/26/99	EPA 160.2	EPA 160.2

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- Analytical Report -

Project Name : PAGEL LANDFILL - NORTH UNIT LEACHATE
Project Number : 2018080001
Field ID : L316
Lab Sample Number : 990212-004
Lab Project Number : 990212

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 2/17/99
Collection Date : 1/21/99
Matrix Type : WATER
WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Arsenic	57	30	ug/L		2/9/99	EPA 206.2	EPA 206.2
Barium	720	50	ug/L		1/28/99	EPA 200.7	EPA 200.7
Cadmium	14	3.0	ug/L		2/1/99	EPA 213.2	EPA 213.2
Chromium	220	30	ug/L	B (1.6)	1/26/99	EPA 200.7	EPA 200.7
Copper	160	100	ug/L		1/26/99	EPA 200.7	EPA 200.7
Iron	840000	5000	ug/L		1/26/99	EPA 200.7	EPA 200.7
Lead	440	30	ug/L		2/9/99	EPA 239.2	EPA 239.2
Manganese	22000	20	ug/L		1/26/99	EPA 200.7	EPA 200.7
Mercury	0.29	0.20	ug/L		1/27/99	EPA 245.1	EPA 245.1
Nickel	550	50	ug/L		1/26/99	EPA 200.7	EPA 200.7
Silver	< 50	50	ug/L	ED	1/26/99	EPA 200.7	EPA 200.7
Zinc	120000	2000	ug/L		1/26/99	EPA 200.7	EPA 200.7
BOD	4340	2.00	mg/L	SUB, 6	1/22/99	5210	5210
Chromium, Hexavalent	< 500	500	ug/L	ED	1/21/99	EPA 345.1	EPA 345.1
COD	33000	2500	mg/L	UN	1/22/99	EPA 410.4	EPA 410.4
COLIFORM	< 10	10	PER 100 ML	SUB	1/22/99	SM 9222D	SM 9222D
Cyanide, total	< 0.010	0.010	mg/L		1/27/99	EPA 335.4	EPA 335.4
Fluoride	0.15	0.050	mg/L		1/29/99	SM 4500F-C	SM 4500F-C
Nitrogen, ammonia	2000	100	mg/L	K	2/5/99	EPA 350.1	EPA 350.1
Oil & Grease, total recoverable	1400	5.2	mg/L		2/1/99	EPA 413.1	EPA 413.1
Phenolics, total recoverable	190	10	ug/L	K	2/3/99	EPA 420.2	EPA 420.2
Phosphorus, total	16	2.5	mg/L		2/1/99	EPA 365.1	EPA 365.1
Solids, total dissolved	24000	20	mg/L		1/25/99	EPA 160.1	EPA 160.1
Solids, total suspended	2600	100	mg/L		1/26/99	EPA 160.2	EPA 160.2

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Inorganic Data Qualifier Sheet

B(x)	Analyte is detected in the method blank at "*x*" concentration. Method blank criteria is evaluated to the laboratory LOD. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
ED	Elevated detection limit due to matrix effects.
K	Sample received unpreserved. Sample was either preserved at the time of receipt or at the time of sample preparation.
Sub	Assay was subcontracted to an approved lab.
UN	Unable to preserve sample due to matrix.
6	Complete oxygen depletion.

Company Name: Winnebago Reclamation

Branch or Location: Rockford

Project Contact: Tom Hilbert

Telephone: (815) 874-4806

Project Number: 2018080001

Project Name: Pagel North Unit Leachate Quarterly

Project State: Rockford, IL

Sampled By (Print): T. Dushek, M. Gilmer

Regulatory Program (circle): UST RCRA CLP SDWA NPDES/WPDES CAA NR_____ Other

NR720 Confirmation Analysis Required? (circle): Y (N)

(En Chem will not confirm unless otherwise instructed.)

EN CHEM INC.

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CHAIN OF CUSTODY

35718

Page _____ of _____

P.O. # _____ Quote # _____

Mail Report To: Tom Hilbert

Company: Winnebago

Address: 8403 Lindenwood, Rockford, IL 61109

Invoice To: Same as above

Company:

Address:

Mail Invoice To:

ANALYSES REQUESTED

FILTERED? (YES/NO)	N	N	N	N	N	N	N	N/N
PRESERVATION (CODE)*	D	D	A	G	A	C	C	N/O
	As (206.2), Hg (245.1)	Cd (213.2), Pb (239.2), Be, Cr, Cu, Fe, Mn, Ni, Zn, Ag (200.7)	Cr +6 (346.1)	Cyanide (335.4)	F (SM4500F), TDS (160.1)	O+G (413.1), TSS (160.2)	COD (410.4), Phenolics (420.2)	NH3 (350.3), BOD5 (SM5210), Total (365.1), Fecal Coliform (SM 9222D)

FIELD ID	SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	As	Hg	Be, Cr, Cu, Fe, Mn, Ni, Zn, Ag	Cd	Pb	Cr +6	Cyanide	F	O+G	TSS	COD	Phenolics	NH3	BOD5	Total	Fecal Coliform	FIELD SCREEN	MATRIX	GOOD COND.	TOTAL BOTTLES	COMMENTS	LABORATORY NUMBER
GW-111	L313 ①	1/21/99	0900	✓	✓	✓	✓	✓	✓	✓	✓			Water	X	10	* 99								Q12-001
GW-170	L314 ①	↓	1005	✓	✓	✓	✓	✓	✓	✓	✓			↓	↓	↓	*								-002
GW-112	L315 ①	↓	0930	✓	✓	✓	✓	✓	✓	✓	✓			↓	↓	↓	*								-003
GW-172	L316 ①	↓	1050	✓	✓	✓	✓	✓	✓	✓	✓			↓	↓	↓	*								-004

SHADED AREA FOR LABORATORY USE ONLY

* Please Preserve H_2SO_4 & HNO_3 Samples in lab RJB 1/21/99

① use these id's in hims BJN 1/22/99

*Preservation Code

A=None B=HCL C=H2SO4
D=HN03 E=EnCore F=Methanol**
G=NaOH O=Other (Indicate)

**If not using En Chem's methanol, indicate volume of methanol added and mark the appropriate samples.

Relinquished By:	Date/Time:	Received By:	Date/Time:
T.J. Dushek	1/21/99 1120	[illegible]	1-21-99 1120
[illegible]	1-21-99 1615	[illegible]	1/21/99 16:15

En Chem Project No.

Sample Receipt Temp. <4°C R.O.I

Sample Receipt pH (Wet/Metals) *Adjusted

Custody Seal

Leachate Monitoring Results
2nd Quarter

WINNEBAGO RECLAMATION
PAGEL LANDFILL NORTH - UNIT
LEACHATE

WINNEBAGO RECLAMATION
PAGEL LANDFILL - NORTH UNIT
GROUNDWATER

Well #	Date	Time	Odor	Color	Turbidity	TOIC	Stick Up	Total Depth	Temp C	Temp F	Cond@25	pH	GW Elev	Depth to Water from GS (ft)	Btm Elev	Depth to Water (from TOIC)	Report Due
L313	4/14/99	10:30	Spicy	Brown	Very	NA	NA	NA	43.00	109.40	31000	8.04	NA	NA	NA	NA	7/15/99
L314	4/14/99	11:25	Spicy	Brown	Mod	NA	NA	NA	19.00	66.20	24800	7.27	NA	57.28	NA	NA	7/15/99
L315	4/14/99	10:05	Spicy	Brown	Very	NA	NA	NA	28.00	82.40	33000	8.08	NA	NA	NA	NA	7/15/99
L316	4/14/99	9:25	Septic	Lt. Green	Mod	NA	NA	NA	17.50	63.50	30100	6.57	NA	74.90	NA	NA	7/15/99

CHEMICAL ANALYSIS FORMS

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

RECORD CODE: L P C S M 0 1 (7)

TRANS CODE: A (8)

REPORT DUE DATE 7/15/99 (36MDY41)

FEDERAL ID NUMBER

SITE INVENTORY NUMBER 2018080001 (9–18)

MONITOR POINT NUMBER L313 (19–22) (see Instructions)

REGION N CO. Winnebago

DATE COLLECTED 4/14/99 (23MDY28)

FACILITY NAME PAGEL LANDFILL NORTH UNIT GROUNDWATER

FOR IEPA USE ONLY
LAB (29)
DATE RECEIVED / / (42MDY47)

BACKGROUND SAMPLE (X) (54)

TIME COLLECTED 10:30 (55HM58) (24 Hr. Clock)

UNABLE TO COLLECT SAMPLE (59)

MONITOR POINT SAMPLED BY F (60)

OTHER (SPECIFY)

SAMPLE FIELD FILTERED-INORGANICS (X) (61)

ORGANICS (X)

SAMPLE APPEARANCE: Spicy Brown Very (63–102)

COLLECTOR COMMENTS (103–142)

LAB COMMENTS (150–199)

RECORD CODE L P C S M 0 2 TRANS CODE A (COLUMNS 9-29 FNM ABOVE)

	FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER (30–34)	Remarks (35)	Replicate (36)	< OR > (37)	VALUE (38–47)
Q	TEMP OF WATER (unfiltered F)	00011				109.400
Q	SPEC COND (unfiltered umhos)	00094				31000.000
Q	pH (unfiltered units)	00400				8.040
Q	ELEV OF GW SURF (ft ref MSL)	71993				NA
Q	DEPTH OF WATER (ft below LS)	72019				NA
A	BTM WELL ELEV (ft ref MSL)	72020				NA
Q	DEPTH TO WATER FR MEA PT (ft)	72109				NA

IL 532 3213
LPC 160 01/90

This agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1004 and 1021. Disclosure of this information is required. Failure to do so so may result in a civil penalty up to $25,000 for each day the failure continues a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

*Only Keypunch with Data in Columns 35 or Columns 38-47

RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L313 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	2,3,7,8-TCDD	ug/L	30 34	35	36	< 37	0.0050 38 47
Q	Silver	ug/L	01077			<	50
Q	Aluminum	ug/L	01105				17000
Q	Arsenic	ug/L	01002				440
Q	Boron	ug/L	01022				19000
Q	Barium	ug/L	01007				860
Q	Beryllium	ug/L	01012			<	10
Q	Calcium	ug/L	00916				110000
Q	Cadmium	ug/L	01027				9.3
Q	Cobalt	ug/L	01037				120
Q	Chromium	ug/L	01034				670
Q	Copper	ug/L	01042				260
Q	Iron	ug/L	74010				30000
Q	Tritium	pCi/mL	82126				3.7
Q	Mercury	ug/L	71900				0.61
Q	Potassium	ug/L	00937				950000
Q	Magnesium	ug/L	00927				100000
Q	Manganese	ug/L	01055				500
Q	Sodium	ug/L	00929				3300000
Q	Nickel	ug/L	01067				610
Q	Lead	ug/L	01051				270
Q	Antimony	ug/L	01097			<	100
Q	Selenium	ug/L	01147			<	30
Q	Tin	ug/L	01102				260
Q	Thallium	ug/L	01059			<	100
Q	Vanadium	ug/L	01087				82
Q	Zinc	ug/L	01092				1100

All analytical procedures must be performed in accordance with the methods contained in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods," SW-846, 3rd Edition, September 1986 or equivalent methods approved by the Agency. Proper sample chain of custody control and quality assurance/quality control procedures must be maintained in accordance with the facility sampling and analysis plan.

*Only Keypunch with Data in Column 35 or Columns 38-47

IL 532 3213
LPC 160 1790 (CONT)

RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L313 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Aroclor 1016	ug/L	34671 (30–34)	(35)	(36)	< (37)	10 (38–47)
Q	Aroclor 1221	ug/L	39488			<	10
Q	Aroclor 1232	ug/L	39492			<	10
Q	Aroclor 1242	ug/L	39496			<	10
Q	Aroclor 1248	ug/L	39500			<	10
Q	Aroclor 1254	ug/L	39504			<	10
Q	Aroclor 1260	ug/L	39508			<	10
Q	delta-BHC	ug/L	34259			<	0.50
Q	Endosulfan sulfate	ug/L	34351			<	1.0
Q	Endosulfan II	ug/L	34356			<	1.0
Q	Endosulfan I	ug/L	34361			<	0.50
Q	Endrin aldehyde	ug/L	34366			<	1.0
Q	4,4'-DDT	ug/L	39300			<	1.0
Q	4,4'-DDD	ug/L	39310			<	1.0
Q	4,4'-DDE	ug/L	39320			<	1.0
Q	Aldrin	ug/L	39330			<	0.50
Q	alpha BHC	ug/L	39337			<	0.50
Q	beta-BHC	ug/L	39338			<	0.50
Q	gamma-BHC (Lindane)	ug/L	39341			<	0.50
Q	Chlordane, technical	ug/L	39350			<	10
Q	Dieldrin	ug/L	39380			<	1.0
Q	Endrin	ug/L	39390			<	1.0
Q	Toxaphene	ug/L	39400			<	50
Q	Heptachlor	ug/L	39410			<	0.50
Q	Heptachlor epoxide	ug/L	39420			<	0.50
Q	Methoxychlor	ug/L	39480			<	5.0
Q	Acenaphthene	ug/L	34205			<	500

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*Only Keypunch with Data in Column 35 or Columns 38-47

RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L313 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Anthracene	ug/L	34220 (30–34)	(35)	(36)	< (37)	500 (38–47)
Q	Benzo(b)fluoranthene	ug/L	34230			<	500
Q	Benzo(k)fluoranthene	ug/L	34242			<	500
Q	Benzo(a)pyrene	ug/L	34247			<	500
Q	bis(2-Chloroethyl)ether	ug/L	34273			<	500
Q	bis(2-Chloroethoxy)methane	ug/L	34278			<	500
Q	Butylbenzylphthalate	ug/L	34292			<	500
Q	Chrysene	ug/L	34320			<	500
Q	Diethylphthalate	ug/L	34336			<	500
Q	Dimethylphthalate	ug/L	34341			<	500
Q	Fluoranthene	ug/L	34376			<	500
Q	Fluorene	ug/L	34381			<	500
Q	Hexachlorocyclopentadiene	ug/L	34386			<	500
Q	Hexachlorobutadiene	ug/L	34391			<	500
Q	Hexachloroethane	ug/L	34396			<	500
Q	Indeno(1,2,3-cd)pyrene	ug/L	34403			<	500
Q	N-Nitroso-di-n-propylamine	ug/L	34428			<	500
Q	N-Nitrosodiphenylamine	ug/L	34433			<	500
Q	N-Nitrosodimethylamine	ug/L	34438			<	500
Q	Nitrobenzene	ug/L	34447			<	500
Q	Phenanthrene	ug/L	34461				44
Q	Pyrene	ug/L	34469			<	500
Q	Benzo(g,h,i)perylene	ug/L	34521			<	500
Q	Benzo(a)anthracene	ug/L	34526			<	500
Q	Dibenzo(a,h)anthracene	ug/L	34556			<	500
Q	2-Chloronaphthalene	ug/L	34581			<	500
Q	2-Chlorophenol	ug/L	34586			<	500

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IL 532 3213

*Only Keypunch with Data in Column 35 or Columns 38-47

LPC 160 1790 (CONT)

RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L313 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	2-Nitrophenol	ug/L	34591 (30–34)	(35)	(36)	< (37)	500 (38–47)
Q	Di-n-octylphthalate	ug/L	34596			<	500
Q	2,4-Dichlorophenol	ug/L	34601			<	500
Q	2,4-Dimethylphenol	ug/L	34606				96
Q	2,4-Dinitrotoluene	ug/L	34611			<	500
Q	2,4-Dinitrophenol	ug/L	34616			<	1300
Q	2,4,6-Trichlorophenol	ug/L	34621			<	500
Q	2,6-Dinitrotoluene	ug/L	34626			<	500
Q	3,3-Dichlorobenzidine	ug/L	34631			<	500
Q	4-Bromophenyl phenyl ether	ug/L	34636			<	500
Q	4-Chlorophenyl phenyl ether	ug/L	34641			<	500
Q	4-Nitrophenol	ug/L	34646			<	1300
Q	Naphthalene	ug/L	34696				63
Q	Pentachlorophenol	ug/L	39032			<	1300
Q	bis(2-Ethylhexyl)phthalate	ug/L	39100			<	500
Q	Di-n-butylphthalate	ug/L	39110			<	500
Q	Hexachlorobenzene	ug/L	39700			<	500
Q	4-Methylphenol	ug/L	77146				7500
Q	4,6-Dinitro-2-methylphenol	ug/L	79533			<	1300
Q	Bromodichloromethane	ug/L	32101			<	100
Q	Carbon tetrachloride	ug/L	32102			<	100
Q	1,2-Dichloroethane	ug/L	32103			<	100
Q	Bromoform	ug/L	32104			<	100
Q	Chloroform	ug/L	32106			<	100
Q	Toluene	ug/L	34010			<	100
Q	Benzene	ug/L	34030			<	100
Q	Chlorobenzene	ug/L	34301			<	100

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*Only Keypunch with Data in Column 35 or Columns 38–47

RECORD CODE |L|P|C|S|M| | |2| (1–7) TRANS CODE |A|

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L313 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Chlorodibromomethane	ug/L	34306 (30–34)	(35)	(36)	< (37)	100 (38–47)
Q	Chloroethane	ug/L	34311			<	200
Q	Bromomethane	ug/L	34413			<	200
Q	Chloromethane	ug/L	34418			<	200
Q	Methylene chloride	ug/L	34423			<	100
Q	Tetrachloroethene	ug/L	34475			<	100
Q	Fluorotrichloromethane	ug/L	34488			<	200
Q	1,1-Dichloroethane	ug/L	34496			<	100
Q	1,1-Dichloroethene	ug/L	34501			<	100
Q	1,1,1-Trichloroethane	ug/L	34506			<	100
Q	1,1,2-Trichloroethane	ug/L	34511			<	100
Q	1,1,2,2-Tetrachloroethane	ug/L	34516			<	100
Q	1,2-Dichlorobenzene	ug/L	34536			<	100
Q	1,2-Dichloropropane	ug/L	34541			<	100
Q	trans-1,2-Dichloroethene	ug/L	34546			<	100
Q	1,2,4-Trichlorobenzene	ug/L	34551			<	100
Q	1,3-Dichlorobenzene	ug/L	34566			<	100
Q	1,4-Dichlorobenzene	ug/L	34571			<	100
Q	2-Chloroethylvinylether	ug/L	34576			<	500
Q	Dichlorodifluoromethane	ug/L	34668			<	200
Q	trans-1,3-Dichloropropene	ug/L	34699			<	100
Q	cis-1,3-Dichloropropene	ug/L	34704			<	100
Q	1,2-Dibromo-3-chloropropane	ug/L	38437			<	200
Q	Vinyl chloride	ug/L	39175			<	200
Q	Trichloroethene	ug/L	39180			<	100
Q	n-Butanol	ug/L	45265			<	10000
Q	trans-1,4-Dichloro-2-b	ug/L	73547			<	500

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*Only Keypunch with Data in Column 35 or Columns 38-47

IL 532 3213
LPC 160 1790 (CONT)

RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L313 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Isopropyl alcohol	ug/L	77015 (30–34)	(35)	(36)	< (37)	100000 (38–47)
Q	1-Propanol	ug/L	77018			<	10000
Q	Carbon disulfide	ug/L	77041			<	100
Q	Vinyl acetate	ug/L	77057			<	100
Q	cis-1,2-Dichloroethene	ug/L	77093			<	100
Q	2-Hexanone	ug/L	77103			<	500
Q	Styrene	ug/L	77128			<	100
Q	1,1-Dichloropropene	ug/L	77168			<	100
Q	2,2-Dichloropropane	ug/L	77170			<	100
Q	1,3-Dichloropropane	ug/L	77173			<	100
Q	1,2,4-Trimethylbenzene	ug/L	77222			<	100
Q	Isopropylbenzene	ug/L	77223			<	100
Q	n-Propylbenzene	ug/L	77224			<	100
Q	1,3,5-Trimethylbenzene	ug/L	77226			<	100
Q	2-Chlorotoluene	ug/L	77275			<	100
Q	4-Chlorotoluene	ug/L	77277			<	100
Q	Bromochloromethane	ug/L	77297			<	100
Q	n-Butylbenzene	ug/L	77342			<	100
Q	s-Butylbenzene	ug/L	77350			<	100
Q	t-Butylbenzene	ug/L	77353			<	100
Q	p-Isopropyltoluene	ug/L	77356			<	100
Q	Iodomethane	ug/L	77424			<	500
Q	1,2,3-Trichloropropane	ug/L	77443			<	100
Q	1,1,1,2-Tetrachloroethane	ug/L	77562			<	100
Q	Dibromomethane	ug/L	77596			<	100
Q	1,2,3-Trichlorobenzene	ug/L	77613			<	100
Q	1,2-Dibromoethane	ug/L	77651			<	100

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RECORD CODE L P C S M 2 (1–7) TRANS CODE A

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L313 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Ethylbenzene	ug/L	78113 (30–34)	(35)	(36)	< (37)	100 (38–47)
Q	4-Methyl-2-pentanone	ug/L	78133			<	500
Q	Xylene, total	ug/L	81551			<	200
Q	Acetone	ug/L	81552				19000
Q	Bromobenzene	ug/L	81555			<	100
Q	Ethyl acetate	ug/L	81585			<	500
Q	2-Butanone	ug/L	81595				5500
Q	Tetrahydrofuran	ug/L	81607			<	500
Q	Carbonate Alkalinity	mg/L				<	200
Q	Bicarbonate Alkalinity	mg/L	—				10000
Q	Total Alkalinity	mg/L	00410				10000
Q	BOD	mg/L	00310				3200
Q	Chloride	mg/L	00940				490
Q	Cyanide, total	mg/L	00720				0.012
Q	COD	mg/L	00340				12000
Q	COLIFORM	CFU/100	74055			<	100
Q	Chromium, Hexavalent	ug/L	01032			<	500
Q	Fluoride	mg/L	00951			<	2.0
Q	Nitrogen, ammonia	mg/L	00610				4000
Q	Nitrogen, nitrate	mg/L	00620				170
Q	Oil & Grease, total recoverable	mg/L	00556				20
Q	Phenolics, total recoverable	ug/L	34043				16000
Q	Sulfate	mg/L	00945				650
Q	Solids, total dissolved	mg/L	70295				17000
Q	TOC as NPOC	mg/L	00680				3600
Q	Phosphorus, total	mg/L	00650				6.0
Q	Solids, total suspende	mg/L	00150				570

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RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L313 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Atrazine	ug/L	39033 (30–34)	(35)	(36)	(37)	4.4 (38–47)
Q	Parathion	ug/L	39540			<	1.0
Q	Alachlor	ug/L	46317				7.6
Q	2,4-D	ug/L	39730			<	5.0
Q	2,4,5-TP (Silvex)	ug/L	39760				7.7
Q	Aldicarb	ug/L	39053			<	50
Q	Carbofuran	ug/L	81405			<	50

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*Only Keypunch with Data in Column 35 or Columns 38–47

IL 532 3213
LPC 160 1790 (CONT)

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

RECORD CODE: L P C S M 0 1 (7)

TRANS CODE: A (8)

REPORT DUE DATE 7/15/99 (36MDY41)

FEDERAL ID NUMBER _____

SITE INVENTORY NUMBER 2018080001 (9–18)

MONITOR POINT NUMBER L315 (19–22) (see Instructions)

REGION N CO. Winnebago

DATE COLLECTED 4/14/99 (23MDY28)

FACILITY NAME PAGEL LANDFILL NORTH UNIT GROUNDWATER

FOR IEPA USE ONLY
LAB ___ (29)
DATE RECEIVED / / (42MDY47)

BACKGROUND SAMPLE (X) _____ (54)

TIME COLLECTED 10:05 (24 Hr. Clock) (55HM58)

UNABLE TO COLLECT SAMPLE _____ (59)

MONITOR POINT SAMPLED BY F (60)

OTHER (SPECIFY) _____

SAMPLE FIELD FILTERED-INORGANICS (X) _____ (61)

ORGANICS (X) _____

SAMPLE APPEARANCE: Spicy Brown Very (63–102)

COLLECTOR COMMENTS (103–142)

LAB COMMENTS (150–199)

RECORD CODE L P C S M 0 2 TRANS CODE A (COLUMNS 9-29 FNM ABOVE)

	FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER (30–34)	Remarks (35)	Replicate (36)	< OR > (37)	VALUE (38–47)
Q	TEMP OF WATER (unfiltered F)	00011				82.400
Q	SPEC COND (unfiltered umhos)	00094				33000.000
Q	pH (unfiltered units)	00400				8.080
Q	ELEV OF GW SURF (ft ref MSL)	71993				NA
Q	DEPTH OF WATER (ft below LS)	72019				NA
A	BTM WELL ELEV (ft ref MSL)	72020				NA
Q	DEPTH TO WATER FR MEA PT (ft)	72109				NA

IL 532 3213
LPC 160 01/90

This agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1004 and 1021. Disclosure of this information is required. Failure to do so so may result in a civil penalty up to $25,000 for each day the failure continues a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

*Only Keypunch with Data in Columns 35 or Columns 38-47

RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L315 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	2,3,7,8-TCDD	ug/L	30 34	35	36	< 37	0.0050 38 47
Q	Silver	ug/L	01077			<	50
Q	Aluminum	ug/L	01105				700
Q	Arsenic	ug/L	01002				330
Q	Boron	ug/L	01022				18000
Q	Barium	ug/L	01007				780
Q	Beryllium	ug/L	01012			<	10
Q	Calcium	ug/L	00916				48000
Q	Cadmium	ug/L	01027			<	3.0
Q	Cobalt	ug/L	01037				110
Q	Chromium	ug/L	01034				500
Q	Copper	ug/L	01042			<	100
Q	Iron	ug/L	74010				5400
Q	Tritium	pCi/mL	82126				1.9
Q	Mercury	ug/L	71900			<	0.20
Q	Potassium	ug/L	00937				990000
Q	Magnesium	ug/L	00927				90000
Q	Manganese	ug/L	01055				91
Q	Sodium	ug/L	00929				3500000
Q	Nickel	ug/L	01067				620
Q	Lead	ug/L	01051				34
Q	Antimony	ug/L	01097			<	100
Q	Selenium	ug/L	01147			<	30
Q	Tin	ug/L	01102			<	200
Q	Thallium	ug/L	01059			<	100
Q	Vanadium	ug/L	01087				52
Q	Zinc	ug/L	01092				660

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IL 532 3213
LPC 160 1790 (CONT)

RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L315 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Aroclor 1016	ug/L	34671 (30–34)	(35)	(36)	< (37)	10 (38–47)
Q	Aroclor 1221	ug/L	39488			<	10
Q	Aroclor 1232	ug/L	39492			<	10
Q	Aroclor 1242	ug/L	39496			<	10
Q	Aroclor 1248	ug/L	39500			<	10
Q	Aroclor 1254	ug/L	39504			<	10
Q	Aroclor 1260	ug/L	39508			<	10
Q	delta-BHC	ug/L	34259			<	0.50
Q	Endosulfan sulfate	ug/L	34351			<	1.0
Q	Endosulfan II	ug/L	34356			<	1.0
Q	Endosulfan I	ug/L	34361			<	0.50
Q	Endrin aldehyde	ug/L	34366			<	1.0
Q	4,4'-DDT	ug/L	39300			<	1.0
Q	4,4'-DDD	ug/L	39310			<	1.0
Q	4,4'-DDE	ug/L	39320			<	1.0
Q	Aldrin	ug/L	39330			<	0.50
Q	alpha BHC	ug/L	39337			<	0.50
Q	beta-BHC	ug/L	39338			<	0.50
Q	gamma-BHC (Lindane)	ug/L	39341			<	0.50
Q	Chlordane, technical	ug/L	39350			<	10
Q	Dieldrin	ug/L	39380			<	1.0
Q	Endrin	ug/L	39390			<	1.0
Q	Toxaphene	ug/L	39400			<	50
Q	Heptachlor	ug/L	39410			<	0.50
Q	Heptachlor epoxide	ug/L	39420			<	0.50
Q	Methoxychlor	ug/L	39480			<	5.0
Q	Acenaphthene	ug/L	34205			<	500

All analytical procedures must be performed in accordance with the methods contained in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods," SW-846, 3rd Edition, September 1986 or equivalent methods approved by the Agency. Proper sample chain of custody control and quality assurance/quality control procedures must be maintained in accordance with the facility sampling and analysis plan.

*Only Keypunch with Data in Column 35 or Columns 38-47

RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L315 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Anthracene	ug/L	34220 (30–34)	(35)	(36)	< (37)	500 (38–47)
Q	Benzo(b)fluoranthene	ug/L	34230			<	500
Q	Benzo(k)fluoranthene	ug/L	34242			<	500
Q	Benzo(a)pyrene	ug/L	34247			<	500
Q	bis(2-Chloroethyl)ether	ug/L	34273			<	500
Q	bis(2-Chloroethoxy)methane	ug/L	34278			<	500
Q	Butylbenzylphthalate	ug/L	34292			<	500
Q	Chrysene	ug/L	34320			<	500
Q	Diethylphthalate	ug/L	34336			<	500
Q	Dimethylphthalate	ug/L	34341			<	500
Q	Fluoranthene	ug/L	34376			<	500
Q	Fluorene	ug/L	34381			<	500
Q	Hexachlorocyclopentadiene	ug/L	34386			<	500
Q	Hexachlorobutadiene	ug/L	34391			<	500
Q	Hexachloroethane	ug/L	34396			<	500
Q	Indeno(1,2,3-cd)pyrene	ug/L	34403			<	500
Q	N-Nitroso-di-n-propylamine	ug/L	34428			<	500
Q	N-Nitrosodiphenylamine	ug/L	34433			<	500
Q	N-Nitrosodimethylamine	ug/L	34438			<	500
Q	Nitrobenzene	ug/L	34447			<	500
Q	Phenanthrene	ug/L	34461			<	500
Q	Pyrene	ug/L	34469			<	500
Q	Benzo(g,h,i)perylene	ug/L	34521			<	500
Q	Benzo(a)anthracene	ug/L	34526			<	500
Q	Dibenzo(a,h)anthracene	ug/L	34556			<	500
Q	2-Chloronaphthalene	ug/L	34581			<	500
Q	2-Chlorophenol	ug/L	34586			<	500

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IL 532 3213
LPC 160 1790 (CONT)

*Only Keypunch with Data in Column 35 or Columns 38-47

RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L315 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	2-Nitrophenol	ug/L	34591 (30–34)	(35)	(36)	< (37)	500 (38–47)
Q	Di-n-octylphthalate	ug/L	34596			<	500
Q	2,4-Dichlorophenol	ug/L	34601			<	500
Q	2,4-Dimethylphenol	ug/L	34606				54
Q	2,4-Dinitrotoluene	ug/L	34611			<	500
Q	2,4-Dinitrophenol	ug/L	34616			<	1300
Q	2,4,6-Trichlorophenol	ug/L	34621			<	500
Q	2,6-Dinitrotoluene	ug/L	34626			<	500
Q	3,3-Dichlorobenzidine	ug/L	34631			<	500
Q	4-Bromophenyl phenyl ether	ug/L	34636			<	500
Q	4-Chlorophenyl phenyl ether	ug/L	34641			<	500
Q	4-Nitrophenol	ug/L	34646			<	1300
Q	Naphthalene	ug/L	34696			<	500
Q	Pentachlorophenol	ug/L	39032			<	1300
Q	bis(2-Ethylhexyl)phthalate	ug/L	39100			<	500
Q	Di-n-butylphthalate	ug/L	39110			<	500
Q	Hexachlorobenzene	ug/L	39700			<	500
Q	4-Methylphenol	ug/L	77146				600
Q	4,6-Dinitro-2-methylphenol	ug/L	79533			<	1300
Q	Bromodichloromethane	ug/L	32101			<	25
Q	Carbon tetrachloride	ug/L	32102			<	25
Q	1,2-Dichloroethane	ug/L	32103			<	25
Q	Bromoform	ug/L	32104			<	25
Q	Chloroform	ug/L	32106			<	25
Q	Toluene	ug/L	34010				97
Q	Benzene	ug/L	34030			<	25
Q	Chlorobenzene	ug/L	34301			<	25

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*Only Keypunch with Data in Column 35 or Columns 38-47

RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L315 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Chlorodibromomethane	ug/L	34306 (30–34)	(35)	(36)	< (37)	25 (38–47)
Q	Chloroethane	ug/L	34311			<	50
Q	Bromomethane	ug/L	34413			<	50
Q	Chloromethane	ug/L	34418			<	50
Q	Methylene chloride	ug/L	34423			<	25
Q	Tetrachloroethene	ug/L	34475			<	25
Q	Fluorotrichloromethane	ug/L	34488			<	50
Q	1,1-Dichloroethane	ug/L	34496			<	25
Q	1,1-Dichloroethene	ug/L	34501			<	25
Q	1,1,1-Trichloroethane	ug/L	34506			<	25
Q	1,1,2-Trichloroethane	ug/L	34511			<	25
Q	1,1,2,2-Tetrachloroethane	ug/L	34516			<	25
Q	1,2-Dichlorobenzene	ug/L	34536			<	25
Q	1,2-Dichloropropane	ug/L	34541			<	25
Q	trans-1,2-Dichloroethene	ug/L	34546			<	25
Q	1,2,4-Trichlorobenzene	ug/L	34551			<	25
Q	1,3-Dichlorobenzene	ug/L	34566			<	25
Q	1,4-Dichlorobenzene	ug/L	34571			<	25
Q	2-Chloroethylvinylether	ug/L	34576			<	130
Q	Dichlorodifluoromethane	ug/L	34668			<	50
Q	trans-1,3-Dichloropropene	ug/L	34699			<	25
Q	cis-1,3-Dichloropropene	ug/L	34704			<	25
Q	1,2-Dibromo-3-chloropropane	ug/L	38437			<	50
Q	Vinyl chloride	ug/L	39175			<	50
Q	Trichloroethene	ug/L	39180			<	25
Q	n-Butanol	ug/L	45265			<	2500
Q	trans-1,4-Dichloro-2-b	ug/L	73547			<	130

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*Only Keypunch with Data in Column 35 or Columns 38–47

RECORD CODE L P C S M 2 (1–7) TRANS CODE A

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L315 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Isopropyl alcohol	ug/L	77015 (30–34)	(35)	(36)	< (37)	25000 (38–47)
Q	1-Propanol	ug/L	77018			<	2500
Q	Carbon disulfide	ug/L	77041			<	25
Q	Vinyl acetate	ug/L	77057			<	25
Q	cis-1,2-Dichloroethene	ug/L	77093			<	25
Q	2-Hexanone	ug/L	77103			<	130
Q	Styrene	ug/L	77128			<	25
Q	1,1-Dichloropropene	ug/L	77168			<	25
Q	2,2-Dichloropropane	ug/L	77170			<	25
Q	1,3-Dichloropropane	ug/L	77173			<	25
Q	1,2,4-Trimethylbenzene	ug/L	77222			<	25
Q	Isopropylbenzene	ug/L	77223			<	25
Q	n-Propylbenzene	ug/L	77224			<	25
Q	1,3,5-Trimethylbenzene	ug/L	77226			<	25
Q	2-Chlorotoluene	ug/L	77275			<	25
Q	4-Chlorotoluene	ug/L	77277			<	25
Q	Bromochloromethane	ug/L	77297			<	25
Q	n-Butylbenzene	ug/L	77342			<	25
Q	s-Butylbenzene	ug/L	77350			<	25
Q	t-Butylbenzene	ug/L	77353			<	25
Q	p-Isopropyltoluene	ug/L	77356			<	25
Q	Iodomethane	ug/L	77424			<	130
Q	1,2,3-Trichloropropane	ug/L	77443			<	25
Q	1,1,1,2-Tetrachloroethane	ug/L	77562			<	25
Q	Dibromomethane	ug/L	77596			<	25
Q	1,2,3-Trichlorobenzene	ug/L	77613			<	25
Q	1,2-Dibromoethane	ug/L	77651			<	25

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*Only Keypunch with Data in Column 35 or Columns 38-47

RECORD CODE | L | P | C | S | M | | 2 |
1 7

TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001
9 18

MONITOR POINT NUMBER L315
19 22

CO. Winnebago

DATE COLLECTED 4/14/99
23MDY28

PAGEL NORTH UNIT LEACHATE
FACILITY NAME

LAB _____
29

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Ethylbenzene	ug/L	78113 (30 34)	35	36	37	29 (38 47)
Q	4-Methyl-2-pentanone	ug/L	78133			<	130
Q	Xylene, total	ug/L	81551				96
Q	Acetone	ug/L	81552				1100
Q	Bromobenzene	ug/L	81555			<	25
Q	Ethyl acetate	ug/L	81585			<	130
Q	2-Butanone	ug/L	81595				540
Q	Tetrahydrofuran	ug/L	81607			<	130
Q	Carbonate Alkalinity	mg/L				<	200
Q	Bicarbonate Alkalinity	mg/L	—				8300
Q	Total Alkalinity	mg/L	00410				8300
Q	BOD	mg/L	00310				590
Q	Chloride	mg/L	00940				5100
Q	Cyanide, total	mg/L	00720				0.012
Q	COD	mg/L	00340				5900
Q	COLIFORM	CFU/100	74055			<	100
Q	Chromium, Hexavalent	ug/L	01032			<	500
Q	Fluoride	mg/L	00951				32
Q	Nitrogen, ammonia	mg/L	00610				3400
Q	Nitrogen, nitrate	mg/L	00620			<	4.0
Q	Oil & Grease, total recoverable	mg/L	00556				13
Q	Phenolics, total recoverable	ug/L	34043				1300
Q	Sulfate	mg/L	00945			<	40
Q	Solids, total dissolved	mg/L	70295				14000
Q	TOC as NPOC	mg/L	00680				2300
Q	Phosphorus, total	mg/L	00650				3.9
Q	Solids, total suspende	mg/L	00150				41

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RECORD CODE | L | P | C | S | M | | 2 |
1 7

TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001
9 18

MONITOR POINT NUMBER L315
19 22

CO. Winnebago

DATE COLLECTED 4/14/99
23MDY28

PAGEL NORTH UNIT LEACHATE
FACILITY NAME

LAB _____
29

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Atrazine ug/L	39033 (30 34)	(35)	(36)	< (37)	2.0 (38 47)
Q	Parathion ug/L	39540			<	1.0
Q	Alachlor ug/L	46317				9.5
Q	2,4-D ug/L	39730			<	5.0
Q	2,4,5-TP (Silvex) ug/L	39760			<	5.0
Q	Aldicarb ug/L	39053			<	50
Q	Carbofuran ug/L	81405			<	50

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*Only Keypunch with Data in Column 35 or Columns 38-47

IL 532 3213
LPC 160 1790 (CONT)

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

RECORD CODE: L P C S M 0 1 (7)

TRANS CODE: A (8)

REPORT DUE DATE 7/15/99 (36MDY41)

FEDERAL ID NUMBER

SITE INVENTORY NUMBER 2018080001 (9–18)

MONITOR POINT NUMBER L316 (19–22) (see Instructions)

REGION N CO. Winnebago

DATE COLLECTED 4/14/99 (23MDY28)

FACILITY NAME PAGEL LANDFILL NORTH UNIT GROUNDWATER

FOR IEPA USE ONLY
LAB (29)
DATE RECEIVED / / (42MDY47)

BACKGROUND SAMPLE (X) (54)

TIME COLLECTED 9:25 (24 Hr. Clock) (55HM58)

UNABLE TO COLLECT SAMPLE (59)

MONITOR POINT SAMPLED BY F (60)

OTHER (SPECIFY)

SAMPLE FIELD FILTERED-INORGANICS (X) (61)

ORGANICS (X)

SAMPLE APPEARANCE: Septic Lt. Green Mod (63–102)

COLLECTOR COMMENTS (103–142)

LAB COMMENTS (150–199)

RECORD CODE L P C S M 0 2 TRANS CODE A (COLUMNS 9-29 FNM ABOVE)

	FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER (30–34)	Remarks (35)	Replicate (36)	< OR > (37)	VALUE (38–47)
Q	TEMP OF WATER (unfiltered F)	00011				63.500
Q	SPEC COND (unfiltered umhos)	00094				30100.000
Q	pH (unfiltered units)	00400				6.570
Q	ELEV OF GW SURF (ft ref MSL)	71993				NA
Q	DEPTH OF WATER (ft below LS)	72019				74.9
A	BTM WELL ELEV (ft ref MSL)	72020				NA
Q	DEPTH TO WATER FR MEA PT (ft)	72109				NA

IL 532 3213
LPC 160 01/90

This agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1004 and 1021. Disclosure of this information is required. Failure to do so so may result in a civil penalty up to $25,000 for each day the failure continues a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

*Only Keypunch with Data in Columns 35 or Columns 38-47

RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L316 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	2,3,7,8-TCDD	ug/L	30 34	35	36	< 37	0.0050 38 47
Q	Silver	ug/L	01077			<	50
Q	Aluminum	ug/L	01105				14000
Q	Arsenic	ug/L	01002				37
Q	Boron	ug/L	01022				10000
Q	Barium	ug/L	01007				390
Q	Beryllium	ug/L	01012			<	10
Q	Calcium	ug/L	00916				920000
Q	Cadmium	ug/L	01027				150
Q	Cobalt	ug/L	01037				89
Q	Chromium	ug/L	01034				140
Q	Copper	ug/L	01042			<	100
Q	Iron	ug/L	74010				440000
Q	Tritium	pCi/mL	82126			<	0.70
Q	Mercury	ug/L	71900				0.24
Q	Potassium	ug/L	00937				2000000
Q	Magnesium	ug/L	00927				700000
Q	Manganese	ug/L	01055				10000
Q	Sodium	ug/L	00929				3900000
Q	Nickel	ug/L	01067				430
Q	Lead	ug/L	01051				130
Q	Antimony	ug/L	01097			<	100
Q	Selenium	ug/L	01147			<	30
Q	Tin	ug/L	01102				390
Q	Thallium	ug/L	01059			<	100
Q	Vanadium	ug/L	01087			<	50
Q	Zinc	ug/L	01092				48000

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IL 532 3213
LPC 160 1790 (CONT)

RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L316 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Aroclor 1016	ug/L	34671 (30–34)	(35)	(36)	< (37)	10 (38–47)
Q	Aroclor 1221	ug/L	39488			<	10
Q	Aroclor 1232	ug/L	39492			<	10
Q	Aroclor 1242	ug/L	39496			<	10
Q	Aroclor 1248	ug/L	39500			<	10
Q	Aroclor 1254	ug/L	39504			<	10
Q	Aroclor 1260	ug/L	39508			<	10
Q	delta-BHC	ug/L	34259			<	0.50
Q	Endosulfan sulfate	ug/L	34351			<	1.0
Q	Endosulfan II	ug/L	34356			<	1.0
Q	Endosulfan I	ug/L	34361			<	0.50
Q	Endrin aldehyde	ug/L	34366			<	1.0
Q	4,4'-DDT	ug/L	39300			<	1.0
Q	4,4'-DDD	ug/L	39310			<	1.0
Q	4,4'-DDE	ug/L	39320			<	1.0
Q	Aldrin	ug/L	39330			<	0.50
Q	alpha BHC	ug/L	39337			<	0.50
Q	beta-BHC	ug/L	39338			<	0.50
Q	gamma-BHC (Lindane)	ug/L	39341			<	0.50
Q	Chlordane, technical	ug/L	39350			<	10
Q	Dieldrin	ug/L	39380			<	1.0
Q	Endrin	ug/L	39390			<	1.0
Q	Toxaphene	ug/L	39400			<	50
Q	Heptachlor	ug/L	39410			<	0.50
Q	Heptachlor epoxide	ug/L	39420			<	0.50
Q	Methoxychlor	ug/L	39480			<	5.0
Q	Acenaphthene	ug/L	34205			<	500

All analytical procedures must be performed in accordance with the methods contained in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods," SW-846, 3rd Edition, September 1986 or equivalent methods approved by the Agency. Proper sample chain of custody control and quality assurance/quality control procedures must be maintained in accordance with the facility sampling and analysis plan.

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IL 532 3213
LPC 160 1790 (CONT)

RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L316 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Anthracene	ug/L	34220 (30–34)	(35)	(36)	< (37)	500 (38–47)
Q	Benzo(b)fluoranthene	ug/L	34230			<	500
Q	Benzo(k)fluoranthene	ug/L	34242			<	500
Q	Benzo(a)pyrene	ug/L	34247			<	500
Q	bis(2-Chloroethyl)ether	ug/L	34273			<	500
Q	bis(2-Chloroethoxy)methane	ug/L	34278			<	500
Q	Butylbenzylphthalate	ug/L	34292			<	500
Q	Chrysene	ug/L	34320			<	500
Q	Diethylphthalate	ug/L	34336				310
Q	Dimethylphthalate	ug/L	34341			<	500
Q	Fluoranthene	ug/L	34376			<	500
Q	Fluorene	ug/L	34381			<	500
Q	Hexachlorocyclopentadiene	ug/L	34386			<	500
Q	Hexachlorobutadiene	ug/L	34391			<	500
Q	Hexachloroethane	ug/L	34396			<	500
Q	Indeno(1,2,3-cd)pyrene	ug/L	34403			<	500
Q	N-Nitroso-di-n-propylamine	ug/L	34428			<	500
Q	N-Nitrosodiphenylamine	ug/L	34433			<	500
Q	N-Nitrosodimethylamine	ug/L	34438			<	500
Q	Nitrobenzene	ug/L	34447			<	500
Q	Phenanthrene	ug/L	34461			<	500
Q	Pyrene	ug/L	34469			<	500
Q	Benzo(g,h,i)perylene	ug/L	34521			<	500
Q	Benzo(a)anthracene	ug/L	34526			<	500
Q	Dibenzo(a,h)anthracene	ug/L	34556			<	500
Q	2-Chloronaphthalene	ug/L	34581			<	500
Q	2-Chlorophenol	ug/L	34586			<	500

All analytical procedures must be performed in accordance with the methods contained in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods," SW-846, 3rd Edition, September 1986 or equivalent methods approved by the Agency. Proper sample chain of custody control and quality assurance/quality control procedures must be maintained in accordance with the facility sampling and analysis plan.

IL 532 3213

*Only Keypunch with Data in Column 35 or Columns 38-47

LPC 160 1790 (CONT)

RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L316 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	2-Nitrophenol	ug/L	34591 (30–34)	(35)	(36)	< (37)	500 (38–47)
Q	Di-n-octylphthalate	ug/L	34596			<	500
Q	2,4-Dichlorophenol	ug/L	34601			<	500
Q	2,4-Dimethylphenol	ug/L	34606			<	500
Q	2,4-Dinitrotoluene	ug/L	34611			<	500
Q	2,4-Dinitrophenol	ug/L	34616			<	1300
Q	2,4,6-Trichlorophenol	ug/L	34621			<	500
Q	2,6-Dinitrotoluene	ug/L	34626			<	500
Q	3,3-Dichlorobenzidine	ug/L	34631			<	500
Q	4-Bromophenyl phenyl ether	ug/L	34636			<	500
Q	4-Chlorophenyl phenyl ether	ug/L	34641			<	500
Q	4-Nitrophenol	ug/L	34646			<	1300
Q	Naphthalene	ug/L	34696			<	500
Q	Pentachlorophenol	ug/L	39032			<	1300
Q	bis(2-Ethylhexyl)phthalate	ug/L	39100			<	500
Q	Di-n-butylphthalate	ug/L	39110			<	500
Q	Hexachlorobenzene	ug/L	39700			<	500
Q	4-Methylphenol	ug/L	77146				28000
Q	4,6-Dinitro-2-methylphenol	ug/L	79533			<	1300
Q	Bromodichloromethane	ug/L	32101			<	100
Q	Carbon tetrachloride	ug/L	32102			<	100
Q	1,2-Dichloroethane	ug/L	32103			<	100
Q	Bromoform	ug/L	32104			<	100
Q	Chloroform	ug/L	32106			<	100
Q	Toluene	ug/L	34010				150
Q	Benzene	ug/L	34030			<	100
Q	Chlorobenzene	ug/L	34301			<	100

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*Only Keypunch with Data in Column 35 or Columns 38-47

RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L316 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Chlorodibromomethane	ug/L	34306 (30–34)	(35)	(36)	< (37)	100 (38–47)
Q	Chloroethane	ug/L	34311			<	200
Q	Bromomethane	ug/L	34413			<	200
Q	Chloromethane	ug/L	34418			<	200
Q	Methylene chloride	ug/L	34423			<	100
Q	Tetrachloroethene	ug/L	34475			<	100
Q	Fluorotrichloromethane	ug/L	34488			<	200
Q	1,1-Dichloroethane	ug/L	34496			<	100
Q	1,1-Dichloroethene	ug/L	34501			<	100
Q	1,1,1-Trichloroethane	ug/L	34506			<	100
Q	1,1,2-Trichloroethane	ug/L	34511			<	100
Q	1,1,2,2-Tetrachloroethane	ug/L	34516			<	100
Q	1,2-Dichlorobenzene	ug/L	34536			<	100
Q	1,2-Dichloropropane	ug/L	34541			<	100
Q	trans-1,2-Dichloroethene	ug/L	34546			<	100
Q	1,2,4-Trichlorobenzene	ug/L	34551			<	100
Q	1,3-Dichlorobenzene	ug/L	34566			<	100
Q	1,4-Dichlorobenzene	ug/L	34571			<	100
Q	2-Chloroethylvinylether	ug/L	34576			<	500
Q	Dichlorodifluoromethane	ug/L	34668			<	200
Q	trans-1,3-Dichloropropene	ug/L	34699			<	100
Q	cis-1,3-Dichloropropene	ug/L	34704			<	100
Q	1,2-Dibromo-3-chloropropane	ug/L	38437			<	200
Q	Vinyl chloride	ug/L	39175			<	200
Q	Trichloroethene	ug/L	39180			<	100
Q	n-Butanol	ug/L	45265			<	10000
Q	trans-1,4-Dichloro-2-b	ug/L	73547			<	500

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*Only Keypunch with Data in Column 35 or Columns 38-47

IL 532 3213
LPC 160 1790 (CONT)

RECORD CODE | L | P | C | S | M | | 2 |
1 7

TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001
9 18

MONITOR POINT NUMBER L316
19 22

CO. Winnebago

DATE COLLECTED 4/14/99
23MDY28

PAGEL NORTH UNIT LEACHATE
FACILITY NAME

LAB _____
29

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Isopropyl alcohol	ug/L	77015 30 34	35	36	< 37	500000 38 47
Q	1-Propanol	ug/L	77018			<	10000
Q	Carbon disulfide	ug/L	77041			<	100
Q	Vinyl acetate	ug/L	77057			<	100
Q	cis-1,2-Dichloroethene	ug/L	77093			<	100
Q	2-Hexanone	ug/L	77103			<	500
Q	Styrene	ug/L	77128			<	100
Q	1,1-Dichloropropene	ug/L	77168			<	100
Q	2,2-Dichloropropane	ug/L	77170			<	100
Q	1,3-Dichloropropane	ug/L	77173			<	100
Q	1,2,4-Trimethylbenzene	ug/L	77222			<	100
Q	Isopropylbenzene	ug/L	77223			<	100
Q	n-Propylbenzene	ug/L	77224			<	100
Q	1,3,5-Trimethylbenzene	ug/L	77226			<	100
Q	2-Chlorotoluene	ug/L	77275			<	100
Q	4-Chlorotoluene	ug/L	77277			<	100
Q	Bromochloromethane	ug/L	77297			<	100
Q	n-Butylbenzene	ug/L	77342			<	100
Q	s-Butylbenzene	ug/L	77350			<	100
Q	t-Butylbenzene	ug/L	77353			<	100
Q	p-Isopropyltoluene	ug/L	77356			<	100
Q	Iodomethane	ug/L	77424			<	500
Q	1,2,3-Trichloropropane	ug/L	77443			<	100
Q	1,1,1,2-Tetrachloroethane	ug/L	77562			<	100
Q	Dibromomethane	ug/L	77596			<	100
Q	1,2,3-Trichlorobenzene	ug/L	77613			<	100
Q	1,2-Dibromoethane	ug/L	77651			<	100

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*Only Keypunch with Data in Column 35 or Columns 38-47

RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L316 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Ethylbenzene	ug/L	78113 (30–34)	(35)	(36)	< (37)	100 (38–47)
Q	4-Methyl-2-pentanone	ug/L	78133			<	500
Q	Xylene, total	ug/L	81551			<	200
Q	Acetone	ug/L	81552				35000
Q	Bromobenzene	ug/L	81555			<	100
Q	Ethyl acetate	ug/L	81585			<	500
Q	2-Butanone	ug/L	81595				61000
Q	Tetrahydrofuran	ug/L	81607				580
Q	Carbonate Alkalinity	mg/L				<	200
Q	Bicarbonate Alkalinity	mg/L	—				8400
Q	Total Alkalinity	mg/L	00410				8400
Q	BOD	mg/L	00310				13000
Q	Chloride	mg/L	00940				2700
Q	Cyanide, total	mg/L	00720			<	0.010
Q	COD	mg/L	00340				29000
Q	COLIFORM	CFU/100	74055			<	100
Q	Chromium, Hexavalent	ug/L	01032			<	50000
Q	Fluoride	mg/L	00951				9.8
Q	Nitrogen, ammonia	mg/L	00610				1800
Q	Nitrogen, nitrate	mg/L	00620			<	4.0
Q	Oil & Grease, total recoverable	mg/L	00556				72
Q	Phenolics, total recoverable	ug/L	34043				5400
Q	Sulfate	mg/L	00945			<	40
Q	Solids, total dissolved	mg/L	70295				9400
Q	TOC as NPOC	mg/L	00680				8900
Q	Phosphorus, total	mg/L	00650				1.1
Q	Solids, total suspende	mg/L	00150				700

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*Only Keypunch with Data in Column 35 or Columns 38-47

RECORD CODE L P C S M 2 (1–7) TRANS CODE A

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L316 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE LAB _____ (29)
FACILITY NAME

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Atrazine ug/L	39033 (30–34)	(35)	(36)	(37)	14 (38–47)
Q	Parathion ug/L	39540			<	1.0
Q	Alachlor ug/L	46317			<	2.0
Q	2,4-D ug/L	39730				55
Q	2,4,5-TP (Silvex) ug/L	39760			<	5.0
Q	Aldicarb ug/L	39053				9.0
Q	Carbofuran ug/L	81405				440

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*Only Keypunch with Data in Column 35 or Columns 38–47

IL 532 3213
LPC 160 1790 (CONT)

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

RECORD CODE: L P C S M 0 1 (7)

TRANS CODE: A (8)

REPORT DUE DATE 7/15/99 (36MDY41)

FEDERAL ID NUMBER

SITE INVENTORY NUMBER 2018080001 (9–18)

MONITOR POINT NUMBER (see Instructions) L314 (19–22)

REGION N CO. Winnebago

DATE COLLECTED 4/14/99 (23MDY28)

FACILITY NAME PAGEL LANDFILL NORTH UNIT GROUNDWATER

FOR IEPA USE ONLY
LAB (29)
DATE RECEIVED / / (42MDY47)

BACKGROUND SAMPLE (X) (54)

TIME COLLECTED (24 Hr. Clock) 11:25 (55HM58)

UNABLE TO COLLECT SAMPLE (59)

MONITOR POINT SAMPLED BY F (60)

OTHER (SPECIFY)

SAMPLE FIELD FILTERED-INORGANICS (X) (61)

ORGANICS (X)

SAMPLE APPEARANCE Spicy Brown Mod (63–102)

COLLECTOR COMMENTS (103–142)

LAB COMMENTS (150–199)

RECORD CODE L P C S M 0 2 TRANS CODE A (COLUMNS 9-29 FNM ABOVE)

	FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER (30–34)	Remarks (35)	Replicate (36)	< OR > (37)	VALUE (38–47)
Q	TEMP OF WATER (unfiltered F)	00011				66.200
Q	SPEC COND (unfiltered umhos)	00094				24800.000
Q	pH (unfiltered units)	00400				7.270
Q	ELEV OF GW SURF (ft ref MSL)	71993				NA
Q	DEPTH OF WATER (ft below LS)	72019				57.28
A	BTM WELL ELEV (ft ref MSL)	72020				NA
Q	DEPTH TO WATER FR MEA PT (ft)	72109				NA

IL 532 3213
LPC 160 01/90

This agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1004 and 1021. Disclosure of this information is required. Failure to do so so may result in a civil penalty up to $25,000 for each day the failure continues a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

*Only Keypunch with Data in Columns 35 or Columns 38-47

RECORD CODE | L | P | C | S | M | | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L314 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE LAB _____ (29)
FACILITY NAME

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	2,3,7,8-TCDD	ug/L	30 34	35	36	< 37	0.0050 38 47
Q	Silver	ug/L	01077			<	50
Q	Aluminum	ug/L	01105				11000
Q	Arsenic	ug/L	01002			<	30
Q	Boron	ug/L	01022				5100
Q	Barium	ug/L	01007				560
Q	Beryllium	ug/L	01012			<	10
Q	Calcium	ug/L	00916				210000
Q	Cadmium	ug/L	01027				39
Q	Cobalt	ug/L	01037				88
Q	Chromium	ug/L	01034				390
Q	Copper	ug/L	01042				330
Q	Iron	ug/L	74010				23000
Q	Tritium	pCi/mL	82126				0.76
Q	Mercury	ug/L	71900				0.24
Q	Potassium	ug/L	00937				1400000
Q	Magnesium	ug/L	00927				210000
Q	Manganese	ug/L	01055				540
Q	Sodium	ug/L	00929				2100000
Q	Nickel	ug/L	01067				640
Q	Lead	ug/L	01051				190
Q	Antimony	ug/L	01097			<	100
Q	Selenium	ug/L	01147			<	30
Q	Tin	ug/L	01102				240
Q	Thallium	ug/L	01059			<	100
Q	Vanadium	ug/L	01087			<	50
Q	Zinc	ug/L	01092				1100

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IL 532 3213
LPC 160 1790 (CONT)

RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L314 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE LAB _____ (29)

FACILITY NAME

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Aroclor 1016	ug/L	34671 (30–34)	(35)	(36)	< (37)	10 (38–47)
Q	Aroclor 1221	ug/L	39488			<	10
Q	Aroclor 1232	ug/L	39492			<	10
Q	Aroclor 1242	ug/L	39496			<	10
Q	Aroclor 1248	ug/L	39500			<	10
Q	Aroclor 1254	ug/L	39504			<	10
Q	Aroclor 1260	ug/L	39508			<	10
Q	delta-BHC	ug/L	34259			<	0.50
Q	Endosulfan sulfate	ug/L	34351			<	1.0
Q	Endosulfan II	ug/L	34356			<	1.0
Q	Endosulfan I	ug/L	34361			<	0.50
Q	Endrin aldehyde	ug/L	34366			<	1.0
Q	4,4'-DDT	ug/L	39300			<	1.0
Q	4,4'-DDD	ug/L	39310			<	1.0
Q	4,4'-DDE	ug/L	39320			<	1.0
Q	Aldrin	ug/L	39330			<	0.50
Q	alpha BHC	ug/L	39337			<	0.50
Q	beta-BHC	ug/L	39338			<	0.50
Q	gamma-BHC (Lindane)	ug/L	39341			<	0.50
Q	Chlordane, technical	ug/L	39350			<	10
Q	Dieldrin	ug/L	39380			<	1.0
Q	Endrin	ug/L	39390			<	1.0
Q	Toxaphene	ug/L	39400			<	50
Q	Heptachlor	ug/L	39410			<	0.50
Q	Heptachlor epoxide	ug/L	39420			<	0.50
Q	Methoxychlor	ug/L	39480			<	5.0
Q	Acenaphthene	ug/L	34205			<	500

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RECORD CODE | L | P | C | S | M | | 2 |
1 7

TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001
9 18

MONITOR POINT NUMBER L314
19 22

CO. Winnebago

DATE COLLECTED 4/14/99
23MDY28

PAGEL NORTH UNIT LEACHATE
FACILITY NAME

LAB _____
29

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Anthracene	ug/L	34220 (30 34)	(35)	(36)	< (37)	500 (38 47)
Q	Benzo(b)fluoranthene	ug/L	34230			<	500
Q	Benzo(k)fluoranthene	ug/L	34242			<	500
Q	Benzo(a)pyrene	ug/L	34247			<	500
Q	bis(2-Chloroethyl)ether	ug/L	34273			<	500
Q	bis(2-Chloroethoxy)methane	ug/L	34278			<	500
Q	Butylbenzylphthalate	ug/L	34292			<	500
Q	Chrysene	ug/L	34320			<	500
Q	Diethylphthalate	ug/L	34336			<	500
Q	Dimethylphthalate	ug/L	34341			<	500
Q	Fluoranthene	ug/L	34376			<	500
Q	Fluorene	ug/L	34381			<	500
Q	Hexachlorocyclopentadiene	ug/L	34386			<	500
Q	Hexachlorobutadiene	ug/L	34391			<	500
Q	Hexachloroethane	ug/L	34396			<	500
Q	Indeno(1,2,3-cd)pyrene	ug/L	34403			<	500
Q	N-Nitroso-di-n-propylamine	ug/L	34428			<	500
Q	N-Nitrosodiphenylamine	ug/L	34433			<	500
Q	N-Nitrosodimethylamine	ug/L	34438			<	500
Q	Nitrobenzene	ug/L	34447			<	500
Q	Phenanthrene	ug/L	34461			<	500
Q	Pyrene	ug/L	34469			<	500
Q	Benzo(g,h,i)perylene	ug/L	34521			<	500
Q	Benzo(a)anthracene	ug/L	34526			<	500
Q	Dibenzo(a,h)anthracene	ug/L	34556			<	500
Q	2-Chloronaphthalene	ug/L	34581			<	500
Q	2-Chlorophenol	ug/L	34586			<	500

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IL 532 3213
LPC 160 1790 (CONT)

*Only Keypunch with Data in Column 35 or Columns 38-47

RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L314 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	2-Nitrophenol	ug/L	34591 (30–34)	(35)	(36)	< (37)	500 (38–47)
Q	Di-n-octylphthalate	ug/L	34596			<	500
Q	2,4-Dichlorophenol	ug/L	34601			<	500
Q	2,4-Dimethylphenol	ug/L	34606				220
Q	2,4-Dinitrotoluene	ug/L	34611			<	500
Q	2,4-Dinitrophenol	ug/L	34616			<	1300
Q	2,4,6-Trichlorophenol	ug/L	34621			<	500
Q	2,6-Dinitrotoluene	ug/L	34626			<	500
Q	3,3-Dichlorobenzidine	ug/L	34631			<	500
Q	4-Bromophenyl phenyl ether	ug/L	34636			<	500
Q	4-Chlorophenyl phenyl ether	ug/L	34641			<	500
Q	4-Nitrophenol	ug/L	34646			<	1300
Q	Naphthalene	ug/L	34696			<	500
Q	Pentachlorophenol	ug/L	39032			<	1300
Q	bis(2-Ethylhexyl)phthalate	ug/L	39100			<	500
Q	Di-n-butylphthalate	ug/L	39110			<	500
Q	Hexachlorobenzene	ug/L	39700			<	500
Q	4-Methylphenol	ug/L	77146			<	500
Q	4,6-Dinitro-2-methylphenol	ug/L	79533			<	1300
Q	Bromodichloromethane	ug/L	32101			<	25
Q	Carbon tetrachloride	ug/L	32102			<	25
Q	1,2-Dichloroethane	ug/L	32103			<	25
Q	Bromoform	ug/L	32104			<	25
Q	Chloroform	ug/L	32106			<	25
Q	Toluene	ug/L	34010				110
Q	Benzene	ug/L	34030			<	25
Q	Chlorobenzene	ug/L	34301			<	25

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*Only Keypunch with Data in Column 35 or Columns 38-47

RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L314 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE LAB _____ (29)

FACILITY NAME

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Chlorodibromomethane	ug/L	34306 (30–34)	(35)	(36)	< (37)	25 (38–47)
Q	Chloroethane	ug/L	34311			<	50
Q	Bromomethane	ug/L	34413			<	50
Q	Chloromethane	ug/L	34418			<	50
Q	Methylene chloride	ug/L	34423				26
Q	Tetrachloroethene	ug/L	34475			<	25
Q	Fluorotrichloromethane	ug/L	34488			<	50
Q	1,1-Dichloroethane	ug/L	34496			<	25
Q	1,1-Dichloroethene	ug/L	34501			<	25
Q	1,1,1-Trichloroethane	ug/L	34506			<	25
Q	1,1,2-Trichloroethane	ug/L	34511			<	25
Q	1,1,2,2-Tetrachloroethane	ug/L	34516			<	25
Q	1,2-Dichlorobenzene	ug/L	34536			<	25
Q	1,2-Dichloropropane	ug/L	34541			<	25
Q	trans-1,2-Dichloroethene	ug/L	34546			<	25
Q	1,2,4-Trichlorobenzene	ug/L	34551			<	25
Q	1,3-Dichlorobenzene	ug/L	34566			<	25
Q	1,4-Dichlorobenzene	ug/L	34571			<	25
Q	2-Chloroethylvinylether	ug/L	34576			<	130
Q	Dichlorodifluoromethane	ug/L	34668			<	50
Q	trans-1,3-Dichloropropene	ug/L	34699			<	25
Q	cis-1,3-Dichloropropene	ug/L	34704			<	25
Q	1,2-Dibromo-3-chloropropane	ug/L	38437			<	50
Q	Vinyl chloride	ug/L	39175			<	50
Q	Trichloroethene	ug/L	39180			<	25
Q	n-Butanol	ug/L	45265			<	2500
Q	trans-1,4-Dichloro-2-b	ug/L	73547			<	130

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*Only Keypunch with Data in Column 35 or Columns 38-47

RECORD CODE | L | P | C | S | M | | 2 |
1 7

TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001
9 18

MONITOR POINT NUMBER L314
19 22

CO. Winnebago

DATE COLLECTED 4/14/99
23MDY28

PAGEL NORTH UNIT LEACHATE
FACILITY NAME

LAB _____
29

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Isopropyl alcohol	ug/L	77015 30 34	35	36	< 37	25000 38 47
Q	1-Propanol	ug/L	77018			<	2500
Q	Carbon disulfide	ug/L	77041			<	25
Q	Vinyl acetate	ug/L	77057			<	25
Q	cis-1,2-Dichloroethene	ug/L	77093			<	25
Q	2-Hexanone	ug/L	77103			<	130
Q	Styrene	ug/L	77128			<	25
Q	1,1-Dichloropropene	ug/L	77168			<	25
Q	2,2-Dichloropropane	ug/L	77170			<	25
Q	1,3-Dichloropropane	ug/L	77173			<	25
Q	1,2,4-Trimethylbenzene	ug/L	77222			<	25
Q	Isopropylbenzene	ug/L	77223			<	25
Q	n-Propylbenzene	ug/L	77224			<	25
Q	1,3,5-Trimethylbenzene	ug/L	77226			<	25
Q	2-Chlorotoluene	ug/L	77275			<	25
Q	4-Chlorotoluene	ug/L	77277			<	25
Q	Bromochloromethane	ug/L	77297			<	25
Q	n-Butylbenzene	ug/L	77342			<	25
Q	s-Butylbenzene	ug/L	77350			<	25
Q	t-Butylbenzene	ug/L	77353			<	25
Q	p-Isopropyltoluene	ug/L	77356			<	25
Q	Iodomethane	ug/L	77424			<	130
Q	1,2,3-Trichloropropane	ug/L	77443			<	25
Q	1,1,1,2-Tetrachloroethane	ug/L	77562			<	25
Q	Dibromomethane	ug/L	77596			<	25
Q	1,2,3-Trichlorobenzene	ug/L	77613			<	25
Q	1,2-Dibromoethane	ug/L	77651			<	25

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RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L314 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Ethylbenzene	ug/L	78113 (30–34)	(35)	(36)	(37)	48 (38–47)
Q	4-Methyl-2-pentanone	ug/L	78133			<	130
Q	Xylene, total	ug/L	81551				92
Q	Acetone	ug/L	81552			<	130
Q	Bromobenzene	ug/L	81555			<	25
Q	Ethyl acetate	ug/L	81585			<	130
Q	2-Butanone	ug/L	81595			<	130
Q	Tetrahydrofuran	ug/L	81607				840
Q	Carbonate Alkalinity	mg/L				<	200
Q	Bicarbonate Alkalinity	mg/L	—				6700
Q	Total Alkalinity	mg/L	00410				6700
Q	BOD	mg/L	00310				239
Q	Chloride	mg/L	00940				4900
Q	Cyanide, total	mg/L	00720			<	0.010
Q	COD	mg/L	00340				2500
Q	COLIFORM	CFU/100	74055			<	100
Q	Chromium, Hexavalent	ug/L	01032			<	25000
Q	Fluoride	mg/L	00951				40
Q	Nitrogen, ammonia	mg/L	00610				2300
Q	Nitrogen, nitrate	mg/L	00620				0.082
Q	Oil & Grease, total recoverable	mg/L	00556				12
Q	Phenolics, total recoverable	ug/L	34043				420
Q	Sulfate	mg/L	00945			<	20
Q	Solids, total dissolved	mg/L	70295				24000
Q	TOC as NPOC	mg/L	00680				870
Q	Phosphorus, total	mg/L	00650				2.2
Q	Solids, total suspende	mg/L	00150				390

All analytical procedures must be performed in accordance with the methods contained in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods," SW-846, 3rd Edition, September 1986 or equivalent methods approved by the Agency. Proper sample chain of custody control and quality assurance/quality control procedures must be maintained in accordance with the facility sampling and analysis plan.

*Only Keypunch with Data in Column 35 or Columns 38-47

IL 532 3213
LPC 160 1790 (CONT)

RECORD CODE L P C S M 2 (1–7) TRANS CODE A

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L314 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Atrazine ug/L	39033 (30–34)	(35)	(36)	(37)	5.1 (38–47)
Q	Parathion ug/L	39540			<	1.0
Q	Alachlor ug/L	46317			<	2.0
Q	2,4-D ug/L	39730			<	5.0
Q	2,4,5-TP (Silvex) ug/L	39760			<	5.0
Q	Aldicarb ug/L	39053			<	20
Q	Carbofuran ug/L	81405			<	20

All analytical procedures must be performed in accordance with the methods contained in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods," SW-846, 3rd Edition, September 1986 or equivalent methods approved by the Agency. Proper sample chain of custody control and quality assurance/quality control procedures must be maintained in accordance with the facility sampling and analysis plan.

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ANALYTICAL RESULTS

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Green Bay, WI 54302
920-469-2436 • Fax: 920-469-8827
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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE

Client : WINNEBAGO RECLAMATION SERVI

Project Number : 2018080001

Report Date : 5/27/99

WI DNR LAB ID : 113172950

Lab Sample No.	Field ID	Collection Date	Lab Sample No.	Field ID	Collection Date
991310-001	L313	4/14/99			
991310-002	L315	4/14/99			
991310-003	L316	4/14/99			
991310-004	L314	4/14/99			

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample narrative. Release of this final report is authorized by Laboratory management, as is verified by the following signature.

Betsy Nadelfeld
Approval Signature

5/27/99
Date

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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE
Project Number : 2018080001
Field ID : L313
Lab Sample Number : 991310-001
Lab Project Number : 991310

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 5/27/99
Collection Date : 4/14/99
Matrix Type : LEACHATE
WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Aluminum	17000	500	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Antimony	< 100	100	ug/L	UN,ED	4/27/99	SW846 3015	SW846 6010B
Arsenic	440	30	ug/L	UN	5/8/99	SW846 3015	SW846 7060A
Barium	860	50	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Beryllium	< 10	10	ug/L	UN, ED	4/27/99	SW846 3015	SW846 6010B
Boron	19000	1000	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Cadmium	9.3	3.0	ug/L	UN	5/6/99	SW846 3015	SW846 7131A
Calcium	110000	1000	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Chromium	670	30	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Cobalt	120	30	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Copper	260	100	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Iron	30000	500	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Lead	270	30	ug/L	UN	5/6/99	SW846 3015	SW846 7421
Magnesium	100000	300	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Manganese	500	20	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Mercury	0.61	0.20	ug/L	UN	2/27/99	SW846 7470A	SW846 7470A
Nickel	610	50	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Potassium	950000	2000	ug/L	UN	5/4/99	SW846 3015	SW846 6010B
Selenium	< 30	30	ug/L	UN,ED	5/6/99	SW846 3015	SW846 7740
Silver	< 50	50	ug/L	UN, ED	4/27/99	SW846 3015	SW846 6010B
Sodium	3300000	5000	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Thallium	< 100	100	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Tin	260	200	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Vanadium	82	50	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Zinc	1100	200	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Bicarbonate Alkalinity	10000	200	mg/L		4/20/99	SM 2320B	SM 2320B
BOD	3200	2.0	mg/L	SUB,H	4/18/99	EPA 405.1	EPA 405.1
Carbonate Alkalinity	< 200	200	mg/L	MS	4/20/99	SM 2320B	SM 2320B
Chloride	490	40	mg/L		4/14/99	EPA 300.0	EPA 300.0
Chromium, Hexavalent	< 500	500	ug/L	ED	4/14/99	SW846 7196A	SW846 7196A
COD	12000	1000	mg/L	UN	4/21/99	EPA 410.4	EPA 410.4
COLIFORM	< 100	100	CFU/100	SUB	4/15/99	SM 9222D	SM 9222D
Cyanide, total	0.012	0.010	mg/L	UN	4/30/99	SW846 9012A	SW846 9012A

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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE
Project Number : 2018080001
Field ID : L313
Lab Sample Number : 991310-001
Lab Project Number : 991310

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 5/27/99
Collection Date : 4/14/99
Matrix Type : LEACHATE
WI DNR LAB ID : 113172950

Fluoride	< 2.0	2.0	mg/L	ED	4/14/99	EPA 300.0	EPA 300.0
Nitrogen, ammonia	4000	1000	mg/L	UN	5/5/99	EPA 350.1	EPA 350.1
Nitrogen, nitrate	170	4.0	mg/L		4/14/99	EPA 300.0	EPA 300.0
Oil & Grease, total recoverable	20	5.4	mg/L	UN	5/3/99	EPA 413.1	EPA 413.1
Phenolics, total recoverable	16000	2500	ug/L	UN	5/6/99	EPA 420.2	EPA 420.2
Phosphorus, total	6.0	0.50	mg/L	UN	4/20/99	EPA 365.4	EPA 365.1
Solids, total dissolved	17000	20	mg/L		4/16/99	EPA 160.1	EPA 160.1
Solids, total suspended	570	10	mg/L		4/20/99	EPA 160.2	EPA 160.2
Sulfate	650	40	mg/L		4/14/99	EPA 300.0	EPA 300.0
TOC as NPOC	3600	100	mg/L	UN	5/5/99	EPA 415.1	EPA 415.1
Total Alkalinity	10000	200	mg/L		4/20/99	SM 2320B	SM 2320B
Tritium	3.7	0.70	pCi/mL	SUB	4/27/99		EPA 906.0

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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE
Project Number : 2018080001
Field ID : L315
Lab Sample Number : 991310-002
Lab Project Number : 991310

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 5/27/99
Collection Date : 4/14/99
Matrix Type : LEACHATE
WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Aluminum	700	500	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Antimony	< 100	100	ug/L	UN,ED	4/27/99	SW846 3015	SW846 6010B
Arsenic	330	30	ug/L	UN	5/8/99	SW846 3015	SW846 7060A
Barium	780	50	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Beryllium	< 10	10	ug/L	UN,ED	4/27/99	SW846 3015	SW846 6010B
Boron	18000	1000	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Cadmium	< 3.0	3.0	ug/L	UN	5/6/99	SW846 3015	SW846 7131A
Calcium	48000	1000	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Chromium	500	30	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Cobalt	110	30	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Copper	< 100	100	ug/L	UN, ED	4/27/99	SW846 3015	SW846 6010B
Iron	5400	500	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Lead	34	30	ug/L	UN	5/6/99	SW846 3015	SW846 7421
Magnesium	90000	300	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Manganese	91	20	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Mercury	< 0.20	0.20	ug/L	UN	2/27/99	SW846 7470A	SW846 7470A
Nickel	620	50	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Potassium	990000	2000	ug/L	UN	5/4/99	SW846 3015	SW846 6010B
Selenium	< 30	30	ug/L	ED, UN	5/6/99	SW846 3015	SW846 7740
Silver	< 50	50	ug/L	UN, ED	4/27/99	SW846 3015	SW846 6010B
Sodium	3500000	5000	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Thallium	< 100	100	ug/L	UN, ED	4/27/99	SW846 3015	SW846 6010B
Tin	< 200	200	ug/L	UN, ED	4/27/99	SW846 3015	SW846 6010B
Vanadium	52	50	ug/L	UN, ED	4/27/99	SW846 3015	SW846 6010B
Zinc	660	200	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Bicarbonate Alkalinity	8300	200	mg/L		4/20/99	SM 2320B	SM 2320B
BOD	590	2.0	mg/L	SUB,H	4/18/99	EPA 405.1	EPA 405.1
Carbonate Alkalinity	< 200	200	mg/L		4/20/99	SM 2320B	SM 2320B
Chloride	5100	1000	mg/L		4/19/99	EPA 300.0	EPA 300.0
Chromium, Hexavalent	< 500	500	ug/L	ED	4/14/99	SW846 7196A	SW846 7196A
COD	5900	1000	mg/L	UN	4/21/99	EPA 410.4	EPA 410.4
COLIFORM	< 100	100	CFU/100	SUB	4/15/99	SM 9222D	SM 9222D
Cyanide, total	0.012	0.010	mg/L		4/30/99	SW846 9012A	SW846 9012A

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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE
Project Number : 2018080001
Field ID : L315
Lab Sample Number : 991310-002
Lab Project Number : 991310

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 5/27/99
Collection Date : 4/14/99
Matrix Type : LEACHATE
WI DNR LAB ID : 113172950

Fluoride		32	2.0	mg/L		4/14/99	EPA 300.0	EPA 300.0
Nitrogen, ammonia		3400	1000	mg/L	UN	5/5/99	EPA 350.1	EPA 350.1
Nitrogen, nitrate	<	4.0	4.0	mg/L	ED	4/14/99	EPA 300.0	EPA 300.0
Oil & Grease, total recoverable		13	5.3	mg/L	UN	5/3/99	EPA 413.1	EPA 413.1
Phenolics, total recoverable		1300	250	ug/L	UN	5/6/99	EPA 420.2	EPA 420.2
Phosphorus, total		3.9	0.50	mg/L		4/20/99	EPA 365.4	EPA 365.1
Solids, total dissolved		14000	20	mg/L		4/16/99	EPA 160.1	EPA 160.1
Solids, total suspended		41	10	mg/L		4/20/99	EPA 160.2	EPA 160.2
Sulfate	<	40	40	mg/L	ED	4/14/99	EPA 300.0	EPA 300.0
TOC as NPOC		2300	10	mg/L		5/4/99	EPA 415.1	EPA 415.1
Total Alkalinity		8300	200	mg/L		4/20/99	SM 2320B	SM 2320B
Tritium		1.9	0.70	pCi/mL	SUB	4/27/99		EPA 906.0

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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE
Project Number : 2018080001
Field ID : L316
Lab Sample Number : 991310-003
Lab Project Number : 991310

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 5/27/99
Collection Date : 4/14/99
Matrix Type : LEACHATE
WI DNR LAB ID : 113172950

Inorganic Results

Test		Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Aluminum		14000	500	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Antimony	<	100	100	ug/L	UN, ED	4/27/99	SW846 3015	SW846 6010B
Arsenic		37	30	ug/L	UN	5/8/99	SW846 3015	SW846 7060A
Barium		390	50	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Beryllium	<	10	10	ug/L	UN,ED	4/27/99	SW846 3015	SW846 6010B
Boron		10000	1000	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Cadmium		150	30	ug/L	UN	5/6/99	SW846 3015	SW846 7131A
Calcium		920000	1000	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Chromium		140	30	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Cobalt		89	30	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Copper	<	100	100	ug/L	UN, ED	4/27/99	SW846 3015	SW846 6010B
Iron		440000	500	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Lead		130	30	ug/L	UN	5/6/99	SW846 3015	SW846 7421
Magnesium		700000	300	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Manganese		10000	20	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Mercury		0.24	0.20	ug/L	UN	2/27/99	SW846 7470A	SW846 7470A
Nickel		430	50	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Potassium		2000000	5000	ug/L	UN	5/4/99	SW846 3015	SW846 6010B
Selenium	<	30	30	ug/L	ED, UN	5/6/99	SW846 3015	SW846 7740
Silver	<	50	50	ug/L	UN, ED	4/27/99	SW846 3015	SW846 6010B
Sodium		3900000	5000	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Thallium	<	100	100	ug/L	UN, ED	4/27/99	SW846 3015	SW846 6010B
Tin		390	200	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Vanadium	<	50	50	ug/L	UN, ED	4/27/99	SW846 3015	SW846 6010B
Zinc		48000	200	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Bicarbonate Alkalinity		8400	200	mg/L		4/20/99	SM 2320B	SM 2320B
BOD		13000	2.0	mg/L	SUB,H	4/18/99	EPA 405.1	EPA 405.1
Carbonate Alkalinity	<	200	200	mg/L		4/20/99	SM 2320B	SM 2320B
Chloride		2700	1000	mg/L		4/19/99	EPA 300.0	EPA 300.0
Chromium, Hexavalent	<	50000	50000	ug/L	ED	4/14/99	SW846 7196A	SW846 7196A
COD		29000	5000	mg/L	UN	4/23/99	EPA 410.4	EPA 410.4
COLIFORM	<	100	100	CFU/100	SUB	4/15/99	SM 9222D	SM 9222D
Cyanide, total	<	0.010	0.010	mg/L	UN	4/30/99	SW846 9012A	SW846 9012A

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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE
Project Number : 2018080001
Field ID : L316
Lab Sample Number : 991310-003
Lab Project Number : 991310

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 5/27/99
Collection Date : 4/14/99
Matrix Type : LEACHATE
WI DNR LAB ID : 113172950

Fluoride		9.8	2.0	mg/L		4/14/99	EPA 300.0	EPA 300.0
Nitrogen, ammonia		1800	1000	mg/L	UN	5/5/99	EPA 350.1	EPA 350.1
Nitrogen, nitrate	<	4.0	4.0	mg/L	ED	4/14/99	EPA 300.0	EPA 300.0
Oil & Grease, total recoverable		72	5.0	mg/L	UN	5/4/99	EPA 413.1	EPA 413.1
Phenolics, total recoverable		5400	250	ug/L	UN	5/6/99	EPA 420.2	EPA 420.2
Phosphorus, total		1.1	0.50	mg/L	UN	4/20/99	EPA 365.4	EPA 365.1
Solids, total dissolved		9400	20	mg/L		4/16/99	EPA 160.1	EPA 160.1
Solids, total suspended		700	20	mg/L		4/20/99	EPA 160.2	EPA 160.2
Sulfate	<	40	40	mg/L	ED	4/14/99	EPA 300.0	EPA 300.0
TOC as NPOC		8900	100	mg/L	UN	5/5/99	EPA 415.1	EPA 415.1
Total Alkalinity		8400	200	mg/L		4/20/99	SM 2320B	SM 2320B
Tritium	<	0.70	0.70	pCi/mL	SUB	4/30/99		EPA 906.0

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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE
Project Number : 2018080001
Field ID : L314
Lab Sample Number : 991310-004
Lab Project Number : 991310

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 5/27/99
Collection Date : 4/14/99
Matrix Type : LEACHATE
WI DNR LAB ID : 113172950

Inorganic Results

Test		Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Aluminum		11000	500	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Antimony	<	100	100	ug/L	UN, ED	4/27/99	SW846 3015	SW846 6010B
Arsenic	<	30	30	ug/L	UN,ED	5/8/99	SW846 3015	SW846 7060A
Barium		560	50	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Beryllium	<	10	10	ug/L	UN, ED	4/27/99	SW846 3015	SW846 6010B
Boron		5100	1000	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Cadmium		39	3.0	ug/L	UN	5/6/99	SW846 3015	SW846 7131A
Calcium		210000	1000	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Chromium		390	30	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Cobalt		88	30	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Copper		330	100	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Iron		23000	1000	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Lead		190	30	ug/L	UN	5/6/99	SW846 3015	SW846 7421
Magnesium		210000	300	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Manganese		540	20	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Mercury		0.24	0.20	ug/L	UN	2/27/99	SW846 7470A	SW846 7470A
Nickel		640	50	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Potassium		1400000	5000	ug/L	UN	5/4/99	SW846 3015	SW846 6010B
Selenium	<	30	30	ug/L	ED, UN	5/6/99	SW846 3015	SW846 7740
Silver	<	50	50	ug/L	UN, ED	4/27/99	SW846 3015	SW846 6010B
Sodium		2100000	5000	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Thallium	<	100	100	ug/L	UN,ED	4/27/99	SW846 3015	SW846 6010B
Tin		240	200	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Vanadium	<	50	50	ug/L	UN, ED	4/27/99	SW846 3015	SW846 6010B
Zinc		1100	200	ug/L	UN	4/27/99	SW846 3015	SW846 6010B
Bicarbonate Alkalinity		6700	200	mg/L		4/20/99	SM 2320B	SM 2320B
BOD		239	2.00	mg/L	SUB	4/20/99	SM 5210	SM 5210
Carbonate Alkalinity	<	200	200	mg/L		4/20/99	SM 2320B	SM 2320B
Chloride		4900	400	mg/L		4/24/99	EPA 300.0	EPA 300.0
Chromium, Hexavalent	<	25000	25000	ug/L		4/15/99	SW846 7196A	SW846 7196A
COD		2500	1000	mg/L	UN	4/21/99	EPA 410.4	EPA 410.4
COLIFORM	<	100	100	CFU/100	SUB	4/15/99	SM 9222D	SM 9222D
Cyanide, total	<	0.010	0.010	mg/L	UN	4/30/99	SW846 9012A	SW846 9012A

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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE
Project Number : 2018080001
Field ID : L314
Lab Sample Number : 991310-004
Lab Project Number : 991310

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 5/27/99
Collection Date : 4/14/99
Matrix Type : LEACHATE
WI DNR LAB ID : 113172950

Fluoride	40	10	mg/L		4/22/99	EPA 300.0	EPA 300.0
Nitrogen, ammonia	2300	1000	mg/L	UN	5/5/99	EPA 350.1	EPA 350.1
Nitrogen, nitrate	0.082	0.050	mg/L		5/5/99	EPA 353.2	EPA 353.2
Oil & Grease, total recoverable	12	5.6	mg/L	UN	5/4/99	EPA 413.1	EPA 413.1
Phenolics, total recoverable	420	250	ug/L	UN	5/6/99	EPA 420.2	EPA 420.2
Phosphorus, total	2.2	0.50	mg/L	UN	4/20/99	EPA 365.4	EPA 365.1
Solids, total dissolved	24000	20	mg/L		4/16/99	EPA 160.1	EPA 160.1
Solids, total suspended	390	17	mg/L		4/16/99	EPA 160.2	EPA 160.2
Sulfate	< 20	20	mg/L	ED	4/25/99	EPA 300.0	EPA 300.0
TOC as NPOC	870	10	mg/L	UN	5/4/99	EPA 415.1	EPA 415.1
Total Alkalinity	6700	200	mg/L		4/20/99	SM 2320B	SM 2320B
Tritium	0.76	0.70	pCi/mL	SUB	4/28/99		EPA 906.0

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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE
Project Number : 2018080001
Field ID : L313
Lab Sample Number : 991310-001
Lab Project Number : 991310

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 5/27/99
Collection Date : 4/14/99
Matrix Type : LEACHATE
WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL SEMI-VOLATILE LIST — Prep Method: SW846 3510 — Prep Date: 4/21/99

Analyte		Result	EQL	Units	Code	Analysis Date	Analysis Method
2,4,6-Trichlorophenol	<	500	500	ug/L		4/30/99	SW846 8270
2,4-Dichlorophenol	<	500	500	ug/L		4/30/99	SW846 8270
2,4-Dimethylphenol		96	500	ug/L		4/30/99	SW846 8270
2,4-Dinitrophenol	<	1300	1300	ug/L		4/30/99	SW846 8270
2,4-Dinitrotoluene	<	500	500	ug/L		4/30/99	SW846 8270
2,6-Dinitrotoluene	<	500	500	ug/L		4/30/99	SW846 8270
2-Chloronaphthalene	<	500	500	ug/L		4/30/99	SW846 8270
2-Chlorophenol	<	500	500	ug/L		4/30/99	SW846 8270
2-Nitrophenol	<	500	500	ug/L		4/30/99	SW846 8270
3,3-Dichlorobenzidine	<	500	500	ug/L		4/30/99	SW846 8270
4,6-Dinitro-2-methylphenol	<	1300	1300	ug/L		4/30/99	SW846 8270
4-Bromophenyl phenyl ether	<	500	500	ug/L		4/30/99	SW846 8270
4-Chlorophenyl phenyl ether	<	500	500	ug/L		4/30/99	SW846 8270
4-Methylphenol		7500	500	ug/L		4/30/99	SW846 8270
4-Nitrophenol	<	1300	1300	ug/L		4/30/99	SW846 8270
Acenaphthene	<	500	500	ug/L		4/30/99	SW846 8270
Anthracene	<	500	500	ug/L		4/30/99	SW846 8270
Benzo(a)anthracene	<	500	500	ug/L		4/30/99	SW846 8270
Benzo(a)pyrene	<	500	500	ug/L		4/30/99	SW846 8270
Benzo(b)fluoranthene	<	500	500	ug/L		4/30/99	SW846 8270
Benzo(g,h,i)perylene	<	500	500	ug/L		4/30/99	SW846 8270
Benzo(k)fluoranthene	<	500	500	ug/L		4/30/99	SW846 8270
bis(2-Chloroethoxy)methane	<	500	500	ug/L		4/30/99	SW846 8270
bis(2-Chloroethyl)ether	<	500	500	ug/L		4/30/99	SW846 8270
bis(2-Ethylhexyl)phthalate	<	500	500	ug/L		4/30/99	SW846 8270
Butylbenzylphthalate	<	500	500	ug/L		4/30/99	SW846 8270
Chrysene	<	500	500	ug/L		4/30/99	SW846 8270
Di-n-butylphthalate	<	500	500	ug/L		4/30/99	SW846 8270
Di-n-octylphthalate	<	500	500	ug/L		4/30/99	SW846 8270
Dibenzo(a,h)anthracene	<	500	500	ug/L		4/30/99	SW846 8270
Diethylphthalate	<	500	500	ug/L		4/30/99	SW846 8270

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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE
Project Number : 2018080001
Field ID : L313
Lab Sample Number : 991310-001
Lab Project Number : 991310

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 5/27/99
Collection Date : 4/14/99
Matrix Type : LEACHATE
WI DNR LAB ID : 113172950

Dimethylphthalate	<	500	500	ug/L	4/30/99	SW846 8270
Fluoranthene	<	500	500	ug/L	4/30/99	SW846 8270
Fluorene	<	500	500	ug/L	4/30/99	SW846 8270
Hexachlorobenzene	<	500	500	ug/L	4/30/99	SW846 8270
Hexachlorobutadiene	<	500	500	ug/L	4/30/99	SW846 8270
Hexachlorocyclopentadiene	<	500	500	ug/L	4/30/99	SW846 8270
Hexachloroethane	<	500	500	ug/L	4/30/99	SW846 8270
Indeno(1,2,3-cd)pyrene	<	500	500	ug/L	4/30/99	SW846 8270
N-Nitroso-di-n-propylamine	<	500	500	ug/L	4/30/99	SW846 8270
N-Nitrosodimethylamine	<	500	500	ug/L	4/30/99	SW846 8270
N-Nitrosodiphenylamine	<	500	500	ug/L	4/30/99	SW846 8270
Naphthalene		63	500	ug/L	4/30/99	SW846 8270
Nitrobenzene	<	500	500	ug/L	4/30/99	SW846 8270
Pentachlorophenol	<	1300	1300	ug/L	4/30/99	SW846 8270
Phenanthrene		44	500	ug/L	4/30/99	SW846 8270
Pyrene	<	500	500	ug/L	4/30/99	SW846 8270

Semivolatile Organic Results

WINNEBAGO ANNUAL 8151 **Prep Method: SW846 3520** **Prep Date: 4/19/99**

Analyte		Result	EQL	Units	Code	Analysis Date	Analysis Method
2,4,5-TP (Silvex)		7.7	0.50	ug/L	SUB	4/26/99	SW846 8151
2,4-D	<	5.0	5.0	ug/L	SUB	4/26/99	SW846 8151

Semivolatile Organic Results

WINNEBAGO ANNUAL 8318 **Prep Method:** **Prep Date: 4/20/99**

Analyte		Result	EQL	Units	Code	Analysis Date	Analysis Method
Aldicarb	<	50	50	ug/L		4/20/99	SW846 8318
Carbofuran	<	50	50	ug/L		4/20/99	SW846 8318

Semivolatile Organic Results

2,3,7,8-TCDD **Prep Method: SW846 3520** **Prep Date: 4/20/99**

Analyte		Result	EQL	Units	Code	Analysis Date	Analysis Method
2,3,7,8-TCDD	<	0.0050	0.0050	ug/L	SUB	4/26/99	SW846 8280

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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE
Project Number : 2018080001
Field ID : L313
Lab Sample Number : 991310-001
Lab Project Number : 991310

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 5/27/99
Collection Date : 4/14/99
Matrix Type : LEACHATE
WI DNR LAB ID : 113172950

PCB LIST — Prep Method: SW846 3510 — Prep Date: 4/21/99

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Aroclor 1016	< 10	10	ug/L	F	5/4/99	SW846 8082
Aroclor 1221	< 10	10	ug/L	F	5/4/99	SW846 8082
Aroclor 1232	< 10	10	ug/L	F	5/4/99	SW846 8082
Aroclor 1242	< 10	10	ug/L	F	5/4/99	SW846 8082
Aroclor 1248	< 10	10	ug/L	F	5/4/99	SW846 8082
Aroclor 1254	< 10	10	ug/L	F	5/4/99	SW846 8082
Aroclor 1260	< 10	10	ug/L	F	5/4/99	SW846 8082

SPECIAL PESTICIDE LIST — Prep Method: SW846 3510 — Prep Date: 4/21/99

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	< 1.0	1.0	ug/L	F	4/27/99	SW846 8081
4,4'-DDE	< 1.0	1.0	ug/L	F	4/27/99	SW846 8081
4,4'-DDT	< 1.0	1.0	ug/L	F	4/27/99	SW846 8081
Aldrin	< 0.50	0.50	ug/L	F	4/27/99	SW846 8081
alpha BHC	< 0.50	0.50	ug/L	F	4/27/99	SW846 8081
beta-BHC	< 0.50	0.50	ug/L	F	4/27/99	SW846 8081
Chlordane, technical	< 10	10	ug/L	F	4/27/99	SW846 8081
delta-BHC	< 0.50	0.50	ug/L	F	4/27/99	SW846 8081
Dieldrin	< 1.0	1.0	ug/L	F	4/27/99	SW846 8081
Endosulfan I	< 0.50	0.50	ug/L	F	4/27/99	SW846 8081
Endosulfan II	< 1.0	1.0	ug/L	F	4/27/99	SW846 8081
Endosulfan sulfate	< 1.0	1.0	ug/L	F	4/27/99	SW846 8081
Endrin	< 1.0	1.0	ug/L	F	4/27/99	SW846 8081
Endrin aldehyde	< 1.0	1.0	ug/L	F	4/27/99	SW846 8081
gamma-BHC (Lindane)	< 0.50	0.50	ug/L	F	4/27/99	SW846 8081
Heptachlor	< 0.50	0.50	ug/L	F	4/27/99	SW846 8081
Heptachlor epoxide	< 0.50	0.50	ug/L	F	4/27/99	SW846 8081
Methoxychlor	< 5.0	5.0	ug/L	F	4/27/99	SW846 8081
Toxaphene	< 50	50	ug/L	F	4/27/99	SW846 8081

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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE
Project Number : 2018080001
Field ID : L313
Lab Sample Number : 991310-001
Lab Project Number : 991310

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 5/27/99
Collection Date : 4/14/99
Matrix Type : LEACHATE
WI DNR LAB ID : 113172950

WINNEBAGO ANNUAL 8141 — Prep Method: SW846 3520 — Prep Date: 4/19/99

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Alachlor	7.6	2.0	ug/L	SUB	5/6/99	SW846 8141
Atrazine	4.4	2.0	ug/L	SUB	5/6/99	SW846 8141
Parathion	< 1.0	1.0	ug/L	SUB	5/6/99	SW846 8141

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER — Prep Method: SW846 5030B

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1,2-Tetrachloroethane	< 100	100	ug/L	W	4/15/99	SW846 8260B
1,1,1-Trichloroethane	< 100	100	ug/L	W	4/15/99	SW846 8260B
1,1,2,2-Tetrachloroethane	< 100	100	ug/L	W	4/15/99	SW846 8260B
1,1,2-Trichloroethane	< 100	100	ug/L	W	4/15/99	SW846 8260B
1,1-Dichloroethane	< 100	100	ug/L	W	4/15/99	SW846 8260B
1,1-Dichloroethene	< 100	100	ug/L	W	4/15/99	SW846 8260B
1,1-Dichloropropene	< 100	100	ug/L	W	4/15/99	SW846 8260B
1,2,3-Trichlorobenzene	< 100	100	ug/L	W	4/15/99	SW846 8260B
1,2,3-Trichloropropane	< 100	100	ug/L	W	4/15/99	SW846 8260B
1,2,4-Trichlorobenzene	< 100	100	ug/L	W	4/15/99	SW846 8260B
1,2,4-Trimethylbenzene	< 100	100	ug/L	W	4/15/99	SW846 8260B
1,2-Dibromo-3-chloropropane	< 200	200	ug/L	W	4/15/99	SW846 8260B
1,2-Dibromoethane	< 100	100	ug/L	W	4/15/99	SW846 8260B
1,2-Dichlorobenzene	< 100	100	ug/L	W	4/15/99	SW846 8260B
1,2-Dichloroethane	< 100	100	ug/L	W	4/15/99	SW846 8260B
1,2-Dichloropropane	< 100	100	ug/L	W	4/15/99	SW846 8260B
1,3,5-Trimethylbenzene	< 100	100	ug/L	W	4/15/99	SW846 8260B
1,3-Dichlorobenzene	< 100	100	ug/L	W	4/15/99	SW846 8260B
1,3-Dichloropropane	< 100	100	ug/L	W	4/15/99	SW846 8260B
1,4-Dichlorobenzene	< 100	100	ug/L	W	4/15/99	SW846 8260B
1-Propanol	< 10000	10000	ug/L	W	4/15/99	SW846 8260B
2,2-Dichloropropane	< 100	100	ug/L	W	4/15/99	SW846 8260B
2-Butanone	5500	500	ug/L	W	4/15/99	SW846 8260B
2-Chloroethylvinylether	< 500	500	ug/L	W	4/15/99	SW846 8260B
2-Chlorotoluene	< 100	100	ug/L	W	4/15/99	SW846 8260B

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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE
Project Number : 2018080001
Field ID : L313
Lab Sample Number : 991310-001
Lab Project Number : 991310

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 5/27/99
Collection Date : 4/14/99
Matrix Type : LEACHATE
WI DNR LAB ID : 113172950

2-Hexanone	<	500	500	ug/L	W	4/15/99	SW846 8260B
4-Chlorotoluene	<	100	100	ug/L	W	4/15/99	SW846 8260B
4-Methyl-2-pentanone	<	500	500	ug/L	W	4/15/99	SW846 8260B
Acetone		19000	500	ug/L	W	4/15/99	SW846 8260B
Benzene	<	100	100	ug/L	W	4/15/99	SW846 8260B
Bromobenzene	<	100	100	ug/L	W	4/15/99	SW846 8260B
Bromochloromethane	<	100	100	ug/L	W	4/15/99	SW846 8260B
Bromodichloromethane	<	100	100	ug/L	W	4/15/99	SW846 8260B
Bromoform	<	100	100	ug/L	W	4/15/99	SW846 8260B
Bromomethane	<	200	200	ug/L	W	4/15/99	SW846 8260B
Carbon disulfide	<	100	100	ug/L	W	4/15/99	SW846 8260B
Carbon tetrachloride	<	100	100	ug/L	W	4/15/99	SW846 8260B
Chlorobenzene	<	100	100	ug/L	W	4/15/99	SW846 8260B
Chlorodibromomethane	<	100	100	ug/L	W	4/15/99	SW846 8260B
Chloroethane	<	200	200	ug/L	W	4/15/99	SW846 8260B
Chloroform	<	100	100	ug/L	W	4/15/99	SW846 8260B
Chloromethane	<	200	200	ug/L	W	4/15/99	SW846 8260B
cis-1,2-Dichloroethene	<	100	100	ug/L	W	4/15/99	SW846 8260B
cis-1,3-Dichloropropene	<	100	100	ug/L	W	4/15/99	SW846 8260B
Dibromomethane	<	100	100	ug/L	W	4/15/99	SW846 8260B
Dichlorodifluoromethane	<	200	200	ug/L	W	4/15/99	SW846 8260B
Ethyl acetate	<	500	500	ug/L	W	4/15/99	SW846 8260B
Ethylbenzene	<	100	100	ug/L	W	4/15/99	SW846 8260B
Fluorotrichloromethane	<	200	200	ug/L	W	4/15/99	SW846 8260B
Iodomethane	<	500	500	ug/L	W	4/15/99	SW846 8260B
Isopropyl alcohol	<	100000	100000	ug/L	W	4/15/99	SW846 8260B
Isopropylbenzene	<	100	100	ug/L	W	4/15/99	SW846 8260B
Methylene chloride	<	100	100	ug/L	W	4/15/99	SW846 8260B
n-Butanol	<	10000	10000	ug/L	W	4/15/99	SW846 8260B
n-Butylbenzene	<	100	100	ug/L	W	4/15/99	SW846 8260B
n-Propylbenzene	<	100	100	ug/L	W	4/15/99	SW846 8260B
p-Isopropyltoluene	<	100	100	ug/L	W	4/15/99	SW846 8260B
s-Butylbenzene	<	100	100	ug/L	W	4/15/99	SW846 8260B
Styrene	<	100	100	ug/L	W	4/15/99	SW846 8260B
t-Butylbenzene	<	100	100	ug/L	W	4/15/99	SW846 8260B

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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE
Project Number : 2018080001
Field ID : L313
Lab Sample Number : 991310-001
Lab Project Number : 991310

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 5/27/99
Collection Date : 4/14/99
Matrix Type : LEACHATE
WI DNR LAB ID : 113172950

Tetrachloroethene	<	100	100	ug/L	W	4/15/99	SW846 8260B
Tetrahydrofuran	<	500	500	ug/L	W	4/15/99	SW846 8260B
Toluene	<	100	100	ug/L	W	4/15/99	SW846 8260B
trans-1,2-Dichloroethene	<	100	100	ug/L	W	4/15/99	SW846 8260B
trans-1,3-Dichloropropene	<	100	100	ug/L	W	4/15/99	SW846 8260B
trans-1,4-Dichloro-2-butene	<	500	500	ug/L	W	4/15/99	SW846 8260B
Trichloroethene	<	100	100	ug/L	W	4/15/99	SW846 8260B
Vinyl acetate	<	100	100	ug/L	W	4/15/99	SW846 8260B
Vinyl chloride	<	200	200	ug/L	W	4/15/99	SW846 8260B
Xylene, total	<	200	200	ug/L	W	4/15/99	SW846 8260B

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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE
Project Number : 2018080001
Field ID : L315
Lab Sample Number : 991310-002
Lab Project Number : 991310

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 5/27/99
Collection Date : 4/14/99
Matrix Type : LEACHATE
WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL SEMI-VOLATILE LIST — Prep Method: SW846 3510 — Prep Date: 4/21/99

Analyte		Result	EQL	Units	Code	Analysis Date	Analysis Method
2,4,6-Trichlorophenol	<	500	500	ug/L		4/30/99	SW846 8270
2,4-Dichlorophenol	<	500	500	ug/L		4/30/99	SW846 8270
2,4-Dimethylphenol		54	500	ug/L		4/30/99	SW846 8270
2,4-Dinitrophenol	<	1300	1300	ug/L		4/30/99	SW846 8270
2,4-Dinitrotoluene	<	500	500	ug/L		4/30/99	SW846 8270
2,6-Dinitrotoluene	<	500	500	ug/L		4/30/99	SW846 8270
2-Chloronaphthalene	<	500	500	ug/L		4/30/99	SW846 8270
2-Chlorophenol	<	500	500	ug/L		4/30/99	SW846 8270
2-Nitrophenol	<	500	500	ug/L		4/30/99	SW846 8270
3,3-Dichlorobenzidine	<	500	500	ug/L		4/30/99	SW846 8270
4,6-Dinitro-2-methylphenol	<	1300	1300	ug/L		4/30/99	SW846 8270
4-Bromophenyl phenyl ether	<	500	500	ug/L		4/30/99	SW846 8270
4-Chlorophenyl phenyl ether	<	500	500	ug/L		4/30/99	SW846 8270
4-Methylphenol		600	500	ug/L		4/30/99	SW846 8270
4-Nitrophenol	<	1300	1300	ug/L		4/30/99	SW846 8270
Acenaphthene	<	500	500	ug/L		4/30/99	SW846 8270
Anthracene	<	500	500	ug/L		4/30/99	SW846 8270
Benzo(a)anthracene	<	500	500	ug/L		4/30/99	SW846 8270
Benzo(a)pyrene	<	500	500	ug/L		4/30/99	SW846 8270
Benzo(b)fluoranthene	<	500	500	ug/L		4/30/99	SW846 8270
Benzo(g,h,i)perylene	<	500	500	ug/L		4/30/99	SW846 8270
Benzo(k)fluoranthene	<	500	500	ug/L		4/30/99	SW846 8270
bis(2-Chloroethoxy)methane	<	500	500	ug/L		4/30/99	SW846 8270
bis(2-Chloroethyl)ether	<	500	500	ug/L		4/30/99	SW846 8270
bis(2-Ethylhexyl)phthalate	<	500	500	ug/L		4/30/99	SW846 8270
Butylbenzylphthalate	<	500	500	ug/L		4/30/99	SW846 8270
Chrysene	<	500	500	ug/L		4/30/99	SW846 8270
Di-n-butylphthalate	<	500	500	ug/L		4/30/99	SW846 8270
Di-n-octylphthalate	<	500	500	ug/L		4/30/99	SW846 8270
Dibenzo(a,h)anthracene	<	500	500	ug/L		4/30/99	SW846 8270
Diethylphthalate	<	500	500	ug/L		4/30/99	SW846 8270

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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE
Project Number : 2018080001
Field ID : L315
Lab Sample Number : 991310-002
Lab Project Number : 991310

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 5/27/99
Collection Date : 4/14/99
Matrix Type : LEACHATE
WI DNR LAB ID : 113172950

Dimethylphthalate	<	500	500	ug/L	4/30/99	SW846 8270
Fluoranthene	<	500	500	ug/L	4/30/99	SW846 8270
Fluorene	<	500	500	ug/L	4/30/99	SW846 8270
Hexachlorobenzene	<	500	500	ug/L	4/30/99	SW846 8270
Hexachlorobutadiene	<	500	500	ug/L	4/30/99	SW846 8270
Hexachlorocyclopentadiene	<	500	500	ug/L	4/30/99	SW846 8270
Hexachloroethane	<	500	500	ug/L	4/30/99	SW846 8270
Indeno(1,2,3-cd)pyrene	<	500	500	ug/L	4/30/99	SW846 8270
N-Nitroso-di-n-propylamine	<	500	500	ug/L	4/30/99	SW846 8270
N-Nitrosodimethylamine	<	500	500	ug/L	4/30/99	SW846 8270
N-Nitrosodiphenylamine	<	500	500	ug/L	4/30/99	SW846 8270
Naphthalene	<	500	500	ug/L	4/30/99	SW846 8270
Nitrobenzene	<	500	500	ug/L	4/30/99	SW846 8270
Pentachlorophenol	<	1300	1300	ug/L	4/30/99	SW846 8270
Phenanthrene	<	500	500	ug/L	4/30/99	SW846 8270
Pyrene	<	500	500	ug/L	4/30/99	SW846 8270

Semivolatile Organic Results

WINNEBAGO ANNUAL 8151 **Prep Method: SW846 3520** **Prep Date: 4/20/99**

Analyte		Result	EQL	Units	Code	Analysis Date	Analysis Method
2,4,5-TP (Silvex)	<	5.0	5.0	ug/L	SUB	4/26/99	SW846 8151
2,4-D	<	5.0	5.0	ug/L	SUB	4/26/99	SW846 8151

Semivolatile Organic Results

WINNEBAGO ANNUAL 8318 **Prep Method:** **Prep Date: 4/20/99**

Analyte		Result	EQL	Units	Code	Analysis Date	Analysis Method
Aldicarb	<	50	50	ug/L		4/21/99	SW846 8318
Carbofuran	<	50	50	ug/L		4/21/99	SW846 8318

Semivolatile Organic Results

2,3,7,8-TCDD **Prep Method: SW846 3520** **Prep Date: 4/20/99**

Analyte		Result	EQL	Units	Code	Analysis Date	Analysis Method
2,3,7,8-TCDD	<	0.0050	0.0050	ug/L	SUB	4/26/99	SW846 8280

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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE
Project Number : 2018080001
Field ID : L315
Lab Sample Number : 991310-002
Lab Project Number : 991310

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 5/27/99
Collection Date : 4/14/99
Matrix Type : LEACHATE
WI DNR LAB ID : 113172950

PCB LIST Prep Method: SW846 3510 Prep Date: 4/21/99

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Aroclor 1016	< 10	10	ug/L		5/4/99	SW846 8082
Aroclor 1221	< 10	10	ug/L		5/4/99	SW846 8082
Aroclor 1232	< 10	10	ug/L		5/4/99	SW846 8082
Aroclor 1242	< 10	10	ug/L		5/4/99	SW846 8082
Aroclor 1248	< 10	10	ug/L		5/4/99	SW846 8082
Aroclor 1254	< 10	10	ug/L		5/4/99	SW846 8082
Aroclor 1260	< 10	10	ug/L		5/4/99	SW846 8082

SPECIAL PESTICIDE LIST Prep Method: SW846 3510 Prep Date: 4/21/99

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	< 1.0	1.0	ug/L	F	4/27/99	SW846 8081
4,4'-DDE	< 1.0	1.0	ug/L	F	4/27/99	SW846 8081
4,4'-DDT	< 1.0	1.0	ug/L	F	4/27/99	SW846 8081
Aldrin	< 0.50	0.50	ug/L	F	4/27/99	SW846 8081
alpha BHC	< 0.50	0.50	ug/L	F	4/27/99	SW846 8081
beta-BHC	< 0.50	0.50	ug/L	F	4/27/99	SW846 8081
Chlordane, technical	< 10	10	ug/L	F	4/27/99	SW846 8081
delta-BHC	< 0.50	0.50	ug/L	F	4/27/99	SW846 8081
Dieldrin	< 1.0	1.0	ug/L	F	4/27/99	SW846 8081
Endosulfan I	< 0.50	0.50	ug/L	F	4/27/99	SW846 8081
Endosulfan II	< 1.0	1.0	ug/L	F	4/27/99	SW846 8081
Endosulfan sulfate	< 1.0	1.0	ug/L	F	4/27/99	SW846 8081
Endrin	< 1.0	1.0	ug/L	F	4/27/99	SW846 8081
Endrin aldehyde	< 1.0	1.0	ug/L	F	4/27/99	SW846 8081
gamma-BHC (Lindane)	< 0.50	0.50	ug/L	F	4/27/99	SW846 8081
Heptachlor	< 0.50	0.50	ug/L	F	4/27/99	SW846 8081
Heptachlor epoxide	< 0.50	0.50	ug/L	F	4/27/99	SW846 8081
Methoxychlor	< 5.0	5.0	ug/L	F	4/27/99	SW846 8081
Toxaphene	< 50	50	ug/L	F	4/27/99	SW846 8081

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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE
Project Number : 2018080001
Field ID : L315
Lab Sample Number : 991310-002
Lab Project Number : 991310

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 5/27/99
Collection Date : 4/14/99
Matrix Type : LEACHATE
WI DNR LAB ID : 113172950

WINNEBAGO ANNUAL 8141 — Prep Method: SW846 3520 — Prep Date: 4/19/99

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Alachlor	9.5	2.0	ug/L	SUB	5/6/99	SW846 8141
Atrazine	< 2.0	2.0	ug/L	SUB	5/6/99	SW846 8141
Parathion	< 1.0	1.0	ug/L	SUB	5/6/99	SW846 8141

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER — Prep Method: SW846 5030B

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1,2-Tetrachloroethane	< 25	25	ug/L		4/16/99	SW846 8260B
1,1,1-Trichloroethane	< 25	25	ug/L		4/16/99	SW846 8260B
1,1,2,2-Tetrachloroethane	< 25	25	ug/L		4/16/99	SW846 8260B
1,1,2-Trichloroethane	< 25	25	ug/L		4/16/99	SW846 8260B
1,1-Dichloroethane	< 25	25	ug/L		4/16/99	SW846 8260B
1,1-Dichloroethene	< 25	25	ug/L		4/16/99	SW846 8260B
1,1-Dichloropropene	< 25	25	ug/L		4/16/99	SW846 8260B
1,2,3-Trichlorobenzene	< 25	25	ug/L		4/16/99	SW846 8260B
1,2,3-Trichloropropane	< 25	25	ug/L		4/16/99	SW846 8260B
1,2,4-Trichlorobenzene	< 25	25	ug/L		4/16/99	SW846 8260B
1,2,4-Trimethylbenzene	< 25	25	ug/L		4/16/99	SW846 8260B
1,2-Dibromo-3-chloropropane	< 50	50	ug/L		4/16/99	SW846 8260B
1,2-Dibromoethane	< 25	25	ug/L		4/16/99	SW846 8260B
1,2-Dichlorobenzene	< 25	25	ug/L		4/16/99	SW846 8260B
1,2-Dichloroethane	< 25	25	ug/L		4/16/99	SW846 8260B
1,2-Dichloropropane	< 25	25	ug/L		4/16/99	SW846 8260B
1,3,5-Trimethylbenzene	< 25	25	ug/L		4/16/99	SW846 8260B
1,3-Dichlorobenzene	< 25	25	ug/L		4/16/99	SW846 8260B
1,3-Dichloropropane	< 25	25	ug/L		4/16/99	SW846 8260B
1,4-Dichlorobenzene	< 25	25	ug/L		4/16/99	SW846 8260B
1-Propanol	< 2500	2500	ug/L		4/16/99	SW846 8260B
2,2-Dichloropropane	< 25	25	ug/L		4/16/99	SW846 8260B
2-Butanone	540	130	ug/L		4/16/99	SW846 8260B
2-Chloroethylvinylether	< 130	130	ug/L		4/16/99	SW846 8260B
2-Chlorotoluene	< 25	25	ug/L		4/16/99	SW846 8260B

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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE
Project Number : 2018080001
Field ID : L315
Lab Sample Number : 991310-002
Lab Project Number : 991310

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 5/27/99
Collection Date : 4/14/99
Matrix Type : LEACHATE
WI DNR LAB ID : 113172950

2-Hexanone	<	130	130	ug/L	4/16/99	SW846 8260B
4-Chlorotoluene	<	25	25	ug/L	4/16/99	SW846 8260B
4-Methyl-2-pentanone	<	130	130	ug/L	4/16/99	SW846 8260B
Acetone		1100	130	ug/L	4/16/99	SW846 8260B
Benzene	<	25	25	ug/L	4/16/99	SW846 8260B
Bromobenzene	<	25	25	ug/L	4/16/99	SW846 8260B
Bromochloromethane	<	25	25	ug/L	4/16/99	SW846 8260B
Bromodichloromethane	<	25	25	ug/L	4/16/99	SW846 8260B
Bromoform	<	25	25	ug/L	4/16/99	SW846 8260B
Bromomethane	<	50	50	ug/L	4/16/99	SW846 8260B
Carbon disulfide	<	25	25	ug/L	4/16/99	SW846 8260B
Carbon tetrachloride	<	25	25	ug/L	4/16/99	SW846 8260B
Chlorobenzene	<	25	25	ug/L	4/16/99	SW846 8260B
Chlorodibromomethane	<	25	25	ug/L	4/16/99	SW846 8260B
Chloroethane	<	50	50	ug/L	4/16/99	SW846 8260B
Chloroform	<	25	25	ug/L	4/16/99	SW846 8260B
Chloromethane	<	50	50	ug/L	4/16/99	SW846 8260B
cis-1,2-Dichloroethene	<	25	25	ug/L	4/16/99	SW846 8260B
cis-1,3-Dichloropropene	<	25	25	ug/L	4/16/99	SW846 8260B
Dibromomethane	<	25	25	ug/L	4/16/99	SW846 8260B
Dichlorodifluoromethane	<	50	50	ug/L	4/16/99	SW846 8260B
Ethyl acetate	<	130	130	ug/L	4/16/99	SW846 8260B
Ethylbenzene		29	25	ug/L	4/16/99	SW846 8260B
Fluorotrichloromethane	<	50	50	ug/L	4/16/99	SW846 8260B
Iodomethane	<	130	130	ug/L	4/16/99	SW846 8260B
Isopropyl alcohol	<	25000	25000	ug/L	4/16/99	SW846 8260B
Isopropylbenzene	<	25	25	ug/L	4/16/99	SW846 8260B
Methylene chloride	<	25	25	ug/L	4/16/99	SW846 8260B
n-Butanol	<	2500	2500	ug/L	4/16/99	SW846 8260B
n-Butylbenzene	<	25	25	ug/L	4/16/99	SW846 8260B
n-Propylbenzene	<	25	25	ug/L	4/16/99	SW846 8260B
p-Isopropyltoluene	<	25	25	ug/L	4/16/99	SW846 8260B
s-Butylbenzene	<	25	25	ug/L	4/16/99	SW846 8260B
Styrene	<	25	25	ug/L	4/16/99	SW846 8260B
t-Butylbenzene	<	25	25	ug/L	4/16/99	SW846 8260B

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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE
Project Number : 2018080001
Field ID : L315
Lab Sample Number : 991310-002
Lab Project Number : 991310

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 5/27/99
Collection Date : 4/14/99
Matrix Type : LEACHATE
WI DNR LAB ID : 113172950

Tetrachloroethene	<	25	25	ug/L	4/16/99	SW846 8260B
Tetrahydrofuran	<	130	130	ug/L	4/16/99	SW846 8260B
Toluene		97	25	ug/L	4/16/99	SW846 8260B
trans-1,2-Dichloroethene	<	25	25	ug/L	4/16/99	SW846 8260B
trans-1,3-Dichloropropene	<	25	25	ug/L	4/16/99	SW846 8260B
trans-1,4-Dichloro-2-butene	<	130	130	ug/L	4/16/99	SW846 8260B
Trichloroethene	<	25	25	ug/L	4/16/99	SW846 8260B
Vinyl acetate	<	25	25	ug/L	4/16/99	SW846 8260B
Vinyl chloride	<	50	50	ug/L	4/16/99	SW846 8260B
Xylene, total		96	50	ug/L	4/16/99	SW846 8260B

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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE
Project Number : 2018080001
Field ID : L316
Lab Sample Number : 991310-003
Lab Project Number : 991310

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 5/27/99
Collection Date : 4/14/99
Matrix Type : LEACHATE
WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL SEMI-VOLATILE LIST — Prep Method: SW846 3510 — Prep Date: 4/21/99

Analyte		Result	EQL	Units	Code	Analysis Date	Analysis Method
2,4,6-Trichlorophenol	<	500	500	ug/L		4/30/99	SW846 8270
2,4-Dichlorophenol	<	500	500	ug/L		4/30/99	SW846 8270
2,4-Dimethylphenol	<	500	500	ug/L		4/30/99	SW846 8270
2,4-Dinitrophenol	<	1300	1300	ug/L		4/30/99	SW846 8270
2,4-Dinitrotoluene	<	500	500	ug/L		4/30/99	SW846 8270
2,6-Dinitrotoluene	<	500	500	ug/L		4/30/99	SW846 8270
2-Chloronaphthalene	<	500	500	ug/L		4/30/99	SW846 8270
2-Chlorophenol	<	500	500	ug/L		4/30/99	SW846 8270
2-Nitrophenol	<	500	500	ug/L		4/30/99	SW846 8270
3,3-Dichlorobenzidine	<	500	500	ug/L		4/30/99	SW846 8270
4,6-Dinitro-2-methylphenol	<	1300	1300	ug/L		4/30/99	SW846 8270
4-Bromophenyl phenyl ether	<	500	500	ug/L		4/30/99	SW846 8270
4-Chlorophenyl phenyl ether	<	500	500	ug/L		4/30/99	SW846 8270
4-Methylphenol		28000	2500	ug/L	D	4/30/99	SW846 8270
4-Nitrophenol	<	1300	1300	ug/L		4/30/99	SW846 8270
Acenaphthene	<	500	500	ug/L		4/30/99	SW846 8270
Anthracene	<	500	500	ug/L		4/30/99	SW846 8270
Benzo(a)anthracene	<	500	500	ug/L		4/30/99	SW846 8270
Benzo(a)pyrene	<	500	500	ug/L		4/30/99	SW846 8270
Benzo(b)fluoranthene	<	500	500	ug/L		4/30/99	SW846 8270
Benzo(g,h,i)perylene	<	500	500	ug/L		4/30/99	SW846 8270
Benzo(k)fluoranthene	<	500	500	ug/L		4/30/99	SW846 8270
bis(2-Chloroethoxy)methane	<	500	500	ug/L		4/30/99	SW846 8270
bis(2-Chloroethyl)ether	<	500	500	ug/L		4/30/99	SW846 8270
bis(2-Ethylhexyl)phthalate	<	500	500	ug/L		4/30/99	SW846 8270
Butylbenzylphthalate	<	500	500	ug/L		4/30/99	SW846 8270
Chrysene	<	500	500	ug/L		4/30/99	SW846 8270
Di-n-butylphthalate	<	500	500	ug/L		4/30/99	SW846 8270
Di-n-octylphthalate	<	500	500	ug/L		4/30/99	SW846 8270
Dibenzo(a,h)anthracene	<	500	500	ug/L		4/30/99	SW846 8270
Diethylphthalate		310	500	ug/L		4/30/99	SW846 8270

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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE
Project Number : 2018080001
Field ID : L316
Lab Sample Number : 991310-003
Lab Project Number : 991310

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 5/27/99
Collection Date : 4/14/99
Matrix Type : LEACHATE
WI DNR LAB ID : 113172950

Dimethylphthalate	<	500	500	ug/L	4/30/99	SW846 8270
Fluoranthene	<	500	500	ug/L	4/30/99	SW846 8270
Fluorene	<	500	500	ug/L	4/30/99	SW846 8270
Hexachlorobenzene	<	500	500	ug/L	4/30/99	SW846 8270
Hexachlorobutadiene	<	500	500	ug/L	4/30/99	SW846 8270
Hexachlorocyclopentadiene	<	500	500	ug/L	4/30/99	SW846 8270
Hexachloroethane	<	500	500	ug/L	4/30/99	SW846 8270
Indeno(1,2,3-cd)pyrene	<	500	500	ug/L	4/30/99	SW846 8270
N-Nitroso-di-n-propylamine	<	500	500	ug/L	4/30/99	SW846 8270
N-Nitrosodimethylamine	<	500	500	ug/L	4/30/99	SW846 8270
N-Nitrosodiphenylamine	<	500	500	ug/L	4/30/99	SW846 8270
Naphthalene	<	500	500	ug/L	4/30/99	SW846 8270
Nitrobenzene	<	500	500	ug/L	4/30/99	SW846 8270
Pentachlorophenol	<	1300	1300	ug/L	4/30/99	SW846 8270
Phenanthrene	<	500	500	ug/L	4/30/99	SW846 8270
Pyrene	<	500	500	ug/L	4/30/99	SW846 8270

Semivolatile Organic Results

WINNEBAGO ANNUAL 8151 **Prep Method: SW846 3520** **Prep Date: 4/20/99**

Analyte		Result	EQL	Units	Code	Analysis Date	Analysis Method
2,4,5-TP (Silvex)	<	5.0	5.0	ug/L	SUB	4/26/99	SW846 8151
2,4-D		55	0.50	ug/L	SUB	4/26/99	SW846 8151

Semivolatile Organic Results

WINNEBAGO ANNUAL 8318 **Prep Method:** **Prep Date: 4/20/99**

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Aldicarb	9.0	5.0	ug/L		4/21/99	SW846 8318
Carbofuran	440	5.0	ug/L		4/21/99	SW846 8318

Semivolatile Organic Results

2,3,7,8-TCDD **Prep Method: SW846 3530** **Prep Date: 4/20/99**

Analyte		Result	EQL	Units	Code	Analysis Date	Analysis Method
2,3,7,8-TCDD	<	0.0050	0.0050	ug/L	SUB	4/26/99	SW846 8280

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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE
Project Number : 2018080001
Field ID : L316
Lab Sample Number : 991310-003
Lab Project Number : 991310

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 5/27/99
Collection Date : 4/14/99
Matrix Type : LEACHATE
WI DNR LAB ID : 113172950

PCB LIST — Prep Method: SW846 3510 — Prep Date: 4/21/99

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Aroclor 1016	< 10	10	ug/L	F	5/4/99	SW846 8082
Aroclor 1221	< 10	10	ug/L	F	5/4/99	SW846 8082
Aroclor 1232	< 10	10	ug/L	F	5/4/99	SW846 8082
Aroclor 1242	< 10	10	ug/L	F	5/4/99	SW846 8082
Aroclor 1248	< 10	10	ug/L	F	5/4/99	SW846 8082
Aroclor 1254	< 10	10	ug/L	F	5/4/99	SW846 8082
Aroclor 1260	< 10	10	ug/L	F	5/4/99	SW846 8082

SPECIAL PESTICIDE LIST — Prep Method: SW846 3510 — Prep Date: 4/21/99

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	< 1.0	1.0	ug/L	F	4/27/99	SW846 8081
4,4'-DDE	< 1.0	1.0	ug/L	F	4/27/99	SW846 8081
4,4'-DDT	< 1.0	1.0	ug/L	F	4/27/99	SW846 8081
Aldrin	< 0.50	0.50	ug/L	F	4/27/99	SW846 8081
alpha BHC	< 0.50	0.50	ug/L	F	4/27/99	SW846 8081
beta-BHC	< 0.50	0.50	ug/L	F	4/27/99	SW846 8081
Chlordane, technical	< 10	10	ug/L	F	4/27/99	SW846 8081
delta-BHC	< 0.50	0.50	ug/L	F	4/27/99	SW846 8081
Dieldrin	< 1.0	1.0	ug/L	F	4/27/99	SW846 8081
Endosulfan I	< 0.50	0.50	ug/L	F	4/27/99	SW846 8081
Endosulfan II	< 1.0	1.0	ug/L	F	4/27/99	SW846 8081
Endosulfan sulfate	< 1.0	1.0	ug/L	F	4/27/99	SW846 8081
Endrin	< 1.0	1.0	ug/L	F	4/27/99	SW846 8081
Endrin aldehyde	< 1.0	1.0	ug/L	F	4/27/99	SW846 8081
gamma-BHC (Lindane)	< 0.50	0.50	ug/L	F	4/27/99	SW846 8081
Heptachlor	< 0.50	0.50	ug/L	F	4/27/99	SW846 8081
Heptachlor epoxide	< 0.50	0.50	ug/L	F	4/27/99	SW846 8081
Methoxychlor	< 5.0	5.0	ug/L	F	4/27/99	SW846 8081
Toxaphene	< 50	50	ug/L	F	4/27/99	SW846 8081

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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE
Project Number : 2018080001
Field ID : L316
Lab Sample Number : 991310-003
Lab Project Number : 991310

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 5/27/99
Collection Date : 4/14/99
Matrix Type : LEACHATE
WI DNR LAB ID : 113172950

WINNEBAGO ANNUAL 8141 — Prep Method: SW846 3520 — Prep Date: 4/19/99

Analyte		Result	EQL	Units	Code	Analysis Date	Analysis Method
Alachlor	<	2.0	2.0	ug/L	SUB	5/6/99	SW846 8141
Atrazine		14	2.0	ug/L	SUB	5/6/99	SW846 8141
Parathion	<	1.0	1.0	ug/L	SUB	5/6/99	SW846 8141

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER — Prep Method: SW846 5030B

Analyte		Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1,2-Tetrachloroethane	<	100	100	ug/L	W	4/15/99	SW846 8260B
1,1,1-Trichloroethane	<	100	100	ug/L	W	4/15/99	SW846 8260B
1,1,2,2-Tetrachloroethane	<	100	100	ug/L	W	4/15/99	SW846 8260B
1,1,2-Trichloroethane	<	100	100	ug/L	W	4/15/99	SW846 8260B
1,1-Dichloroethane	<	100	100	ug/L	W	4/15/99	SW846 8260B
1,1-Dichloroethene	<	100	100	ug/L	W	4/15/99	SW846 8260B
1,1-Dichloropropene	<	100	100	ug/L	W	4/15/99	SW846 8260B
1,2,3-Trichlorobenzene	<	100	100	ug/L	W	4/15/99	SW846 8260B
1,2,3-Trichloropropane	<	100	100	ug/L	W	4/15/99	SW846 8260B
1,2,4-Trichlorobenzene	<	100	100	ug/L	W	4/15/99	SW846 8260B
1,2,4-Trimethylbenzene	<	100	100	ug/L	W	4/15/99	SW846 8260B
1,2-Dibromo-3-chloropropane	<	200	200	ug/L	W	4/15/99	SW846 8260B
1,2-Dibromoethane	<	100	100	ug/L	W	4/15/99	SW846 8260B
1,2-Dichlorobenzene	<	100	100	ug/L	W	4/15/99	SW846 8260B
1,2-Dichloroethane	<	100	100	ug/L	W	4/15/99	SW846 8260B
1,2-Dichloropropane	<	100	100	ug/L	W	4/15/99	SW846 8260B
1,3,5-Trimethylbenzene	<	100	100	ug/L	W	4/15/99	SW846 8260B
1,3-Dichlorobenzene	<	100	100	ug/L	W	4/15/99	SW846 8260B
1,3-Dichloropropane	<	100	100	ug/L	W	4/15/99	SW846 8260B
1,4-Dichlorobenzene	<	100	100	ug/L	W	4/15/99	SW846 8260B
1-Propanol	<	10000	10000	ug/L	W	4/15/99	SW846 8260B
2,2-Dichloropropane	<	100	100	ug/L	W,D	4/15/99	SW846 8260B
2-Butanone		61000	2500	ug/L	W	4/16/99	SW846 8260B
2-Chloroethylvinylether	<	500	500	ug/L	W	4/15/99	SW846 8260B
2-Chlorotoluene	<	100	100	ug/L	W	4/15/99	SW846 8260B

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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE
Project Number : 2018080001
Field ID : L316
Lab Sample Number : 991310-003
Lab Project Number : 991310

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 5/27/99
Collection Date : 4/14/99
Matrix Type : LEACHATE
WI DNR LAB ID : 113172950

2-Hexanone	<	500	500	ug/L	W	4/15/99	SW846 8260B
4-Chlorotoluene	<	100	100	ug/L	W	4/15/99	SW846 8260B
4-Methyl-2-pentanone	<	500	500	ug/L	W	4/15/99	SW846 8260B
Acetone		35000	2500	ug/L	W,D	4/16/99	SW846 8260B
Benzene	<	100	100	ug/L	W	4/15/99	SW846 8260B
Bromobenzene	<	100	100	ug/L	W	4/15/99	SW846 8260B
Bromochloromethane	<	100	100	ug/L	W	4/15/99	SW846 8260B
Bromodichloromethane	<	100	100	ug/L	W	4/15/99	SW846 8260B
Bromoform	<	100	100	ug/L	W	4/15/99	SW846 8260B
Bromomethane	<	200	200	ug/L	W	4/15/99	SW846 8260B
Carbon disulfide	<	100	100	ug/L	W	4/15/99	SW846 8260B
Carbon tetrachloride	<	100	100	ug/L	W	4/15/99	SW846 8260B
Chlorobenzene	<	100	100	ug/L	W	4/15/99	SW846 8260B
Chlorodibromomethane	<	100	100	ug/L	W	4/15/99	SW846 8260B
Chloroethane	<	200	200	ug/L	W	4/15/99	SW846 8260B
Chloroform	<	100	100	ug/L	W	4/15/99	SW846 8260B
Chloromethane	<	200	200	ug/L	W	4/15/99	SW846 8260B
cis-1,2-Dichloroethene	<	100	100	ug/L	W	4/15/99	SW846 8260B
cis-1,3-Dichloropropene	<	100	100	ug/L	W	4/15/99	SW846 8260B
Dibromomethane	<	100	100	ug/L	W	4/15/99	SW846 8260B
Dichlorodifluoromethane	<	200	200	ug/L	W	4/15/99	SW846 8260B
Ethyl acetate	<	500	500	ug/L	W	4/15/99	SW846 8260B
Ethylbenzene	<	100	100	ug/L	W	4/15/99	SW846 8260B
Fluorotrichloromethane	<	200	200	ug/L	W	4/15/99	SW846 8260B
Iodomethane	<	500	500	ug/L	W	4/15/99	SW846 8260B
Isopropyl alcohol	<	500000	500000	ug/L	W,D	4/16/99	SW846 8260B
Isopropylbenzene	<	100	100	ug/L	W	4/15/99	SW846 8260B
Methylene chloride	<	100	100	ug/L	W	4/15/99	SW846 8260B
n-Butanol	<	10000	10000	ug/L	W	4/15/99	SW846 8260B
n-Butylbenzene	<	100	100	ug/L	W	4/15/99	SW846 8260B
n-Propylbenzene	<	100	100	ug/L	W	4/15/99	SW846 8260B
p-Isopropyltoluene	<	100	100	ug/L	W	4/15/99	SW846 8260B
s-Butylbenzene	<	100	100	ug/L	W	4/15/99	SW846 8260B
Styrene	<	100	100	ug/L	W	4/15/99	SW846 8260B
t-Butylbenzene	<	100	100	ug/L	W	4/15/99	SW846 8260B

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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE
Project Number : 2018080001
Field ID : L316
Lab Sample Number : 991310-003
Lab Project Number : 991310

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 5/27/99
Collection Date : 4/14/99
Matrix Type : LEACHATE
WI DNR LAB ID : 113172950

Tetrachloroethene	<	100	100	ug/L	W	4/15/99	SW846 8260B
Tetrahydrofuran		580	500	ug/L	W	4/15/99	SW846 8260B
Toluene		150	100	ug/L	W	4/15/99	SW846 8260B
trans-1,2-Dichloroethene	<	100	100	ug/L	W	4/15/99	SW846 8260B
trans-1,3-Dichloropropene	<	100	100	ug/L	W	4/15/99	SW846 8260B
trans-1,4-Dichloro-2-butene	<	500	500	ug/L	W	4/15/99	SW846 8260B
Trichloroethene	<	100	100	ug/L	W	4/15/99	SW846 8260B
Vinyl acetate	<	100	100	ug/L	W	4/15/99	SW846 8260B
Vinyl chloride	<	200	200	ug/L	W	4/15/99	SW846 8260B
Xylene, total	<	200	200	ug/L	W	4/15/99	SW846 8260B

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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE
Project Number : 2018080001
Field ID : L314
Lab Sample Number : 991310-004
Lab Project Number : 991310

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 5/27/99
Collection Date : 4/14/99
Matrix Type : LEACHATE
WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL SEMI-VOLATILE LIST **Prep Method:** SW846 3510 **Prep Date:** 4/21/99

Analyte		Result	EQL	Units	Code	Analysis Date	Analysis Method
2,4,6-Trichlorophenol	<	500	500	ug/L		4/30/99	SW846 8270
2,4-Dichlorophenol	<	500	500	ug/L		4/30/99	SW846 8270
2,4-Dimethylphenol		220	500	ug/L		4/30/99	SW846 8270
2,4-Dinitrophenol	<	1300	1300	ug/L		4/30/99	SW846 8270
2,4-Dinitrotoluene	<	500	500	ug/L		4/30/99	SW846 8270
2,6-Dinitrotoluene	<	500	500	ug/L		4/30/99	SW846 8270
2-Chloronaphthalene	<	500	500	ug/L		4/30/99	SW846 8270
2-Chlorophenol	<	500	500	ug/L		4/30/99	SW846 8270
2-Nitrophenol	<	500	500	ug/L		4/30/99	SW846 8270
3,3-Dichlorobenzidine	<	500	500	ug/L		4/30/99	SW846 8270
4,6-Dinitro-2-methylphenol	<	1300	1300	ug/L		4/30/99	SW846 8270
4-Bromophenyl phenyl ether	<	500	500	ug/L		4/30/99	SW846 8270
4-Chlorophenyl phenyl ether	<	500	500	ug/L		4/30/99	SW846 8270
4-Methylphenol	<	500	500	ug/L		4/30/99	SW846 8270
4-Nitrophenol	<	1300	1300	ug/L		4/30/99	SW846 8270
Acenaphthene	<	500	500	ug/L		4/30/99	SW846 8270
Anthracene	<	500	500	ug/L		4/30/99	SW846 8270
Benzo(a)anthracene	<	500	500	ug/L		4/30/99	SW846 8270
Benzo(a)pyrene	<	500	500	ug/L		4/30/99	SW846 8270
Benzo(b)fluoranthene	<	500	500	ug/L		4/30/99	SW846 8270
Benzo(g,h,i)perylene	<	500	500	ug/L		4/30/99	SW846 8270
Benzo(k)fluoranthene	<	500	500	ug/L		4/30/99	SW846 8270
bis(2-Chloroethoxy)methane	<	500	500	ug/L		4/30/99	SW846 8270
bis(2-Chloroethyl)ether	<	500	500	ug/L		4/30/99	SW846 8270
bis(2-Ethylhexyl)phthalate	<	500	500	ug/L		4/30/99	SW846 8270
Butylbenzylphthalate	<	500	500	ug/L		4/30/99	SW846 8270
Chrysene	<	500	500	ug/L		4/30/99	SW846 8270
Di-n-butylphthalate	<	500	500	ug/L		4/30/99	SW846 8270
Di-n-octylphthalate	<	500	500	ug/L		4/30/99	SW846 8270
Dibenzo(a,h)anthracene	<	500	500	ug/L		4/30/99	SW846 8270
Diethylphthalate	<	500	500	ug/L		4/30/99	SW846 8270

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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE
Project Number : 2018080001
Field ID : L314
Lab Sample Number : 991310-004
Lab Project Number : 991310

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 5/27/99
Collection Date : 4/14/99
Matrix Type : LEACHATE
WI DNR LAB ID : 113172950

Dimethylphthalate	<	500	500	ug/L		4/30/99	SW846 8270
Fluoranthene	<	500	500	ug/L		4/30/99	SW846 8270
Fluorene	<	500	500	ug/L		4/30/99	SW846 8270
Hexachlorobenzene	<	500	500	ug/L		4/30/99	SW846 8270
Hexachlorobutadiene	<	500	500	ug/L		4/30/99	SW846 8270
Hexachlorocyclopentadiene	<	500	500	ug/L		4/30/99	SW846 8270
Hexachloroethane	<	500	500	ug/L		4/30/99	SW846 8270
Indeno(1,2,3-cd)pyrene	<	500	500	ug/L		4/30/99	SW846 8270
N-Nitroso-di-n-propylamine	<	500	500	ug/L		4/30/99	SW846 8270
N-Nitrosodimethylamine	<	500	500	ug/L		4/30/99	SW846 8270
N-Nitrosodiphenylamine	<	500	500	ug/L		4/30/99	SW846 8270
Naphthalene	<	500	500	ug/L		4/30/99	SW846 8270
Nitrobenzene	<	500	500	ug/L		4/30/99	SW846 8270
Pentachlorophenol	<	1300	1300	ug/L		4/30/99	SW846 8270
Phenanthrene	<	500	500	ug/L		4/30/99	SW846 8270
Pyrene	<	500	500	ug/L		4/30/99	SW846 8270

Semivolatile Organic Results

WINNEBAGO ANNUAL 8318 — **Prep Method:** — **Prep Date:** 4/20/99

Analyte		Result	EQL	Units	Code	Analysis Date	Analysis Method
Aldicarb	<	20	20	ug/L		4/21/99	SW846 8318
Carbofuran	<	20	20	ug/L		4/21/99	SW846 8318

Semivolatile Organic Results

2,3,7,8-TCDD — **Prep Method:** SW846 3520 — **Prep Date:** 4/20/99

Analyte		Result	EQL	Units	Code	Analysis Date	Analysis Method
2,3,7,8-TCDD	<	0.0050	0.0050	ug/L	SUB	4/26/99	SW846 8280

PCB LIST — **Prep Method:** SW846 3510 — **Prep Date:** 4/21/99

Analyte		Result	EQL	Units	Code	Analysis Date	Analysis Method
Aroclor 1016	<	10	10	ug/L		5/4/99	SW846 8082
Aroclor 1221	<	10	10	ug/L		5/4/99	SW846 8082
Aroclor 1232	<	10	10	ug/L		5/4/99	SW846 8082
Aroclor 1242	<	10	10	ug/L		5/4/99	SW846 8082

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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE
Project Number : 2018080001
Field ID : L314
Lab Sample Number : 991310-004
Lab Project Number : 991310

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 5/27/99
Collection Date : 4/14/99
Matrix Type : LEACHATE
WI DNR LAB ID : 113172950

Aroclor 1248	<	10	10	ug/L		5/4/99	SW846 8082
Aroclor 1254	<	10	10	ug/L		5/4/99	SW846 8082
Aroclor 1260	<	10	10	ug/L		5/4/99	SW846 8082

SPECIAL PESTICIDE LIST — **Prep Method:** SW846 3510 — **Prep Date:** 4/21/99

Analyte		Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	<	1.0	1.0	ug/L	F	4/27/99	SW846 8081
4,4'-DDE	<	1.0	1.0	ug/L	F	4/27/99	SW846 8081
4,4'-DDT	<	1.0	1.0	ug/L	F	4/27/99	SW846 8081
Aldrin	<	0.50	0.50	ug/L	F	4/27/99	SW846 8081
alpha BHC	<	0.50	0.50	ug/L	F	4/27/99	SW846 8081
beta-BHC	<	0.50	0.50	ug/L	F	4/27/99	SW846 8081
Chlordane, technical	<	10	10	ug/L	F	4/27/99	SW846 8081
delta-BHC	<	0.50	0.50	ug/L	F	4/27/99	SW846 8081
Dieldrin	<	1.0	1.0	ug/L	F	4/27/99	SW846 8081
Endosulfan I	<	0.50	0.50	ug/L	F	4/27/99	SW846 8081
Endosulfan II	<	1.0	1.0	ug/L	F	4/27/99	SW846 8081
Endosulfan sulfate	<	1.0	1.0	ug/L	F	4/27/99	SW846 8081
Endrin	<	1.0	1.0	ug/L	F	4/27/99	SW846 8081
Endrin aldehyde	<	1.0	1.0	ug/L	F	4/27/99	SW846 8081
gamma-BHC (Lindane)	<	0.50	0.50	ug/L	F	4/27/99	SW846 8081
Heptachlor	<	0.50	0.50	ug/L	F	4/27/99	SW846 8081
Heptachlor epoxide	<	0.50	0.50	ug/L	F	4/27/99	SW846 8081
Methoxychlor	<	5.0	5.0	ug/L	F	4/27/99	SW846 8081
Toxaphene	<	50	50	ug/L	F	4/27/99	SW846 8081

WINNEBAGO ANNUAL 8141 — **Prep Method:** SW846 3520 — **Prep Date:** 4/19/99

Analyte		Result	EQL	Units	Code	Analysis Date	Analysis Method
Alachlor	<	2.0	2.0	ug/L	SUB	5/6/99	SW846 8141
Atrazine		5.1	2.0	ug/L	SUB	5/6/99	SW846 8141
Parathion	<	1.0	1.0	ug/L	SUB	5/6/99	SW846 8141

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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE
Project Number : 2018080001
Field ID : L314
Lab Sample Number : 991310-004
Lab Project Number : 991310

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 5/27/99
Collection Date : 4/14/99
Matrix Type : LEACHATE
WI DNR LAB ID : 113172950

WINNEBAGO ANNUAL 8151 — Prep Method: SW846 3520 — Prep Date: 4/20/99

Analyte		Result	EQL	Units	Code	Analysis Date	Analysis Method
2,4,5-TP (Silvex)	<	5.0	5.0	ug/L	SUB	4/26/99	SW846 8151
2,4-D	<	5.0	5.0	ug/L	SUB	4/26/99	SW846 8151

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER — Prep Method: SW846 5030B

Analyte		Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1,2-Tetrachloroethane	<	25	25	ug/L	W	4/16/99	SW846 8260B
1,1,1-Trichloroethane	<	25	25	ug/L	W	4/16/99	SW846 8260B
1,1,2,2-Tetrachloroethane	<	25	25	ug/L	W	4/16/99	SW846 8260B
1,1,2-Trichloroethane	<	25	25	ug/L	W	4/16/99	SW846 8260B
1,1-Dichloroethane	<	25	25	ug/L	W	4/16/99	SW846 8260B
1,1-Dichloroethene	<	25	25	ug/L	W	4/16/99	SW846 8260B
1,1-Dichloropropene	<	25	25	ug/L	W	4/16/99	SW846 8260B
1,2,3-Trichlorobenzene	<	25	25	ug/L	W	4/16/99	SW846 8260B
1,2,3-Trichloropropane	<	25	25	ug/L	W	4/16/99	SW846 8260B
1,2,4-Trichlorobenzene	<	25	25	ug/L	W	4/16/99	SW846 8260B
1,2,4-Trimethylbenzene	<	25	25	ug/L	W	4/16/99	SW846 8260B
1,2-Dibromo-3-chloropropane	<	50	50	ug/L	W	4/16/99	SW846 8260B
1,2-Dibromoethane	<	25	25	ug/L	W	4/16/99	SW846 8260B
1,2-Dichlorobenzene	<	25	25	ug/L	W	4/16/99	SW846 8260B
1,2-Dichloroethane	<	25	25	ug/L	W	4/16/99	SW846 8260B
1,2-Dichloropropane	<	25	25	ug/L	W	4/16/99	SW846 8260B
1,3,5-Trimethylbenzene	<	25	25	ug/L	W	4/16/99	SW846 8260B
1,3-Dichlorobenzene	<	25	25	ug/L	W	4/16/99	SW846 8260B
1,3-Dichloropropane	<	25	25	ug/L	W	4/16/99	SW846 8260B
1,4-Dichlorobenzene	<	25	25	ug/L	W	4/16/99	SW846 8260B
1-Propanol	<	2500	2500	ug/L	W	4/16/99	SW846 8260B
2,2-Dichloropropane	<	25	25	ug/L	W	4/16/99	SW846 8260B
2-Butanone	<	130	130	ug/L	W	4/16/99	SW846 8260B
2-Chloroethylvinylether	<	130	130	ug/L	W	4/16/99	SW846 8260B
2-Chlorotoluene	<	25	25	ug/L	W	4/16/99	SW846 8260B
2-Hexanone	<	130	130	ug/L	W	4/16/99	SW846 8260B

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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE
Project Number : 2018080001
Field ID : L314
Lab Sample Number : 991310-004
Lab Project Number : 991310

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 5/27/99
Collection Date : 4/14/99
Matrix Type : LEACHATE
WI DNR LAB ID : 113172950

4-Chlorotoluene	<	25	25	ug/L	W	4/16/99	SW846 8260B
4-Methyl-2-pentanone	<	130	130	ug/L	W	4/16/99	SW846 8260B
Acetone	<	130	130	ug/L	W	4/16/99	SW846 8260B
Benzene	<	25	25	ug/L	W	4/16/99	SW846 8260B
Bromobenzene	<	25	25	ug/L	W	4/16/99	SW846 8260B
Bromochloromethane	<	25	25	ug/L	W	4/16/99	SW846 8260B
Bromodichloromethane	<	25	25	ug/L	W	4/16/99	SW846 8260B
Bromoform	<	25	25	ug/L	W	4/16/99	SW846 8260B
Bromomethane	<	50	50	ug/L	W	4/16/99	SW846 8260B
Carbon disulfide	<	25	25	ug/L	W	4/16/99	SW846 8260B
Carbon tetrachloride	<	25	25	ug/L	W	4/16/99	SW846 8260B
Chlorobenzene	<	25	25	ug/L	W	4/16/99	SW846 8260B
Chlorodibromomethane	<	25	25	ug/L	W	4/16/99	SW846 8260B
Chloroethane	<	50	50	ug/L	W	4/16/99	SW846 8260B
Chloroform	<	25	25	ug/L	W	4/16/99	SW846 8260B
Chloromethane	<	50	50	ug/L	W	4/16/99	SW846 8260B
cis-1,2-Dichloroethene	<	25	25	ug/L	W	4/16/99	SW846 8260B
cis-1,3-Dichloropropene	<	25	25	ug/L	W	4/16/99	SW846 8260B
Dibromomethane	<	25	25	ug/L	W	4/16/99	SW846 8260B
Dichlorodifluoromethane	<	50	50	ug/L	W	4/16/99	SW846 8260B
Ethyl acetate	<	130	130	ug/L	W	4/16/99	SW846 8260B
Ethylbenzene		48	25	ug/L	W	4/16/99	SW846 8260B
Fluorotrichloromethane	<	50	50	ug/L	W	4/16/99	SW846 8260B
Iodomethane	<	130	130	ug/L	W	4/16/99	SW846 8260B
Isopropyl alcohol	<	25000	25000	ug/L	W	4/16/99	SW846 8260B
Isopropylbenzene	<	25	25	ug/L	W	4/16/99	SW846 8260B
Methylene chloride		26	25	ug/L	W	4/16/99	SW846 8260B
n-Butanol	<	2500	2500	ug/L	W	4/16/99	SW846 8260B
n-Butylbenzene	<	25	25	ug/L	W	4/16/99	SW846 8260B
n-Propylbenzene	<	25	25	ug/L	W	4/16/99	SW846 8260B
p-Isopropyltoluene	<	25	25	ug/L	W	4/16/99	SW846 8260B
s-Butylbenzene	<	25	25	ug/L	W	4/16/99	SW846 8260B
Styrene	<	25	25	ug/L	W	4/16/99	SW846 8260B
t-Butylbenzene	<	25	25	ug/L	W	4/16/99	SW846 8260B
Tetrachloroethene	<	25	25	ug/L	W	4/16/99	SW846 8260B

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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE
Project Number : 2018080001
Field ID : L314
Lab Sample Number : 991310-004
Lab Project Number : 991310

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 5/27/99
Collection Date : 4/14/99
Matrix Type : LEACHATE
WI DNR LAB ID : 113172950

Tetrahydrofuran		840	130	ug/L	W	4/16/99	SW846 8260B
Toluene		110	25	ug/L	W	4/16/99	SW846 8260B
trans-1,2-Dichloroethene	<	25	25	ug/L	W	4/16/99	SW846 8260B
trans-1,3-Dichloropropene	<	25	25	ug/L	W	4/16/99	SW846 8260B
trans-1,4-Dichloro-2-butene	<	130	130	ug/L	W	4/16/99	SW846 8260B
Trichloroethene	<	25	25	ug/L	W	4/16/99	SW846 8260B
Vinyl acetate	<	25	25	ug/L	W	4/16/99	SW846 8260B
Vinyl chloride	<	50	50	ug/L	W	4/16/99	SW846 8260B
Xylene, total		92	50	ug/L	W	4/16/99	SW846 8260B

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Inorganic Data Qualifier Sheet

B(x)	Analyte is detected in the method blank at "x" concentration. Method blank criteria is evaluated to the laboratory LOD. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
BB	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
BD	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
BI	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
BL	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
BX	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
DA	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
DF	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria. (See Sample Narrative).
E	Estimated concentration due to matrix interferences. During the metals analysis using the inductively coupled plasma (ICP), the serial dilution failed to meet the established control limits of 0-10% and the sample concentrations greater than 50 times the EQL. The result was flagged with the E qualifier to indicate that a physical interference was observed.
ED	Elevated detection limit due to matrix effects.
G	Unable to determine precision due to matrix interference.
H(n)	Analysis performed "n" days past holding time (See Sample Narrative).
K	Sample received unpreserved. Sample was either preserved at the time of receipt or at the time of sample preparation.
LV	Elevated detection limit due to low sample volume.
MS	Either the matrix spike or matrix spike duplicate was outside of the acceptable control limits. The Laboratory Control Sample was within the acceptable control limits.
N	Spiked sample recovery not within control limits; post-digestion spike recovery accepted.
NP	Digested and post-digested spike recoveries fail accuracy control limits.
NR	Not required.
Q	The analyte has been detected between the Limit of Detection (LOD) and Limit of Quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
Sub	Assay was subcontracted to an approved lab.
UN	Unable to preserve sample due to matrix.

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See sample narrative.

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* Duplicate analyses not within control limits.

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Data Qualifier Sheet

B(*x*)	Analyte is detected in the method blank at "x" concentration. Method blank criteria is evaluated to the laboratory LOD. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
C	Elevated detection limit (see Sample Narrative).
D	Analyte value from diluted analysis.
DL	No surrogate recovery available due to sample dilution.
E	Analyte concentration exceeds calibration range (see Sample Narrative).
F	Repeated surrogate failure (see Sample Narrative).
G	Sample exhibits hydrocarbon pattern resembling gasoline.
H(n)	Analysis performed "n" days past holding time.
J	Qualitative mass spectral evidence of analyte present: concentration is less than the reporting limit.
K	Detection Limit may be elevated due to the presence of an unrequested analyte (see Sample Narrative).
L	Detects in trip blank.
M	Methanol leakage.
ND	Not Detected.
NR	Not Required.
P	Sample vial used previous analysis.
Q	The analyte has been detected between the Limit of Detection (LOD) and limit of Quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
U#	Elevated LOD due to matrix interference.
V	Heavy hydrocarbon present.
W	Sample received with headspace.
X	See Sample Narrative
Z	See Sample Narrative
SUB	Assay was subcontracted to an approved lab.

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SAMPLE NARRATIVE
VOLATILE GC/MS ORGANIC ANALYSIS

PROJECT NAME:	WINNEBAGO
WORKORDER NUMBER:	991310
DATE:	04/26/99

Sample numbers 991310-002 (L315) and 991310-004 (L314) were analyzed at a 1:25 dilution due to sample matrix (the samples foamed during the purge cycle). The reported results were elevated accordingly.

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SAMPLE NARRATIVE
PESTICIDE/PCB ANALYSIS

PROJECT NAME:	WINNEBAGO
WORKORDER NUMBER:	991310
DATE:	5/7/99

Sample numbers 991310-001(L313)), 991310-002(L315), 991310-003(L316), and 991310-001(L314) had only 100mls extracted. The detection limits are raised accordingly. The TCMX surrogate recoveries for these samples were below the QC limit. Samples were re-extracted using 50 mls of sample. The surrogate recoveries on the re-extracted analysis displayed the same trend as the original extraction, therefore, the low recoveries were attributed to matrix effects. The original analysis is being reported.

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SAMPLE NARRATIVE
PCB ANALYSIS

PROJECT NAME:	WINNEBAGO
WORKORDER NUMBER:	991310
DATE:	5/7/99

Samples 991310-001 and 991310-003 had low surrogate recoveries and were re-extracted using a lower volume of sample. However, the surrogate recoveries of the re-extracted samples followed a similar trend to the original extraction so the original analysis was reported and marked with a F flag.

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SAMPLE NARRATIVE
SEMIVOLATILE GC/MS ORGANIC ANALYSIS

PROJECT NAME:	WINNEBAGO
WORKORDER NUMBER:	991310
DATE:	5/3/99

Sample numbers 991310-001(L313), 991310-002(L315), 991310-003(L316), and 991310-001(L314) had only 200mls extracted and was diluted 1:10 prior to analysis due to the sample matrix. The detection limits are raised accordingly.

Company Name: Winnebago Reclamation
Branch or Location: Rockford
Project Contact: Tom Hilbert
Telephone: (815) 874-4806
Project Number: 2018080001
Project Name: Page 1 Northern Leachate Annual + Quarterly
Project State: IL
Sampled By (Print): T. Dushek, M. Gilmer

Regulatory Program (circle): UST RCRA CLP SDWA NPDES/WPDES CAA NR
Other

NR720 Confirmation Analysis Required? (circle): Y N
(En Chem will not confirm unless otherwise instructed.)

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Page 1 of 3
P.O. # Quote #
Mail Report To: Tom Hilbert
Company: Winnebago
Address: 8403 Lindenwood Rockford, IL 61109
Invoice To: same as above
Company:
Address:
Mail Invoice To:

ANALYSES REQUESTED

FILTERED? (YES/NO)	N	N	N	N	N	N	N	N
PRESERVATION (CODE)*	D	D	A	G	A	C	C	G

FIELD ID	SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	As(7060) Cd(7131) Pb(7421)	Hg(7470) Ba, Cr, Cu, Fe, Mn, Ni, Zn	Cr(7196) Ag(7761)	Cyanide (9012A)	Sulfide (300.0) Cl(300.0) TDS(160.1)	O&G (413.1) TSS(160.2) NO3(300.0)	Phenolics (420.2) 8296	COD(410.4) TPO4(365.1)	NH3(350.3) BOD5(405.1) Calcium(SM9230)	FIELD SCREEN	MATRIX	GOOD COND.	TOTAL BOTTLES	COMMENTS	LABORATORY NUMBER
	L313	4/14	1030	✓	✓	✓	✓	✓	✓	✓	✓			W	✓	20		99/310-001
	L314																	
	L315	4/14	1005	✓	✓	✓	✓	✓	✓	✓	✓			W	↓	20		002
	L316	4/14	0925	✓	✓	✓	✓	✓	✓	✓	✓			W		20		003

Due to Matrix of Samp. 1 EnChem received 4 Wipe Samps. at 14°C As Per Tom Dushek Phone Conversation on 4/14/99

SHADED AREA FOR LABORATORY USE ONLY

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol**
G=NaOH O=Other (Indicate)

**If not using En Chem's methanol, indicate volume of methanol added and mark the appropriate samples.

Relinquished By:	Date/Time:	Received By:	Date/Time:
T. Dushek	4-14-99 4/13/99 1050	J. C. Jackson	4-14-99 10:50
J. C. Jackson	4-14-99 12:20	Bill Moltemeyer	4/14/99 1220

En Chem Project No.
Sample Receipt Temp. [redacted] NC
Sample Receipt pH (Wet/Metals) See NC
Custody Seal

Company Name: Winnebago Reclamation
Branch or Location: Rockford
Project Contact: Tom Hilbert
Telephone: (815) 874-4806
Project Number: 20180800001
Project Name: Page 1 Northern Leachate Annual + Quarterly
Project State: IL
Sampled By (Print): T. Dushek, M. Gilmer

Regulatory Program (circle): UST RCRA CLP SDWA NPDES/WPDES CAA NR
Other

NR720 Confirmation Analysis Required? (circle): Y N
(En Chem will not confirm unless otherwise instructed.)

EN CHEM INC.

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715-392-5844 • 1-800-837-8238
FAX 715-392-5843

CHAIN OF CUSTODY

35680

Page 2 of 3

P.O. # Quote #

Mail Report To:
Company:
Address:

Invoice To:
Company:
Address:

Mail Invoice To:

FILTERED? (YES/NO)
PRESERVATION (CODE)*

ANALYSES REQUESTED: VOCs (8260) see list; SVOC (8270) see list; Carbamates (8318) see list; Pest/PCB (8081A/8082) see list; OP Pesticides (8141) see list; Herbicides (8151) see list; Tetrachlorodibenzo-p-Dioxins (8280); Tritium

FIELD ID	SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	VOCs (8260)	SVOC (8270)	Carbamates (8318)	Pest/PCB (8081A/8082)	OP Pesticides (8141)	Herbicides (8151)	Tetrachlorodibenzo-p-Dioxins (8280)	Tritium	FIELD SCREEN	MATRIX	GOOD COND.	TOTAL BOTTLES	COMMENTS	LABORATORY NUMBER
	L313	4/14	1030	✓	✓	✓	✓	✓	✓	✓	✓		W	See NC	20		991310-001
	L314																
	L315	4/14	1005	✓	✓	✓	✓	✓	✓	✓	✓		W	↓	20		002
	L316	4/14	0925	✓	✓	✓	✓	✓	✓	✓	✓		W		20		003

SHADED AREA FOR LABORATORY USE ONLY

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol**
G=NaOH O=Other (Indicate)

**If not using En Chem's methanol, indicate volume of methanol added and mark the appropriate samples.

Relinquished By:	Date/Time:	Received By:	Date/Time:
T. J. Dushek	4-14-99 4/13/99 1050	John C. Jackson	4-14-99 10:50
John C. Jackson	4-14-99 12:20	Bill Rottemayer	4/14/99 1220

En Chem Project No.
Sample Receipt Temp. [redacted] NC
Sample Receipt pH (Wet/Metals)
Custody Seal N

Company Name: Winnebago Reclamation
Branch or Location: Rockford
Project Contact: Tom Hilbert
Telephone: (815) 874-4806
Project Number: 201808 0001
Project Name: Page1 Northern Leachate Annual + Quarterly
Project State: IL
Sampled By (Print): T. Dushek, M. Gilmer

Regulatory Program (circle): UST RCRA CLP SDWA NPDES/WPDES CAA NR
Other

NR720 Confirmation Analysis Required? (circle): Y N
(En Chem will not confirm unless otherwise instructed.)

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FAX 715-392-5843

CHAIN OF CUSTODY

35682

Page 3 of 3
P.O. # Quote #
Mail Report To: Tom Hilbert
Company: Winnebago
Address: 8403 Lindenwood
Rockford, IL 61109
Invoice To: Same as above
Company:
Address:
Mail Invoice To:

ANALYSES REQUESTED: Al, Sb, Be, B, Co, Sn, Ti, V, Ca, Mg, K, Na, Se (6010); Bicarbonate (SM2320B); TOC (415.1); TSS (Method 160.2); Alkalinity (310.1); Cal. 1.0

FIELD ID	SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	Al,Sb,Be	B,Co,Sn,Ti,V	Ca,Mg,K,Na,Se	Bicarbonate	TOC	TSS				FIELD SCREEN	MATRIX	GOOD COND.	TOTAL BOTTLES	COMMENTS	LABORATORY NUMBER
	L313	4/14	1030	✓	✓	✓	✓							W	See NC	20		991310-001
	L314																	
	L315	4/14	1005	✓	✓	✓	✓							W	↓	20		002
	L316	4/14	0925	✓	✓	✓	✓							W		20		003

SHADED AREA FOR LABORATORY USE ONLY

*Preservation Code
A=None B=HCL C=H2SO4
D=HN03 E=EnCore F=Methanol**
G=NaOH O=Other (Indicate)

**If not using En Chem's methanol, indicate volume of methanol added and mark appropriate samples

Relinquished By:	Date/Time:	Received By:	Date/Time:
T. Dushek	4/14/99 1050	John Jacobson	4-14-99 10:30
John Jacobson	4-14-99 12:20	Bill Rottemeyer	4/14/99 1220

En Chem Project No.
Sample Receipt Temp. See NC
Sample Receipt pH (Wet/Metals)
Custody Seal

Company Name: Winnebago Reclamation
Branch or Location: Rockford
Project Contact: Tom Hilbert
Telephone: (815) 874-4806
Project Number: 2018080001
Project Name: Page Northern Leachate Annual + Quarterly
Project State: IL
Sampled By (Print): T. Dushek, M. Gilmer

Regulatory Program (circle): UST RCRA CLP SDWA NPDES/WPDES CAA NR
Other

NR720 Confirmation Analysis Required? (circle): Y N
(En Chem will not confirm unless otherwise instructed.)

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FAX 715-392-5843

CHAIN OF CUSTODY

35630

P.O. # Quote #
Mail Report To:
Company:
Address:
Invoice To:
Company:
Address:
Mail Invoice To:

FILTERED? (YES/NO)
PRESERVATION (CODE)*

ANALYSES REQUESTED

FIELD ID	SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	VOCs (8260) see list	SVOC (8270) see list	Carbamates (8318) see list	Pest/PCB (8081A/8082) see list	OP Pesticides (8141) see list	Herbicides (8151) see list	Tetrachlorodibenzo-p-Dioxins (8280) see list	Tritium	FIELD SCREEN	MATRIX	GOOD COND.	TOTAL BOTTLES	COMMENTS	LABORATORY NUMBER
	L313																
	L314	4/14	1125	✓	✓	✓	✓	✓	✓	✓	✓		W		20		991310-001
	L315																
	L316																

SHADED AREA FOR LABORATORY USE ONLY

*Preservation Code
A=None B=HCL C=H2SO4
D=HN03 E=EnCore F=Methanol**
G=NaOH O=Other (Indicate)

**If not using En Chem's methanol, indicate volume of methanol added and mark the appropriate samples.

Relinquished By:	Date/Time:	Received By:	Date/Time:
T. J. Dushek	4/14/99 1400	John C. Jackson	4-14-99 14:00
John C. Jackson	4-14-99 16:25	[illegible]	4/14/99 1605

En Chem Project No.
Sample Receipt Temp. [redacted] 14°C
Sample Receipt pH (Wet/Metals)
Custody Seal

Company Name: Winnebago Reclamation
Branch or Location: Rockford
Project Contact: Tom Hilbert
Telephone: (815) 874-4806
Project Number: 201 808 0001
Project Name: Page 1 Northern Leachate Annual + Quarterly
Project State: IL
Sampled By (Print): T. Dushek, M. Gilmer

Regulatory Program (circle): UST RCRA CLP SDWA NPDES/WPDES CAA NR
Other

NR720 Confirmation Analysis Required? (circle): Y N
(En Chem will not confirm unless otherwise instructed.)

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FAX 715-392-5843

CHAIN OF CUSTODY

35679

Page 1 of 3

P.O. # Quote #

Mail Report To: Tom Hilbert
Company: Winnebago
Address: 8403 Lindenwood
Rockford, IL 61109

Invoice To: same as above
Company:
Address:

Mail Invoice To:

ANALYSES REQUESTED	As(7060) Cd(7131) Pb(7421) Ba, Cr, Cu, Fe, Mn, Ni, Zn Hg(7470) Ag(6010)	Cyanide (9012A) (7196) (7-4)	Sulfide (300.0) Chloride (300.0) TSS (160.2) TDS (160.1)	Oil & G. (413.1) Phenolics (420.2) COD (410.4) TPO4 (365.1) NH3 (350.3) Kjel (351.3)	BOD5 (405.1)	FIELD SCREEN	MATRIX	GOOD COND.	TOTAL BOTTLES	COMMENTS	LABORATORY NUMBER
FILTERED? (YES/NO)	N N N N N N N N										
PRESERVATION (CODE)*	D D A G A C C A										

SHADED AREA FOR LABORATORY USE ONLY

FIELD ID	SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	As(7060)	Cd(7131)	Pb(7421)	Ba, Cr, Cu, Fe, Mn, Ni, Zn	Hg(7470)	Ag(6010)	Cyanide (9012A)	Sulfide (300.0)	Chloride (300.0)	TSS (160.2)	TDS (160.1)	Oil & G. (413.1)	Phenolics (420.2)	COD (410.4)	TPO4 (365.1)	NH3 (350.3)	Kjel (351.3)	BOD5 (405.1)	FIELD SCREEN	MATRIX	GOOD COND.	TOTAL BOTTLES	COMMENTS	LABORATORY NUMBER
	L313																										
	L314	4/14	1125	✓	✓	✓	✓	✓	✓	✓	✓												W		20		991310-a
	L315																										
	L316																										

*Preservation Code
A=None B=HCL C=H2SO4
D=HN03 E=EnCore F=Methanol**
G=NaOH O=Other (Indicate)

**If not using En Chem's methanol, indicate volume of methanol added and mark proprietary sampler

Relinquished By:	Date/Time:	Received By:	Date/Time:	En Chem Project No.
T.J. Dushek	4/14/99 1400	John C. Jacobson	4-14-99 1400	
Relinquished By: John C. Jacobson 4-14-99	Date/Time: 6:25	Received By: Mark Buerd	Date/Time: 4/14/99 1605	Sample Receipt Temp. 4 °C
Relinquished By:	Date/Time:	Received By:	Date/Time:	Sample Receipt pH (Wet/Metals) Na
Relinquished By:	Date/Time:	Received By:	Date/Time:	Custody Seal

Company Name: Winnebago Reclamation
Branch or Location: Rockford
Project Contact: Tom Hilbert
Telephone: (815) 874-4806
Project Number: 2018080001
Project Name: Page 1 Northern Leachate Annual + Quarterly
Project State: IL
Sampled By (Print): T. Dushek, M. Gilmer

Regulatory Program (circle): UST RCRA CLP SDWA
NPDES/WPDES CAA NR
Other

NR720 Confirmation Analysis Required? (circle): Y N
(En Chem will not confirm unless otherwise instructed.)

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FAX 715-392-5843

CHAIN OF CUSTODY

35679

Page 1 of 3

P.O. #
Quote #

Mail Report To: Tom Hilbert
Company: Winnebago
Address: 8403 Lindenwood
Rockford, IL 61109

Invoice To: same as above
Company:
Address:

Mail Invoice To:

ANALYSES REQUESTED

FILTERED? (YES/NO)																									
PRESERVATION (CODE)*																									
FIELD ID	SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	As(7060) Cd(7131) Pb(7421)	Hg(7470)	Ba, Cr, Cu, Fe, Mn, Ni, Zn Se(6010)	Cr(7196)	Cyanide (9012A)	Sulfate (300.0) Cl(300.0)	TDS(160.1) TSS(160.2)	O+G (413.1)	Phenolics (420.2)	COD(410.4)	NH3(350.3) TPO4(365.1)	BOD5(405.1)	Coliform (SM9222D)	Fecal	FIELD SCREEN	MATRIX	GOOD COND.	TOTAL BOTTLES	COMMENTS	LABORATORY NUMBER
	L313	4/14	1030	✓	✓	✓	✓	✓	✓	✓	✓		W	See NC	20		991310-001
	L314																
	L315	4/14	1005	✓	✓	✓	✓	✓	✓	✓	✓		W	↓	20		002
	L316	4/14	0925	✓	✓	✓	✓	✓	✓	✓	✓		W		20		003

SHADED AREA FOR LABORATORY USE ONLY

*Preservation Code
A=None B=HCL C=H2SO4
D=HN03 E=EnCore F=Methanol**
G=NaOH O=Other (Indicate)

**If not using En Chem's methanol, indicate volume of methanol added and mark the appropriate samples.

Relinquished By:	Date/Time:	Received By:	Date/Time:
T. J. Dushek	4-14-99 4/13/99 1050	John C. Jackson	4-13-99 10.50
John C. Jackson	4-14-99 12:20	Bill Noltemeyer	4/14/99 1220

En Chem Project No.
Sample Receipt Temp. ROI See NC
Sample Receipt pH (Wet/Metals) See NC
Custody Seal N

Company Name: Winnebago Reclamation
Branch or Location: Rockford
Project Contact: Tom Hilbert
Telephone: (815) 874-4806
Project Number: 2018080001
Project Name: Page 1 Northern Leachate - Annual + Quarterly
Project State: IL
Sampled By (Print): T. Dushek, M. Gilmer

Regulatory Program (circle): UST RCRA CLP SDWA NPDES/WPDES CAA NR
Other

NR720 Confirmation Analysis Required? (circle): Y N
(En Chem will not confirm unless otherwise instructed.)

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Superior, WI 54880
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FAX 715-392 5843

CHAIN OF CUSTODY

35680

Page 2 of 3

PO # Quote #

Mail Report To
Company
Address

Invoice To:
Company:
Address:

Mail Invoice To:

FILTERED? (YES/NO)
PRESERVATION (CODE)*

ANALYSES REQUESTED: VOCs (8260) see list; SVOC (8270) see list; Carbamates (8318) see list; Pest/PCB (608/8082) see list; OP Pesticides (8141) see list; Herbicides (8151) see list; Tetrachlorodibenzo-p-Dioxins (8290) see list; Tritium

FIELD ID	SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	VOCs (8260)	SVOC (8270)	Carbamates (8318)	Pest/PCB (608/8082)	OP Pesticides (8141)	Herbicides (8151)	Tetrachlorodibenzo-p-Dioxins (8290)	Tritium	FIELD SCREEN	MATRIX	GOOD COND.	TOTAL BOTTLES	COMMENTS	LABORATORY NUMBER
	L313	4/14	1030	✓	✓	✓	✓	✓	✓	✓	✓		W	See NC	20		991310-001
	L314																
	L315	4/14	1005	✓	✓	✓	✓	✓	✓	✓	✓		W	↓	20		002
	L316	4/14	0925	✓	✓	✓	✓	✓	✓	✓	✓		W		20		003

SHADED AREA FOR LABORATORY USE ONLY

*Preservation Code
A=None B=HCL C=H2SO4
D=HN03 E=EnCore F=Methanol**
G=NaOH O=Other (Indicate)

**If not using En Chem's methanol, indicate volume of methanol added and mark the appropriate samples.

Relinquished By:	Date/Time:	Received By:	Date/Time:
T. J. Dushek	4-14-99 4/13/99 1050	John C. Jacobson	4-14-99 10:50
John C. Jacobson	4-14-99 12:20	Bill Rottemeyer	4/14/99 1220

En Chem Project No.

Sample Receipt Temp. ROI See NC

Sample Receipt pH (Wet/Metals)

Custody Seal N

Company Name: Winnebago Reclamation
Branch or Location: Rockford
Project Contact: Tom Hilbert
Telephone: (815) 874-4806
Project Number: 201808000.1
Project Name: Pagel Northern Leachate Annual + Quarterly
Project State: IL
Sampled By (Print): T. Dushek, M. Gilmer

Regulatory Program (circle): UST RCRA CLP SDWA NPDES/WPDES CAA NR
Other

NR720 Confirmation Analysis Required? (circle): Y N
(En Chem will not confirm unless otherwise instructed.)

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Superior, WI 54880
715-392-5844 • 1-800 837-8238
FAX 715-392-5843

CHAIN OF CUSTODY

35632

P.O. # Quote #

Mail Report To: Tom Hilbert
Company: Winnebago
Address: 8403 Lindenwood Rockford, IL 61109

Invoice To: Same as above
Company:
Address:

Mail Invoice To:

FILTERED? (YES/NO)
PRESERVATION (CODE)*

ANALYSES REQUESTED: Al, Sb, Be, B, Co, Sn, Ti, V, Ca, Mg, K, Na, Se (6010); Bicarbonate (SM2320B); TOC (415.1); TSS (160.2); TDS 160.1 already run cal 1/23

FIELD ID	SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	Al,Sb,Be,B,Co,Sn,Ti,V,Ca,Mg,K,Na,Se (6010)	Bicarbonate (SM2320B)	TOC (415.1)	TSS (160.2)					FIELD SCREEN	MATRIX	GOOD COND.	TOTAL BOTTLES	COMMENTS	LABORATORY NUMBER
	L313	4/14	1030	✓	✓	✓	✓						W	See NC	20		991310-001
	L314																
	L315	4/14	1005	✓	✓	✓	✓						W	↓	20		002
	L316	4/14	0925	✓	✓	✓	✓						W		20		003

SHADED AREA FOR LABORATORY USE ONLY

*Preservation Code
A=None B=HCL C=H2SO4
D=HN03 E=EnCore F=Methanol**
G=NaOH O=Other (Indicate)

**If not using En Chem's methanol, indicate volume of methanol added and mark the appropriate samples.

Relinquished By:	Date/Time:	Received By:	Date/Time:
T. Dushek	4/14/99 1050	John Jacobson	4-14-99 10:50
John Jacobson	4-14-99 12:20	Bill Pottemeyer	4/14/99 1220

En Chem Project No.:
Sample Receipt Temp.: ROI See NC
Sample Receipt pH (Wet/Metals):
Custody Seal: N

Company Name: Winnebago Reclamation
Branch or Location: Rockford
Project Contact: Tom Hilbert
Telephone: (815) 874-4806
Project Number: 2018080001
Project Name: Page Northern Leachate - Annual + Quarterly
Project State: IL
Sampled By (Print): T. Dushek, M. Gilmer

Regulatory Program (circle): UST RCRA CLP SDWA NPDES/WPDES CAA NR ____ Other

NR720 Confirmation Analysis Required? (circle): Y N
(En Chem will not confirm unless otherwise instructed.)

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FAX: 608-233-0502

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Superior, WI 54880
715-392 5844 • 1-800-837 8238
FAX 715-392 5843

CHAIN OF CUSTODY

35630

PO. # Quote #
Mail Report To
Company
Address
Invoice To
Company:
Address:
Mail Invoice To:

FILTERED? (YES/NO)
PRESERVATION (CODE)*

ANALYSES REQUESTED

FIELD ID	SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	VOCs (8260) see list	SVOC (8270) see list	Carbamates (8318) see list	Pest/PCB (8081A/8082) see list	OP Pesticides (8141) see list	Herbicides (8151) see list	Tetrachlorodibenzo-p-Dioxins (8280) see list	Tritium	FIELD SCREEN	MATRIX	GOOD COND.	TOTAL BOTTLES	COMMENTS	LABORATORY NUMBER
	L313																
	L314	4/14	1125	✓	✓	✓	✓	✓	✓	✓	✓		W		20		991310-001
	L315																
	L316																

SHADED AREA FOR LABORATORY USE ONLY

*Preservation Code
A=None B=HCL C=H2SO4
D=HN03 E=EnCore F=Methanol**
G=NaOH O=Other (Indicate)

**If not using En Chem's methanol, indicate volume of methanol added and mark the appropriate samples

Relinquished By:	Date/Time:	Received By:	Date/Time:
T. J. Dushek	4/14/99 1400	John C. Jacobson	4-14-99 14:00
John C. Jacobson	4-14-99 16:25	[illegible signature]	4/14/99 1605

En Chem Project No.
Sample Receipt Temp. ROI 14°C
Sample Receipt pH (Wet/Metals) NA
Custody Seal

Company Name: Winnebago Reclamation
Branch or Location: Rockford
Project Contact: Tom Hilbert
Telephone: (815) 874-4806
Project Number: 2018080001
Project Name: Page 1 Northern Leachate Annual + Quarterly
Project State: IL
Sampled By (Print): T. Dushek, M. Gilmer

Regulatory Program (circle): UST RCRA CLP SDWA
NPDES/WPDES CAA NR
Other

NR720 Confirmation Analysis Required? (circle): Y N
(En Chem will not confirm unless otherwise instructed.)

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Madison, WI 53711
608-232-3300 • 1-888-536-2436
FAX: 608-233-0502

☐ 1423 N. 8th Street, Suite 122
Superior, WI 54880
715-392-5844 • 1-800-837-8238
FAX 715-392-5843

CHAIN OF CUSTODY

35679

PO # Quote #

Mail Report To: Tom Hilbert
Company: Winnebago
Address: 8403 Lindenwood
Rockford, IL 61109

Invoice To: same as above
Company:
Address:

Mail Invoice To:

ANALYSES REQUESTED

FILTERED? (YES/NO)	N	N	N	N	N	N	N	N
PRESERVATION (CODE)*	D	D	A	G	A	C	C	A

FIELD ID	SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	As(7060) Pb(7421)	Hg(7470) Cd(7131)	Ba, Cr, Cu, Fe, Mn, Ni, Zn Ag(6010)	Cr(7196)	Cyanide(9012A)	Fluoride(300.0) Cl(300.0)	TDS(160.1) TSS(160.2)	O+G(413.1)	Phenolics(420.2)	COD(410.4)	TPH(310.1)	NH3(350.3)	Kjeldahl N(351.2)	BOD5(405.1)	FIELD SCREEN	MATRIX	GOOD COND.	TOTAL BOTTLES	COMMENTS	LABORATORY NUMBER
	L313																						
	L314	4/14	1125	✓	✓	✓	✓	✓	✓	✓	✓								W		20		991310-004
	L315																						
	L316																						

SHADED AREA FOR LABORATORY USE ONLY

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol**
G=NaOH O=Other (Indicate)

**If not using En Chem's methanol, indicate volume of methanol added and mark the appropriate samples.

Relinquished By:	Date/Time:	Received By:	Date/Time:
T. J. Dushek	4/14/99 1400	John C. Jacobson	4-14-99 1400
John C. Jacobson	4-14-99 6:25	[illegible]	4/14/99 1625

En Chem Project No.:
Sample Receipt Temp.: ROI 14°C
Sample Receipt pH (Wet/Metals): Na
Custody Seal:

Company Name: Winnebago Reclamation
Branch or Location: Rockford
Project Contact: Tom Hilbert
Telephone: (815) 874-4806
Project Number: 201808000.1
Project Name: Pagel Northern Leachate Annual + Quarterly
Project State: IL
Sampled By (Print): T. Dushek, M. Gilmer

Regulatory Program (circle): UST RCRA CLP SDWA NPDES/WPDES CAA NR Other

NR720 Confirmation Analysis Required? (circle): Y N
(En Chem will not confirm unless otherwise instructed.)

EN CHEM INC.

1241 Bellevue St., Suite 9
Green Bay, WI 54302
920-469-2436 • 1-800-736-2436
FAX 920-469-8827

525 Science Drive
Madison, WI 53711
608-232-3300 • 1-888-536-2436
FAX: 608-233-0502

1423 N. 8th Street, Suite 122
Superior, WI 54880
715-392-5844 • 1-800-837-8238
FAX 715-392-5843

CHAIN OF CUSTODY

35682

Page 3 of 3

PO # Quote #

Mail Report To: Tom Hilbert
Company: Winnebago
Address: 8403 Lindenwood
Rockford, IL 61109

Invoice To: Same as above
Company:
Address:

Mail Invoice To:

ANALYSES REQUESTED: As, Sb, Be, B, Co, Sn, Ti, V, Ca, Mg, K, Na, Se (6010); Bicarbonate (SM2320B); TOC (415.1); Cl, SO4, NO3, NO2 (300.0); Alkalinity as CaCO3 (310.2)

FILTERED? (YES/NO)
PRESERVATION (CODE)*

FIELD ID	SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	As, Sb, Be, B, Co, Sn, Ti, V	Ca, Mg, K, Na, Se (6010)	Bicarbonate (SM2320B)	TOC (415.1)	Cl, SO4, NO3, NO2 (300.0)	Alkalinity as CaCO3 (310.2)			FIELD SCREEN	MATRIX	GOOD COND.	TOTAL BOTTLES	COMMENTS	LABORATORY NUMBER
	L313																
	L314	4/14	1125	✓	✓	✓	✓						W		20		991310-004
	L315																
	L316																

SHADED AREA FOR LABORATORY USE ONLY

*Preservation Code
A=None B=HCL C=H2SO4
D=HN03 E=EnCore F=Methanol**
G=NaOH O=Other (Indicate)

**If not using En Chem's methanol, indicate volume of methanol added and mark the appropriate [illegible].

Relinquished By:	Date/Time:	Received By:	Date/Time:
T. J. Dushek	4/14/99 1400	John C. Jacobson	4-14-99 14:00
John C. Jacobson	4-14-99 16:25	[illegible]	4/14/99 1625

En Chem Project No.:
Sample Receipt Temp.: ROI 14°C
Sample Receipt pH (Wet/Metals): No
Custody Seal:

WINNEBAGO RECLAMATION
PAGEL LANDFILL NORTH - UNIT
LEACHATE

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

RECORD CODE: L P C S M 0 1 (7)

TRANS CODE: A (8)

REPORT DUE DATE 7/15/99 (36MDY41)

FEDERAL ID NUMBER

SITE INVENTORY NUMBER 2018080001 (9–18)

MONITOR POINT NUMBER L313 (19–22) (see Instructions)

REGION N CO. Winnebago

DATE COLLECTED 4/14/99 (23MDY28)

FACILITY NAME PAGEL LANDFILL NORTH UNIT GROUNDWATER

FOR IEPA USE ONLY

LAB (29)

DATE RECEIVED / / (42MDY47)

BACKGROUND SAMPLE (X) (54)

TIME COLLECTED 10:30 (24 Hr. Clock) (55HM58)

UNABLE TO COLLECT SAMPLE (59)

MONITOR POINT SAMPLED BY F (60)

OTHER (SPECIFY)

SAMPLE FIELD FILTERED-INORGANICS (X) (61)

ORGANICS (X)

SAMPLE APPEARANCE: Spicy Brown Very (63–102)

COLLECTOR COMMENTS (103–142)

LAB COMMENTS (150–199)

RECORD CODE L P C S M 0 2 TRANS CODE A (COLUMNS 9-29 FNM ABOVE)

	FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER (30–34)	Remarks (35)	Replicate (36)	< OR > (37)	VALUE (38–47)
Q	TEMP OF WATER (unfiltered F)	00011				109.400
Q	SPEC COND (unfiltered umhos)	00094				31000.000
Q	pH (unfiltered units)	00400				8.040
Q	ELEV OF GW SURF (ft ref MSL)	71993				NA
Q	DEPTH OF WATER (ft below LS)	72019				NA
A	BTM WELL ELEV (ft ref MSL)	72020				NA
Q	DEPTH TO WATER FR MEA PT (ft)	72109				NA

IL 532 3213
LPC 160 01/90

This agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1004 and 1021. Disclosure of this information is required. Failure to do so so may result in a civil penalty up to $25,000 for each day the failure continues a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

*Only Keypunch with Data in Columns 35 or Columns 38-47

RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18)

MONITOR POINT NUMBER L313 (19–22)

CO: Winnebago

DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE
FACILITY NAME

LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	2,3,7,8-TCDD	ug/L	30 34	35	36	< 37	0.0050 38 47
Q	Silver	ug/L	01077			<	50
Q	Aluminum	ug/L	01105				17000
Q	Arsenic	ug/L	01002				440
Q	Boron	ug/L	01022				19000
Q	Barium	ug/L	01007				860
Q	Beryllium	ug/L	01012			<	10
Q	Calcium	ug/L	00916				110000
Q	Cadmium	ug/L	01027				9.3
Q	Cobalt	ug/L	01037				120
Q	Chromium	ug/L	01034				670
Q	Copper	ug/L	01042				260
Q	Iron	ug/L	74010				30000
Q	Tritium	pCi/mL	82126				3.7
Q	Mercury	ug/L	71900				0.61
Q	Potassium	ug/L	00937				950000
Q	Magnesium	ug/L	00927				100000
Q	Manganese	ug/L	01055				500
Q	Sodium	ug/L	00929				3300000
Q	Nickel	ug/L	01067				610
Q	Lead	ug/L	01051				270
Q	Antimony	ug/L	01097			<	100
Q	Selenium	ug/L	01147			<	30
Q	Tin	ug/L	01102				260
Q	Thallium	ug/L	01059			<	100
Q	Vanadium	ug/L	01087				82
Q	Zinc	ug/L	01092				1100

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*Only Keypunch with Data in Column 35 or Columns 38-47

IL 532 3213
LPC 160 1790 (CONT)

RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L313 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Aroclor 1016	ug/L	34671 (30–34)	(35)	(36)	< (37)	10 (38–47)
Q	Aroclor 1221	ug/L	39488			<	10
Q	Aroclor 1232	ug/L	39492			<	10
Q	Aroclor 1242	ug/L	39496			<	10
Q	Aroclor 1248	ug/L	39500			<	10
Q	Aroclor 1254	ug/L	39504			<	10
Q	Aroclor 1260	ug/L	39508			<	10
Q	delta-BHC	ug/L	34259			<	0.50
Q	Endosulfan sulfate	ug/L	34351			<	1.0
Q	Endosulfan II	ug/L	34356			<	1.0
Q	Endosulfan I	ug/L	34361			<	0.50
Q	Endrin aldehyde	ug/L	34366			<	1.0
Q	4,4'-DDT	ug/L	39300			<	1.0
Q	4,4'-DDD	ug/L	39310			<	1.0
Q	4,4'-DDE	ug/L	39320			<	1.0
Q	Aldrin	ug/L	39330			<	0.50
Q	alpha BHC	ug/L	39337			<	0.50
Q	beta-BHC	ug/L	39338			<	0.50
Q	gamma-BHC (Lindane)	ug/L	39341			<	0.50
Q	Chlordane, technical	ug/L	39350			<	10
Q	Dieldrin	ug/L	39380			<	1.0
Q	Endrin	ug/L	39390			<	1.0
Q	Toxaphene	ug/L	39400			<	50
Q	Heptachlor	ug/L	39410			<	0.50
Q	Heptachlor epoxide	ug/L	39420			<	0.50
Q	Methoxychlor	ug/L	39480			<	5.0
Q	Acenaphthene	ug/L	34205			<	500

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IL 532 3213
LPC 160 1790 (CONT)

RECORD CODE L P C S M 2 (1–7) TRANS CODE A

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L313 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Anthracene	ug/L	34220 (30–34)	(35)	(36)	< (37)	500 (38–47)
Q	Benzo(b)fluoranthene	ug/L	34230			<	500
Q	Benzo(k)fluoranthene	ug/L	34242			<	500
Q	Benzo(a)pyrene	ug/L	34247			<	500
Q	bis(2-Chloroethyl)ether	ug/L	34273			<	500
Q	bis(2-Chloroethoxy)methane	ug/L	34278			<	500
Q	Butylbenzylphthalate	ug/L	34292			<	500
Q	Chrysene	ug/L	34320			<	500
Q	Diethylphthalate	ug/L	34336			<	500
Q	Dimethylphthalate	ug/L	34341			<	500
Q	Fluoranthene	ug/L	34376			<	500
Q	Fluorene	ug/L	34381			<	500
Q	Hexachlorocyclopentadiene	ug/L	34386			<	500
Q	Hexachlorobutadiene	ug/L	34391			<	500
Q	Hexachloroethane	ug/L	34396			<	500
Q	Indeno(1,2,3-cd)pyrene	ug/L	34403			<	500
Q	N-Nitroso-di-n-propylamine	ug/L	34428			<	500
Q	N-Nitrosodiphenylamine	ug/L	34433			<	500
Q	N-Nitrosodimethylamine	ug/L	34438			<	500
Q	Nitrobenzene	ug/L	34447			<	500
Q	Phenanthrene	ug/L	34461				44
Q	Pyrene	ug/L	34469			<	500
Q	Benzo(g,h,i)perylene	ug/L	34521			<	500
Q	Benzo(a)anthracene	ug/L	34526			<	500
Q	Dibenzo(a,h)anthracene	ug/L	34556			<	500
Q	2-Chloronaphthalene	ug/L	34581			<	500
Q	2-Chlorophenol	ug/L	34586			<	500

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IL 532 3213

*Only Keypunch with Data in Column 35 or Columns 38–47

LPC 160 1790 (CONT)

RECORD CODE L P C S M 2 (1–7) TRANS CODE A

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L313 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	2-Nitrophenol	ug/L	34591 (30–34)	(35)	(36)	< (37)	500 (38–47)
Q	Di-n-octylphthalate	ug/L	34596			<	500
Q	2,4-Dichlorophenol	ug/L	34601			<	500
Q	2,4-Dimethylphenol	ug/L	34606				96
Q	2,4-Dinitrotoluene	ug/L	34611			<	500
Q	2,4-Dinitrophenol	ug/L	34616			<	1300
Q	2,4,6-Trichlorophenol	ug/L	34621			<	500
Q	2,6-Dinitrotoluene	ug/L	34626			<	500
Q	3,3-Dichlorobenzidine	ug/L	34631			<	500
Q	4-Bromophenyl phenyl ether	ug/L	34636			<	500
Q	4-Chlorophenyl phenyl ether	ug/L	34641			<	500
Q	4-Nitrophenol	ug/L	34646			<	1300
Q	Naphthalene	ug/L	34696				63
Q	Pentachlorophenol	ug/L	39032			<	1300
Q	bis(2-Ethylhexyl)phthalate	ug/L	39100			<	500
Q	Di-n-butylphthalate	ug/L	39110			<	500
Q	Hexachlorobenzene	ug/L	39700			<	500
Q	4-Methylphenol	ug/L	77146				7500
Q	4,6-Dinitro-2-methylphenol	ug/L	79533			<	1300
Q	Bromodichloromethane	ug/L	32101			<	100
Q	Carbon tetrachloride	ug/L	32102			<	100
Q	1,2-Dichloroethane	ug/L	32103			<	100
Q	Bromoform	ug/L	32104			<	100
Q	Chloroform	ug/L	32106			<	100
Q	Toluene	ug/L	34010			<	100
Q	Benzene	ug/L	34030			<	100
Q	Chlorobenzene	ug/L	34301			<	100

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RECORD CODE L P C S M 2 (1–7) TRANS CODE A

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L313 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Chlorodibromomethane	ug/L	34306 (30–34)	(35)	(36)	< (37)	100 (38–47)
Q	Chloroethane	ug/L	34311			<	200
Q	Bromomethane	ug/L	34413			<	200
Q	Chloromethane	ug/L	34418			<	200
Q	Methylene chloride	ug/L	34423			<	100
Q	Tetrachloroethene	ug/L	34475			<	100
Q	Fluorotrichloromethane	ug/L	34488			<	200
Q	1,1-Dichloroethane	ug/L	34496			<	100
Q	1,1-Dichloroethene	ug/L	34501			<	100
Q	1,1,1-Trichloroethane	ug/L	34506			<	100
Q	1,1,2-Trichloroethane	ug/L	34511			<	100
Q	1,1,2,2-Tetrachloroethane	ug/L	34516			<	100
Q	1,2-Dichlorobenzene	ug/L	34536			<	100
Q	1,2-Dichloropropane	ug/L	34541			<	100
Q	trans-1,2-Dichloroethene	ug/L	34546			<	100
Q	1,2,4-Trichlorobenzene	ug/L	34551			<	100
Q	1,3-Dichlorobenzene	ug/L	34566			<	100
Q	1,4-Dichlorobenzene	ug/L	34571			<	100
Q	2-Chloroethylvinylether	ug/L	34576			<	500
Q	Dichlorodifluoromethane	ug/L	34668			<	200
Q	trans-1,3-Dichloropropene	ug/L	34699			<	100
Q	cis-1,3-Dichloropropene	ug/L	34704			<	100
Q	1,2-Dibromo-3-chloropropane	ug/L	38437			<	200
Q	Vinyl chloride	ug/L	39175			<	200
Q	Trichloroethene	ug/L	39180			<	100
Q	n-Butanol	ug/L	45265			<	10000
Q	trans-1,4-Dichloro-2-b	ug/L	73547			<	500

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RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L313 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Isopropyl alcohol	ug/L	77015 (30–34)	(35)	(36)	< (37)	100000 (38–47)
Q	1-Propanol	ug/L	77018			<	10000
Q	Carbon disulfide	ug/L	77041			<	100
Q	Vinyl acetate	ug/L	77057			<	100
Q	cis-1,2-Dichloroethene	ug/L	77093			<	100
Q	2-Hexanone	ug/L	77103			<	500
Q	Styrene	ug/L	77128			<	100
Q	1,1-Dichloropropene	ug/L	77168			<	100
Q	2,2-Dichloropropane	ug/L	77170			<	100
Q	1,3-Dichloropropane	ug/L	77173			<	100
Q	1,2,4-Trimethylbenzene	ug/L	77222			<	100
Q	Isopropylbenzene	ug/L	77223			<	100
Q	n-Propylbenzene	ug/L	77224			<	100
Q	1,3,5-Trimethylbenzene	ug/L	77226			<	100
Q	2-Chlorotoluene	ug/L	77275			<	100
Q	4-Chlorotoluene	ug/L	77277			<	100
Q	Bromochloromethane	ug/L	77297			<	100
Q	n-Butylbenzene	ug/L	77342			<	100
Q	s-Butylbenzene	ug/L	77350			<	100
Q	t-Butylbenzene	ug/L	77353			<	100
Q	p-Isopropyltoluene	ug/L	77356			<	100
Q	Iodomethane	ug/L	77424			<	500
Q	1,2,3-Trichloropropane	ug/L	77443			<	100
Q	1,1,1,2-Tetrachloroethane	ug/L	77562			<	100
Q	Dibromomethane	ug/L	77596			<	100
Q	1,2,3-Trichlorobenzene	ug/L	77613			<	100
Q	1,2-Dibromoethane	ug/L	77651			<	100

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RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L313 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE LAB _____ (29)

FACILITY NAME

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Ethylbenzene	ug/L	78113 (30–34)	(35)	(36)	< (37)	100 (38–47)
Q	4-Methyl-2-pentanone	ug/L	78133			<	500
Q	Xylene, total	ug/L	81551			<	200
Q	Acetone	ug/L	81552				19000
Q	Bromobenzene	ug/L	81555			<	100
Q	Ethyl acetate	ug/L	81585			<	500
Q	2-Butanone	ug/L	81595				5500
Q	Tetrahydrofuran	ug/L	81607			<	500
Q	Carbonate Alkalinity	mg/L				<	200
Q	Bicarbonate Alkalinity	mg/L	—				10000
Q	Total Alkalinity	mg/L	00410				10000
Q	BOD	mg/L	00310				3200
Q	Chloride	mg/L	00940				490
Q	Cyanide, total	mg/L	00720				0.012
Q	COD	mg/L	00340				12000
Q	COLIFORM	CFU/100	74055			<	100
Q	Chromium, Hexavalent	ug/L	01032			<	500
Q	Fluoride	mg/L	00951			<	2.0
Q	Nitrogen, ammonia	mg/L	00610				4000
Q	Nitrogen, nitrate	mg/L	00620				170
Q	Oil & Grease, total recoverable	mg/L	00556				20
Q	Phenolics, total recoverable	ug/L	34043				16000
Q	Sulfate	mg/L	00945				650
Q	Solids, total dissolved	mg/L	70295				17000
Q	TOC as NPOC	mg/L	00680				3600
Q	Phosphorus, total	mg/L	00650				6.0
Q	Solids, total suspende	mg/L	00150				570

All analytical procedures must be performed in accordance with the methods contained in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods," SW-846, 3rd Edition, September 1986 or equivalent methods approved by the Agency. Proper sample chain of custody control and quality assurance/quality control procedures must be maintained in accordance with the facility sampling and analysis plan.

*Only Keypunch with Data in Column 35 or Columns 38-47

IL 532 3213
LPC 160 1790 (CONT)

RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18)

MONITOR POINT NUMBER L313 (19–22)

CO. Winnebago

DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE
FACILITY NAME

LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Atrazine	ug/L	39033 (30–34)	(35)	(36)	(37)	4.4 (38–47)
Q	Parathion	ug/L	39540			<	1.0
Q	Alachlor	ug/L	46317				7.6
Q	2,4-D	ug/L	39730			<	5.0
Q	2,4,5-TP (Silvex)	ug/L	39760				7.7
Q	Aldicarb	ug/L	39053			<	50
Q	Carbofuran	ug/L	81405			<	50

All analytical procedures must be performed in accordance with the methods contained in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods," SW-846, 3rd Edition, September 1986 or equivalent methods approved by the Agency. Proper sample chain of custody control and quality assurance/quality control procedures must be maintained in accordance with the facility sampling and analysis plan.

*Only Keypunch with Data in Column 35 or Columns 38–47

IL 532 3213
LPC 160 1790 (CONT)

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

RECORD CODE: L P C S M 0 1 (7)

TRANS CODE: A (8)

REPORT DUE DATE 7/15/99 36MDY41

FEDERAL ID NUMBER _____

SITE INVENTORY NUMBER 2018080001 (9–18)

MONITOR POINT NUMBER L315 (19–22) (see Instructions)

REGION N CO. Winnebago

DATE COLLECTED 4/14/99 23MDY28

FACILITY NAME PAGEL LANDFILL NORTH UNIT GROUNDWATER

FOR IEPA USE ONLY
LAB ___ (29)
DATE RECEIVED / / 42MDY47

BACKGROUND SAMPLE (X) ___ (54)

TIME COLLECTED 10:05 55HM58 (24 Hr. Clock)

UNABLE TO COLLECT SAMPLE ___ (59)

MONITOR POINT SAMPLED BY F (60)

OTHER (SPECIFY) ___

SAMPLE FIELD FILTERED-INORGANICS (X) ___ (61)

ORGANICS (X) ___

SAMPLE APPEARANCE: Spicy Brown Very (63–102)

COLLECTOR COMMENTS: (103–142)

LAB COMMENTS: (150–199)

RECORD CODE L P C S M 0 2 TRANS CODE A (COLUMNS 9-29 FNM ABOVE)

	FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER (30–34)	Remarks (35)	Replicate (36)	< OR > (37)	VALUE (38–47)
Q	TEMP OF WATER (unfiltered F)	00011				82.400
Q	SPEC COND (unfiltered umhos)	00094				33000.000
Q	pH (unfiltered units)	00400				8.080
Q	ELEV OF GW SURF (ft ref MSL)	71993				NA
Q	DEPTH OF WATER (ft below LS)	72019				NA
A	BTM WELL ELEV (ft ref MSL)	72020				NA
Q	DEPTH TO WATER FR MEA PT (ft)	72109				NA

IL 532 3213
LPC 160 01/90

This agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1004 and 1021. Disclosure of this information is required. Failure to do so so may result in a civil penalty up to $25,000 for each day the failure continues a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

*Only Keypunch with Data in Columns 35 or Columns 38-47

RECORD CODE L P C S M 2 (1–7) TRANS CODE A

SITE INVENTORY NUMBER 2018080001 (9–18)

MONITOR POINT NUMBER L315 (19–22)

CO. Winnebago

DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE
FACILITY NAME

LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	2,3,7,8-TCDD	ug/L	30 34	35	36	< 37	0.0050 38 47
Q	Silver	ug/L	01077			<	50
Q	Aluminum	ug/L	01105				700
Q	Arsenic	ug/L	01002				330
Q	Boron	ug/L	01022				18000
Q	Barium	ug/L	01007				780
Q	Beryllium	ug/L	01012			<	10
Q	Calcium	ug/L	00916				48000
Q	Cadmium	ug/L	01027			<	3.0
Q	Cobalt	ug/L	01037				110
Q	Chromium	ug/L	01034				500
Q	Copper	ug/L	01042			<	100
Q	Iron	ug/L	74010				5400
Q	Tritium	pCi/mL	82126				1.9
Q	Mercury	ug/L	71900			<	0.20
Q	Potassium	ug/L	00937				990000
Q	Magnesium	ug/L	00927				90000
Q	Manganese	ug/L	01055				91
Q	Sodium	ug/L	00929				3500000
Q	Nickel	ug/L	01067				620
Q	Lead	ug/L	01051				34
Q	Antimony	ug/L	01097			<	100
Q	Selenium	ug/L	01147			<	30
Q	Tin	ug/L	01102			<	200
Q	Thallium	ug/L	01059			<	100
Q	Vanadium	ug/L	01087				52
Q	Zinc	ug/L	01092				660

All analytical procedures must be performed in accordance with the methods contained in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods," SW-846, 3rd Edition, September 1986 or equivalent methods approved by the Agency. Proper sample chain of custody control and quality assurance/quality control procedures must be maintained in accordance with the facility sampling and analysis plan.

*Only Keypunch with Data in Column 35 or Columns 38-47

IL 532 3213
LPC 160 1790 (CONT)

RECORD CODE | L | P | C | S | M | | 2 |
1 7

TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001
9 18

MONITOR POINT NUMBER L315
19 22

CO. Winnebago

DATE COLLECTED 4/14/99
23MDY28

PAGEL NORTH UNIT LEACHATE
FACILITY NAME

LAB _____
29

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Aroclor 1016	ug/L	34671 30 34	35	36	< 37	10 38 47
Q	Aroclor 1221	ug/L	39488			<	10
Q	Aroclor 1232	ug/L	39492			<	10
Q	Aroclor 1242	ug/L	39496			<	10
Q	Aroclor 1248	ug/L	39500			<	10
Q	Aroclor 1254	ug/L	39504			<	10
Q	Aroclor 1260	ug/L	39508			<	10
Q	delta-BHC	ug/L	34259			<	0.50
Q	Endosulfan sulfate	ug/L	34351			<	1.0
Q	Endosulfan II	ug/L	34356			<	1.0
Q	Endosulfan I	ug/L	34361			<	0.50
Q	Endrin aldehyde	ug/L	34366			<	1.0
Q	4,4'-DDT	ug/L	39300			<	1.0
Q	4,4'-DDD	ug/L	39310			<	1.0
Q	4,4'-DDE	ug/L	39320			<	1.0
Q	Aldrin	ug/L	39330			<	0.50
Q	alpha BHC	ug/L	39337			<	0.50
Q	beta-BHC	ug/L	39338			<	0.50
Q	gamma-BHC (Lindane)	ug/L	39341			<	0.50
Q	Chlordane, technical	ug/L	39350			<	10
Q	Dieldrin	ug/L	39380			<	1.0
Q	Endrin	ug/L	39390			<	1.0
Q	Toxaphene	ug/L	39400			<	50
Q	Heptachlor	ug/L	39410			<	0.50
Q	Heptachlor epoxide	ug/L	39420			<	0.50
Q	Methoxychlor	ug/L	39480			<	5.0
Q	Acenaphthene	ug/L	34205			<	500

All analytical procedures must be performed in accordance with the methods contained in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods," SW-846, 3rd Edition, September 1986 or equivalent methods approved by the Agency. Proper sample chain of custody control and quality assurance/quality control procedures must be maintained in accordance with the facility sampling and analysis plan.

*Only Keypunch with Data in Column 35 or Columns 38-47

RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L315 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Anthracene	ug/L	34220 (30–34)	(35)	(36)	< (37)	500 (38–47)
Q	Benzo(b)fluoranthene	ug/L	34230			<	500
Q	Benzo(k)fluoranthene	ug/L	34242			<	500
Q	Benzo(a)pyrene	ug/L	34247			<	500
Q	bis(2-Chloroethyl)ether	ug/L	34273			<	500
Q	bis(2-Chloroethoxy)methane	ug/L	34278			<	500
Q	Butylbenzylphthalate	ug/L	34292			<	500
Q	Chrysene	ug/L	34320			<	500
Q	Diethylphthalate	ug/L	34336			<	500
Q	Dimethylphthalate	ug/L	34341			<	500
Q	Fluoranthene	ug/L	34376			<	500
Q	Fluorene	ug/L	34381			<	500
Q	Hexachlorocyclopentadiene	ug/L	34386			<	500
Q	Hexachlorobutadiene	ug/L	34391			<	500
Q	Hexachloroethane	ug/L	34396			<	500
Q	Indeno(1,2,3-cd)pyrene	ug/L	34403			<	500
Q	N-Nitroso-di-n-propylamine	ug/L	34428			<	500
Q	N-Nitrosodiphenylamine	ug/L	34433			<	500
Q	N-Nitrosodimethylamine	ug/L	34438			<	500
Q	Nitrobenzene	ug/L	34447			<	500
Q	Phenanthrene	ug/L	34461			<	500
Q	Pyrene	ug/L	34469			<	500
Q	Benzo(g,h,i)perylene	ug/L	34521			<	500
Q	Benzo(a)anthracene	ug/L	34526			<	500
Q	Dibenzo(a,h)anthracene	ug/L	34556			<	500
Q	2-Chloronaphthalene	ug/L	34581			<	500
Q	2-Chlorophenol	ug/L	34586			<	500

All analytical procedures must be performed in accordance with the methods contained in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods," SW-846, 3rd Edition, September 1986 or equivalent methods approved by the Agency. Proper sample chain of custody control and quality assurance/quality control procedures must be maintained in accordance with the facility sampling and analysis plan.

IL 532 3213

*Only Keypunch with Data in Column 35 or Columns 38-47

LPC 160 1790 (CONT)

RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L315 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	2-Nitrophenol	ug/L	34591 (30–34)	(35)	(36)	< (37)	500 (38–47)
Q	Di-n-octylphthalate	ug/L	34596			<	500
Q	2,4-Dichlorophenol	ug/L	34601			<	500
Q	2,4-Dimethylphenol	ug/L	34606				54
Q	2,4-Dinitrotoluene	ug/L	34611			<	500
Q	2,4-Dinitrophenol	ug/L	34616			<	1300
Q	2,4,6-Trichlorophenol	ug/L	34621			<	500
Q	2,6-Dinitrotoluene	ug/L	34626			<	500
Q	3,3-Dichlorobenzidine	ug/L	34631			<	500
Q	4-Bromophenyl phenyl ether	ug/L	34636			<	500
Q	4-Chlorophenyl phenyl ether	ug/L	34641			<	500
Q	4-Nitrophenol	ug/L	34646			<	1300
Q	Naphthalene	ug/L	34696			<	500
Q	Pentachlorophenol	ug/L	39032			<	1300
Q	bis(2-Ethylhexyl)phthalate	ug/L	39100			<	500
Q	Di-n-butylphthalate	ug/L	39110			<	500
Q	Hexachlorobenzene	ug/L	39700			<	500
Q	4-Methylphenol	ug/L	77146				600
Q	4,6-Dinitro-2-methylphenol	ug/L	79533			<	1300
Q	Bromodichloromethane	ug/L	32101			<	25
Q	Carbon tetrachloride	ug/L	32102			<	25
Q	1,2-Dichloroethane	ug/L	32103			<	25
Q	Bromoform	ug/L	32104			<	25
Q	Chloroform	ug/L	32106			<	25
Q	Toluene	ug/L	34010				97
Q	Benzene	ug/L	34030			<	25
Q	Chlorobenzene	ug/L	34301			<	25

All analytical procedures must be performed in accordance with the methods contained in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods," SW-846, 3rd Edition, September 1986 or equivalent methods approved by the Agency. Proper sample chain of custody control and quality assurance/quality control procedures must be maintained in accordance with the facility sampling and analysis plan.

*Only Keypunch with Data in Column 35 or Columns 38-47

IL 532 3213
LPC 160 1790 (CONT)

RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L315 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Chlorodibromomethane	ug/L	34306 (30–34)	(35)	(36)	< (37)	25 (38–47)
Q	Chloroethane	ug/L	34311			<	50
Q	Bromomethane	ug/L	34413			<	50
Q	Chloromethane	ug/L	34418			<	50
Q	Methylene chloride	ug/L	34423			<	25
Q	Tetrachloroethene	ug/L	34475			<	25
Q	Fluorotrichloromethane	ug/L	34488			<	50
Q	1,1-Dichloroethane	ug/L	34496			<	25
Q	1,1-Dichloroethene	ug/L	34501			<	25
Q	1,1,1-Trichloroethane	ug/L	34506			<	25
Q	1,1,2-Trichloroethane	ug/L	34511			<	25
Q	1,1,2,2-Tetrachloroethane	ug/L	34516			<	25
Q	1,2-Dichlorobenzene	ug/L	34536			<	25
Q	1,2-Dichloropropane	ug/L	34541			<	25
Q	trans-1,2-Dichloroethene	ug/L	34546			<	25
Q	1,2,4-Trichlorobenzene	ug/L	34551			<	25
Q	1,3-Dichlorobenzene	ug/L	34566			<	25
Q	1,4-Dichlorobenzene	ug/L	34571			<	25
Q	2-Chloroethylvinylether	ug/L	34576			<	130
Q	Dichlorodifluoromethane	ug/L	34668			<	50
Q	trans-1,3-Dichloropropene	ug/L	34699			<	25
Q	cis-1,3-Dichloropropene	ug/L	34704			<	25
Q	1,2-Dibromo-3-chloropropane	ug/L	38437			<	50
Q	Vinyl chloride	ug/L	39175			<	50
Q	Trichloroethene	ug/L	39180			<	25
Q	n-Butanol	ug/L	45265			<	2500
Q	trans-1,4-Dichloro-2-b	ug/L	73547			<	130

All analytical procedures must be performed in accordance with the methods contained in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods," SW-846, 3rd Edition, September 1986 or equivalent methods approved by the Agency. Proper sample chain of custody control and quality assurance/quality control procedures must be maintained in accordance with the facility sampling and analysis plan.

*Only Keypunch with Data in Column 35 or Columns 38-47

RECORD CODE L P C S M 2 (1–7) TRANS CODE A

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L315 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 23MDY28

PAGEL NORTH UNIT LEACHATE LAB _____ (29)

FACILITY NAME

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Isopropyl alcohol	ug/L	77015 (30–34)	(35)	(36)	< (37)	25000 (38–47)
Q	1-Propanol	ug/L	77018			<	2500
Q	Carbon disulfide	ug/L	77041			<	25
Q	Vinyl acetate	ug/L	77057			<	25
Q	cis-1,2-Dichloroethene	ug/L	77093			<	25
Q	2-Hexanone	ug/L	77103			<	130
Q	Styrene	ug/L	77128			<	25
Q	1,1-Dichloropropene	ug/L	77168			<	25
Q	2,2-Dichloropropane	ug/L	77170			<	25
Q	1,3-Dichloropropane	ug/L	77173			<	25
Q	1,2,4-Trimethylbenzene	ug/L	77222			<	25
Q	Isopropylbenzene	ug/L	77223			<	25
Q	n-Propylbenzene	ug/L	77224			<	25
Q	1,3,5-Trimethylbenzene	ug/L	77226			<	25
Q	2-Chlorotoluene	ug/L	77275			<	25
Q	4-Chlorotoluene	ug/L	77277			<	25
Q	Bromochloromethane	ug/L	77297			<	25
Q	n-Butylbenzene	ug/L	77342			<	25
Q	s-Butylbenzene	ug/L	77350			<	25
Q	t-Butylbenzene	ug/L	77353			<	25
Q	p-Isopropyltoluene	ug/L	77356			<	25
Q	Iodomethane	ug/L	77424			<	130
Q	1,2,3-Trichloropropane	ug/L	77443			<	25
Q	1,1,1,2-Tetrachloroethane	ug/L	77562			<	25
Q	Dibromomethane	ug/L	77596			<	25
Q	1,2,3-Trichlorobenzene	ug/L	77613			<	25
Q	1,2-Dibromoethane	ug/L	77651			<	25

All analytical procedures must be performed in accordance with the methods contained in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods," SW-846, 3rd Edition, September 1986 or equivalent methods approved by the Agency. Proper sample chain of custody control and quality assurance/quality control procedures must be maintained in accordance with the facility sampling and analysis plan.

*Only Keypunch with Data in Column 35 or Columns 38–47

RECORD CODE L P C S M 2 (1–7) TRANS CODE A

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L315 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Ethylbenzene	ug/L	78113 (30–34)	(35)	(36)	(37)	29 (38–47)
Q	4-Methyl-2-pentanone	ug/L	78133			<	130
Q	Xylene, total	ug/L	81551				96
Q	Acetone	ug/L	81552				1100
Q	Bromobenzene	ug/L	81555			<	25
Q	Ethyl acetate	ug/L	81585			<	130
Q	2-Butanone	ug/L	81595				540
Q	Tetrahydrofuran	ug/L	81607			<	130
Q	Carbonate Alkalinity	mg/L				<	200
Q	Bicarbonate Alkalinity	mg/L	—				8300
Q	Total Alkalinity	mg/L	00410				8300
Q	BOD	mg/L	00310				590
Q	Chloride	mg/L	00940				5100
Q	Cyanide, total	mg/L	00720				0.012
Q	COD	mg/L	00340				5900
Q	COLIFORM	CFU/100	74055			<	100
Q	Chromium, Hexavalent	ug/L	01032			<	500
Q	Fluoride	mg/L	00951				32
Q	Nitrogen, ammonia	mg/L	00610				3400
Q	Nitrogen, nitrate	mg/L	00620			<	4.0
Q	Oil & Grease, total recoverable	mg/L	00556				13
Q	Phenolics, total recoverable	ug/L	34043				1300
Q	Sulfate	mg/L	00945			<	40
Q	Solids, total dissolved	mg/L	70295				14000
Q	TOC as NPOC	mg/L	00680				2300
Q	Phosphorus, total	mg/L	00650				3.9
Q	Solids, total suspende	mg/L	00150				41

All analytical procedures must be performed in accordance with the methods contained in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods," SW-846, 3rd Edition, September 1986 or equivalent methods approved by the Agency. Proper sample chain of custody control and quality assurance/quality control procedures must be maintained in accordance with the facility sampling and analysis plan.

*Only Keypunch with Data in Column 35 or Columns 38–47

IL 532 3213
LPC 160 1790 (CONT)

RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L315 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Atrazine	ug/L	39033 (30–34)	(35)	(36)	< (37)	2.0 (38–47)
Q	Parathion	ug/L	39540			<	1.0
Q	Alachlor	ug/L	46317				9.5
Q	2,4-D	ug/L	39730			<	5.0
Q	2,4,5-TP (Silvex)	ug/L	39760			<	5.0
Q	Aldicarb	ug/L	39053			<	50
Q	Carbofuran	ug/L	81405			<	50

All analytical procedures must be performed in accordance with the methods contained in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods," SW-846, 3rd Edition, September 1986 or equivalent methods approved by the Agency. Proper sample chain of custody control and quality assurance/quality control procedures must be maintained in accordance with the facility sampling and analysis plan.

*Only Keypunch with Data in Column 35 or Columns 38-47

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

RECORD CODE: L P C S M 0 1 (7)

TRANS CODE: A (8)

REPORT DUE DATE 7/15/99 (36MDY41)

FEDERAL ID NUMBER _____

SITE INVENTORY NUMBER 2018080001 (9–18)

MONITOR POINT NUMBER (see Instructions) L316 (19–22)

REGION N CO. Winnebago

DATE COLLECTED 4/14/99 (23MDY28)

FACILITY NAME PAGEL LANDFILL NORTH UNIT GROUNDWATER

FOR IEPA USE ONLY
LAB ___ (29)
DATE RECEIVED / / (42MDY47)

BACKGROUND SAMPLE (X) ___ (54)

TIME COLLECTED (24 Hr. Clock) 9:25 (55HM58)

UNABLE TO COLLECT SAMPLE ___ (59)

MONITOR POINT SAMPLED BY F (60)

OTHER (SPECIFY) ___

SAMPLE FIELD FILTERED-INORGANICS (X) ___ (61)

ORGANICS (X) ___

SAMPLE APPEARANCE: Septic Lt. Green Mod (63–102)

COLLECTOR COMMENTS (103–142)

LAB COMMENTS (150–199)

RECORD CODE L P C S M 0 2 TRANS CODE A (COLUMNS 9-29 FNM ABOVE)

	FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER (30–34)	Remarks (35)	Replicate (36)	< OR > (37)	VALUE (38–47)
Q	TEMP OF WATER (unfiltered F)	00011				63.500
Q	SPEC COND (unfiltered umhos)	00094				30100.000
Q	pH (unfiltered units)	00400				6.570
Q	ELEV OF GW SURF (ft ref MSL)	71993				NA
Q	DEPTH OF WATER (ft below LS)	72019				74.9
A	BTM WELL ELEV (ft ref MSL)	72020				NA
Q	DEPTH TO WATER FR MEA PT (ft)	72109				NA

IL 532 3213
LPC 160 01/90

This agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1004 and 1021. Disclosure of this information is required. Failure to do so so may result in a civil penalty up to $25,000 for each day the failure continues a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

*Only Keypunch with Data in Columns 35 or Columns 38-47

RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L316 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	2,3,7,8-TCDD	ug/L	30 34	35	36	< 37	0.0050 38 47
Q	Silver	ug/L	01077			<	50
Q	Aluminum	ug/L	01105				14000
Q	Arsenic	ug/L	01002				37
Q	Boron	ug/L	01022				10000
Q	Barium	ug/L	01007				390
Q	Beryllium	ug/L	01012			<	10
Q	Calcium	ug/L	00916				920000
Q	Cadmium	ug/L	01027				150
Q	Cobalt	ug/L	01037				89
Q	Chromium	ug/L	01034				140
Q	Copper	ug/L	01042			<	100
Q	Iron	ug/L	74010				440000
Q	Tritium	pCi/mL	82126			<	0.70
Q	Mercury	ug/L	71900				0.24
Q	Potassium	ug/L	00937				2000000
Q	Magnesium	ug/L	00927				700000
Q	Manganese	ug/L	01055				10000
Q	Sodium	ug/L	00929				3900000
Q	Nickel	ug/L	01067				430
Q	Lead	ug/L	01051				130
Q	Antimony	ug/L	01097			<	100
Q	Selenium	ug/L	01147			<	30
Q	Tin	ug/L	01102				390
Q	Thallium	ug/L	01059			<	100
Q	Vanadium	ug/L	01087			<	50
Q	Zinc	ug/L	01092				48000

All analytical procedures must be performed in accordance with the methods contained in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods," SW-846, 3rd Edition, September 1986 or equivalent methods approved by the Agency. Proper sample chain of custody control and quality assurance/quality control procedures must be maintained in accordance with the facility sampling and analysis plan.

*Only Keypunch with Data in Column 35 or Columns 38–47

IL 532 3213
LPC 160 1790 (CONT)

RECORD CODE L P C S M 2 (1–7) TRANS CODE A

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L316 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE LAB _____ (29)

FACILITY NAME

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Aroclor 1016	ug/L	34671 (30–34)	(35)	(36)	< (37)	10 (38–47)
Q	Aroclor 1221	ug/L	39488			<	10
Q	Aroclor 1232	ug/L	39492			<	10
Q	Aroclor 1242	ug/L	39496			<	10
Q	Aroclor 1248	ug/L	39500			<	10
Q	Aroclor 1254	ug/L	39504			<	10
Q	Aroclor 1260	ug/L	39508			<	10
Q	delta-BHC	ug/L	34259			<	0.50
Q	Endosulfan sulfate	ug/L	34351			<	1.0
Q	Endosulfan II	ug/L	34356			<	1.0
Q	Endosulfan I	ug/L	34361			<	0.50
Q	Endrin aldehyde	ug/L	34366			<	1.0
Q	4,4'-DDT	ug/L	39300			<	1.0
Q	4,4'-DDD	ug/L	39310			<	1.0
Q	4,4'-DDE	ug/L	39320			<	1.0
Q	Aldrin	ug/L	39330			<	0.50
Q	alpha BHC	ug/L	39337			<	0.50
Q	beta-BHC	ug/L	39338			<	0.50
Q	gamma-BHC (Lindane)	ug/L	39341			<	0.50
Q	Chlordane, technical	ug/L	39350			<	10
Q	Dieldrin	ug/L	39380			<	1.0
Q	Endrin	ug/L	39390			<	1.0
Q	Toxaphene	ug/L	39400			<	50
Q	Heptachlor	ug/L	39410			<	0.50
Q	Heptachlor epoxide	ug/L	39420			<	0.50
Q	Methoxychlor	ug/L	39480			<	5.0
Q	Acenaphthene	ug/L	34205			<	500

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*Only Keypunch with Data in Column 35 or Columns 38–47

IL 532 3213
LPC 160 1790 (CONT)

RECORD CODE L P C S M 2 (1–7) TRANS CODE A

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L316 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Anthracene	ug/L	34220 (30–34)	(35)	(36)	< (37)	500 (38–47)
Q	Benzo(b)fluoranthene	ug/L	34230			<	500
Q	Benzo(k)fluoranthene	ug/L	34242			<	500
Q	Benzo(a)pyrene	ug/L	34247			<	500
Q	bis(2-Chloroethyl)ether	ug/L	34273			<	500
Q	bis(2-Chloroethoxy)methane	ug/L	34278			<	500
Q	Butylbenzylphthalate	ug/L	34292			<	500
Q	Chrysene	ug/L	34320			<	500
Q	Diethylphthalate	ug/L	34336				310
Q	Dimethylphthalate	ug/L	34341			<	500
Q	Fluoranthene	ug/L	34376			<	500
Q	Fluorene	ug/L	34381			<	500
Q	Hexachlorocyclopentadiene	ug/L	34386			<	500
Q	Hexachlorobutadiene	ug/L	34391			<	500
Q	Hexachloroethane	ug/L	34396			<	500
Q	Indeno(1,2,3-cd)pyrene	ug/L	34403			<	500
Q	N-Nitroso-di-n-propylamine	ug/L	34428			<	500
Q	N-Nitrosodiphenylamine	ug/L	34433			<	500
Q	N-Nitrosodimethylamine	ug/L	34438			<	500
Q	Nitrobenzene	ug/L	34447			<	500
Q	Phenanthrene	ug/L	34461			<	500
Q	Pyrene	ug/L	34469			<	500
Q	Benzo(g,h,i)perylene	ug/L	34521			<	500
Q	Benzo(a)anthracene	ug/L	34526			<	500
Q	Dibenzo(a,h)anthracene	ug/L	34556			<	500
Q	2-Chloronaphthalene	ug/L	34581			<	500
Q	2-Chlorophenol	ug/L	34586			<	500

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IL 532 3213

*Only Keypunch with Data in Column 35 or Columns 38-47

RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L316 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	2-Nitrophenol	ug/L	34591 (30–34)	(35)	(36)	< (37)	500 (38–47)
Q	Di-n-octylphthalate	ug/L	34596			<	500
Q	2,4-Dichlorophenol	ug/L	34601			<	500
Q	2,4-Dimethylphenol	ug/L	34606			<	500
Q	2,4-Dinitrotoluene	ug/L	34611			<	500
Q	2,4-Dinitrophenol	ug/L	34616			<	1300
Q	2,4,6-Trichlorophenol	ug/L	34621			<	500
Q	2,6-Dinitrotoluene	ug/L	34626			<	500
Q	3,3-Dichlorobenzidine	ug/L	34631			<	500
Q	4-Bromophenyl phenyl ether	ug/L	34636			<	500
Q	4-Chlorophenyl phenyl ether	ug/L	34641			<	500
Q	4-Nitrophenol	ug/L	34646			<	1300
Q	Naphthalene	ug/L	34696			<	500
Q	Pentachlorophenol	ug/L	39032			<	1300
Q	bis(2-Ethylhexyl)phthalate	ug/L	39100			<	500
Q	Di-n-butylphthalate	ug/L	39110			<	500
Q	Hexachlorobenzene	ug/L	39700			<	500
Q	4-Methylphenol	ug/L	77146				28000
Q	4,6-Dinitro-2-methylphenol	ug/L	79533			<	1300
Q	Bromodichloromethane	ug/L	32101			<	100
Q	Carbon tetrachloride	ug/L	32102			<	100
Q	1,2-Dichloroethane	ug/L	32103			<	100
Q	Bromoform	ug/L	32104			<	100
Q	Chloroform	ug/L	32106			<	100
Q	Toluene	ug/L	34010				150
Q	Benzene	ug/L	34030			<	100
Q	Chlorobenzene	ug/L	34301			<	100

All analytical procedures must be performed in accordance with the methods contained in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods," SW-846, 3rd Edition, September 1986 or equivalent methods approved by the Agency. Proper sample chain of custody control and quality assurance/quality control procedures must be maintained in accordance with the facility sampling and analysis plan.

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RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L316 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Chlorodibromomethane	ug/L	34306 (30–34)	(35)	(36)	< (37)	100 (38–47)
Q	Chloroethane	ug/L	34311			<	200
Q	Bromomethane	ug/L	34413			<	200
Q	Chloromethane	ug/L	34418			<	200
Q	Methylene chloride	ug/L	34423			<	100
Q	Tetrachloroethene	ug/L	34475			<	100
Q	Fluorotrichloromethane	ug/L	34488			<	200
Q	1,1-Dichloroethane	ug/L	34496			<	100
Q	1,1-Dichloroethene	ug/L	34501			<	100
Q	1,1,1-Trichloroethane	ug/L	34506			<	100
Q	1,1,2-Trichloroethane	ug/L	34511			<	100
Q	1,1,2,2-Tetrachloroethane	ug/L	34516			<	100
Q	1,2-Dichlorobenzene	ug/L	34536			<	100
Q	1,2-Dichloropropane	ug/L	34541			<	100
Q	trans-1,2-Dichloroethene	ug/L	34546			<	100
Q	1,2,4-Trichlorobenzene	ug/L	34551			<	100
Q	1,3-Dichlorobenzene	ug/L	34566			<	100
Q	1,4-Dichlorobenzene	ug/L	34571			<	100
Q	2-Chloroethylvinylether	ug/L	34576			<	500
Q	Dichlorodifluoromethane	ug/L	34668			<	200
Q	trans-1,3-Dichloropropene	ug/L	34699			<	100
Q	cis-1,3-Dichloropropene	ug/L	34704			<	100
Q	1,2-Dibromo-3-chloropropane	ug/L	38437			<	200
Q	Vinyl chloride	ug/L	39175			<	200
Q	Trichloroethene	ug/L	39180			<	100
Q	n-Butanol	ug/L	45265			<	10000
Q	trans-1,4-Dichloro-2-b	ug/L	73547			<	500

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*Only Keypunch with Data in Column 35 or Columns 38-47

IL 532 3213
LPC 160 1790 (CONT)

RECORD CODE | L | P | C | S | M | | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L316 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Isopropyl alcohol	ug/L	77015 (30–34)	(35)	(36)	< (37)	500000 (38–47)
Q	1-Propanol	ug/L	77018			<	10000
Q	Carbon disulfide	ug/L	77041			<	100
Q	Vinyl acetate	ug/L	77057			<	100
Q	cis-1,2-Dichloroethene	ug/L	77093			<	100
Q	2-Hexanone	ug/L	77103			<	500
Q	Styrene	ug/L	77128			<	100
Q	1,1-Dichloropropene	ug/L	77168			<	100
Q	2,2-Dichloropropane	ug/L	77170			<	100
Q	1,3-Dichloropropane	ug/L	77173			<	100
Q	1,2,4-Trimethylbenzene	ug/L	77222			<	100
Q	Isopropylbenzene	ug/L	77223			<	100
Q	n-Propylbenzene	ug/L	77224			<	100
Q	1,3,5-Trimethylbenzene	ug/L	77226			<	100
Q	2-Chlorotoluene	ug/L	77275			<	100
Q	4-Chlorotoluene	ug/L	77277			<	100
Q	Bromochloromethane	ug/L	77297			<	100
Q	n-Butylbenzene	ug/L	77342			<	100
Q	s-Butylbenzene	ug/L	77350			<	100
Q	t-Butylbenzene	ug/L	77353			<	100
Q	p-Isopropyltoluene	ug/L	77356			<	100
Q	Iodomethane	ug/L	77424			<	500
Q	1,2,3-Trichloropropane	ug/L	77443			<	100
Q	1,1,1,2-Tetrachloroethane	ug/L	77562			<	100
Q	Dibromomethane	ug/L	77596			<	100
Q	1,2,3-Trichlorobenzene	ug/L	77613			<	100
Q	1,2-Dibromoethane	ug/L	77651			<	100

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RECORD CODE | L | P | C | S | M | | . | 2 |
1 7

TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001
9 18

MONITOR POINT NUMBER L316
19 22

CO. Winnebago

DATE COLLECTED 4/14/99
23MDY28

PAGEL NORTH UNIT LEACHATE
FACILITY NAME

LAB _____
29

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Ethylbenzene	ug/L	78113 (30 34)	(35)	(36)	< (37)	100 (38 47)
Q	4-Methyl-2-pentanone	ug/L	78133			<	500
Q	Xylene, total	ug/L	81551			<	200
Q	Acetone	ug/L	81552				35000
Q	Bromobenzene	ug/L	81555			<	100
Q	Ethyl acetate	ug/L	81585			<	500
Q	2-Butanone	ug/L	81595				61000
Q	Tetrahydrofuran	ug/L	81607				580
Q	Carbonate Alkalinity	mg/L				<	200
Q	Bicarbonate Alkalinity	mg/L	—				8400
Q	Total Alkalinity	mg/L	00410				8400
Q	BOD	mg/L	00310				13000
Q	Chloride	mg/L	00940				2700
Q	Cyanide, total	mg/L	00720			<	0.010
Q	COD	mg/L	00340				29000
Q	COLIFORM	CFU/100	74055			<	100
Q	Chromium, Hexavalent	ug/L	01032			<	50000
Q	Fluoride	mg/L	00951				9.8
Q	Nitrogen, ammonia	mg/L	00610				1800
Q	Nitrogen, nitrate	mg/L	00620			<	4.0
Q	Oil & Grease, total recoverable	mg/L	00556				72
Q	Phenolics, total recoverable	ug/L	34043				5400
Q	Sulfate	mg/L	00945			<	40
Q	Solids, total dissolved	mg/L	70295				9400
Q	TOC as NPOC	mg/L	00680				8900
Q	Phosphorus, total	mg/L	00650				1.1
Q	Solids, total suspende	mg/L	00150				700

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RECORD CODE | L | P | C | S | M | | | 2 |
1 7

TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001
9 18

MONITOR POINT NUMBER L316
19 22

CO. Winnebago

DATE COLLECTED 4/14/99
23MDY28

PAGEL NORTH UNIT LEACHATE
FACILITY NAME

LAB _____
29

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Atrazine	ug/L	39033 30 34	35	36	37	14 38 47
Q	Parathion	ug/L	39540			<	1.0
Q	Alachlor	ug/L	46317			<	2.0
Q	2,4-D	ug/L	39730				55
Q	2,4,5-TP (Silvex)	ug/L	39760			<	5.0
Q	Aldicarb	ug/L	39053				9.0
Q	Carbofuran	ug/L	81405				440

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*Only Keypunch with Data in Column 35 or Columns 38-47

IL 532 3213
LPC 160 1790 (CONT)

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

RECORD CODE: L P C S M 0 1 (7)

TRANS CODE: A (8)

REPORT DUE DATE 7/15/99 36MDY41

FEDERAL ID NUMBER

SITE INVENTORY NUMBER 2018080001 (9–18)

MONITOR POINT NUMBER L314 (19–22) (see Instructions)

REGION N CO. Winnebago

DATE COLLECTED 4/14/99 23MDY28

FACILITY NAME PAGEL LANDFILL NORTH UNIT GROUNDWATER

FOR IEPA USE ONLY

LAB (29)

DATE RECEIVED / / 42MDY47

BACKGROUND SAMPLE (X) (54)

TIME COLLECTED 11:25 55HM58 (24 Hr. Clock)

UNABLE TO COLLECT SAMPLE (59)

MONITOR POINT SAMPLED BY F (60)

OTHER (SPECIFY)

SAMPLE FIELD FILTERED-INORGANICS (X) (61)

ORGANICS (X)

SAMPLE APPEARANCE: Spicy Brown Mod (63–102)

COLLECTOR COMMENTS (103–142)

LAB COMMENTS (150–199)

RECORD CODE L P C S M 0 2 TRANS CODE A (COLUMNS 9-29 FNM ABOVE)

	FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER (30–34)	Remarks (35)	Replicate (36)	< OR > (37)	VALUE (38–47)
Q	TEMP OF WATER (unfiltered F)	00011				66.200
Q	SPEC COND (unfiltered umhos)	00094				24800.000
Q	pH (unfiltered units)	00400				7.270
Q	ELEV OF GW SURF (ft ref MSL)	71993				NA
Q	DEPTH OF WATER (ft below LS)	72019				57.28
A	BTM WELL ELEV (ft ref MSL)	72020				NA
Q	DEPTH TO WATER FR MEA PT (ft)	72109				NA

IL 532 3213
LPC 160 01/90

This agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1004 and 1021. Disclosure of this information is required. Failure to do so so may result in a civil penalty up to $25,000 for each day the failure continues a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

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RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L314 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	2,3,7,8-TCDD	ug/L	30 34	35	36	< 37	0.0050 38 47
Q	Silver	ug/L	01077			<	50
Q	Aluminum	ug/L	01105				11000
Q	Arsenic	ug/L	01002			<	30
Q	Boron	ug/L	01022				5100
Q	Barium	ug/L	01007				560
Q	Beryllium	ug/L	01012			<	10
Q	Calcium	ug/L	00916				210000
Q	Cadmium	ug/L	01027				39
Q	Cobalt	ug/L	01037				88
Q	Chromium	ug/L	01034				390
Q	Copper	ug/L	01042				330
Q	Iron	ug/L	74010				23000
Q	Tritium	pCi/mL	82126				0.76
Q	Mercury	ug/L	71900				0.24
Q	Potassium	ug/L	00937				1400000
Q	Magnesium	ug/L	00927				210000
Q	Manganese	ug/L	01055				540
Q	Sodium	ug/L	00929				2100000
Q	Nickel	ug/L	01067				640
Q	Lead	ug/L	01051				190
Q	Antimony	ug/L	01097			<	100
Q	Selenium	ug/L	01147			<	30
Q	Tin	ug/L	01102				240
Q	Thallium	ug/L	01059			<	100
Q	Vanadium	ug/L	01087			<	50
Q	Zinc	ug/L	01092				1100

All analytical procedures must be performed in accordance with the methods contained in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods," SW-846, 3rd Edition, September 1986 or equivalent methods approved by the Agency. Proper sample chain of custody control and quality assurance/quality control procedures must be maintained in accordance with the facility sampling and analysis plan.

*Only Keypunch with Data in Column 35 or Columns 38-47

IL 532 3213
LPC 160 1790 (CONT)

RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L314 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Aroclor 1016	ug/L	34671 (30–34)	(35)	(36)	< (37)	10 (38–47)
Q	Aroclor 1221	ug/L	39488			<	10
Q	Aroclor 1232	ug/L	39492			<	10
Q	Aroclor 1242	ug/L	39496			<	10
Q	Aroclor 1248	ug/L	39500			<	10
Q	Aroclor 1254	ug/L	39504			<	10
Q	Aroclor 1260	ug/L	39508			<	10
Q	delta-BHC	ug/L	34259			<	0.50
Q	Endosulfan sulfate	ug/L	34351			<	1.0
Q	Endosulfan II	ug/L	34356			<	1.0
Q	Endosulfan I	ug/L	34361			<	0.50
Q	Endrin aldehyde	ug/L	34366			<	1.0
Q	4,4'-DDT	ug/L	39300			<	1.0
Q	4,4'-DDD	ug/L	39310			<	1.0
Q	4,4'-DDE	ug/L	39320			<	1.0
Q	Aldrin	ug/L	39330			<	0.50
Q	alpha BHC	ug/L	39337			<	0.50
Q	beta-BHC	ug/L	39338			<	0.50
Q	gamma-BHC (Lindane)	ug/L	39341			<	0.50
Q	Chlordane, technical	ug/L	39350			<	10
Q	Dieldrin	ug/L	39380			<	1.0
Q	Endrin	ug/L	39390			<	1.0
Q	Toxaphene	ug/L	39400			<	50
Q	Heptachlor	ug/L	39410			<	0.50
Q	Heptachlor epoxide	ug/L	39420			<	0.50
Q	Methoxychlor	ug/L	39480			<	5.0
Q	Acenaphthene	ug/L	34205			<	500

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*Only Keypunch with Data in Column 35 or Columns 38–47

RECORD CODE L P C S M 2 (1–7) TRANS CODE A

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L314 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Anthracene	ug/L	34220 (30–34)	(35)	(36)	< (37)	500 (38–47)
Q	Benzo(b)fluoranthene	ug/L	34230			<	500
Q	Benzo(k)fluoranthene	ug/L	34242			<	500
Q	Benzo(a)pyrene	ug/L	34247			<	500
Q	bis(2-Chloroethyl)ether	ug/L	34273			<	500
Q	bis(2-Chloroethoxy)methane	ug/L	34278			<	500
Q	Butylbenzylphthalate	ug/L	34292			<	500
Q	Chrysene	ug/L	34320			<	500
Q	Diethylphthalate	ug/L	34336			<	500
Q	Dimethylphthalate	ug/L	34341			<	500
Q	Fluoranthene	ug/L	34376			<	500
Q	Fluorene	ug/L	34381			<	500
Q	Hexachlorocyclopentadiene	ug/L	34386			<	500
Q	Hexachlorobutadiene	ug/L	34391			<	500
Q	Hexachloroethane	ug/L	34396			<	500
Q	Indeno(1,2,3-cd)pyrene	ug/L	34403			<	500
Q	N-Nitroso-di-n-propylamine	ug/L	34428			<	500
Q	N-Nitrosodiphenylamine	ug/L	34433			<	500
Q	N-Nitrosodimethylamine	ug/L	34438			<	500
Q	Nitrobenzene	ug/L	34447			<	500
Q	Phenanthrene	ug/L	34461			<	500
Q	Pyrene	ug/L	34469			<	500
Q	Benzo(g,h,i)perylene	ug/L	34521			<	500
Q	Benzo(a)anthracene	ug/L	34526			<	500
Q	Dibenzo(a,h)anthracene	ug/L	34556			<	500
Q	2-Chloronaphthalene	ug/L	34581			<	500
Q	2-Chlorophenol	ug/L	34586			<	500

All analytical procedures must be performed in accordance with the methods contained in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods," SW-846, 3rd Edition, September 1986 or equivalent methods approved by the Agency. Proper sample chain of custody control and quality assurance/quality control procedures must be maintained in accordance with the facility sampling and analysis plan.

IL 532 3213

*Only Keypunch with Data in Column 35 or Columns 38-47

LPC 160 1790 (CONT)

RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L314 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	2-Nitrophenol	ug/L	34591 (30–34)	(35)	(36)	< (37)	500 (38–47)
Q	Di-n-octylphthalate	ug/L	34596			<	500
Q	2,4-Dichlorophenol	ug/L	34601			<	500
Q	2,4-Dimethylphenol	ug/L	34606				220
Q	2,4-Dinitrotoluene	ug/L	34611			<	500
Q	2,4-Dinitrophenol	ug/L	34616			<	1300
Q	2,4,6-Trichlorophenol	ug/L	34621			<	500
Q	2,6-Dinitrotoluene	ug/L	34626			<	500
Q	3,3-Dichlorobenzidine	ug/L	34631			<	500
Q	4-Bromophenyl phenyl ether	ug/L	34636			<	500
Q	4-Chlorophenyl phenyl ether	ug/L	34641			<	500
Q	4-Nitrophenol	ug/L	34646			<	1300
Q	Naphthalene	ug/L	34696			<	500
Q	Pentachlorophenol	ug/L	39032			<	1300
Q	bis(2-Ethylhexyl)phthalate	ug/L	39100			<	500
Q	Di-n-butylphthalate	ug/L	39110			<	500
Q	Hexachlorobenzene	ug/L	39700			<	500
Q	4-Methylphenol	ug/L	77146			<	500
Q	4,6-Dinitro-2-methylphenol	ug/L	79533			<	1300
Q	Bromodichloromethane	ug/L	32101			<	25
Q	Carbon tetrachloride	ug/L	32102			<	25
Q	1,2-Dichloroethane	ug/L	32103			<	25
Q	Bromoform	ug/L	32104			<	25
Q	Chloroform	ug/L	32106			<	25
Q	Toluene	ug/L	34010				110
Q	Benzene	ug/L	34030			<	25
Q	Chlorobenzene	ug/L	34301			<	25

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*Only Keypunch with Data in Column 35 or Columns 38-47

RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L314 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Chlorodibromomethane	ug/L	34306 (30–34)	(35)	(36)	< (37)	25 (38–47)
Q	Chloroethane	ug/L	34311			<	50
Q	Bromomethane	ug/L	34413			<	50
Q	Chloromethane	ug/L	34418			<	50
Q	Methylene chloride	ug/L	34423				26
Q	Tetrachloroethene	ug/L	34475			<	25
Q	Fluorotrichloromethane	ug/L	34488			<	50
Q	1,1-Dichloroethane	ug/L	34496			<	25
Q	1,1-Dichloroethene	ug/L	34501			<	25
Q	1,1,1-Trichloroethane	ug/L	34506			<	25
Q	1,1,2-Trichloroethane	ug/L	34511			<	25
Q	1,1,2,2-Tetrachloroethane	ug/L	34516			<	25
Q	1,2-Dichlorobenzene	ug/L	34536			<	25
Q	1,2-Dichloropropane	ug/L	34541			<	25
Q	trans-1,2-Dichloroethene	ug/L	34546			<	25
Q	1,2,4-Trichlorobenzene	ug/L	34551			<	25
Q	1,3-Dichlorobenzene	ug/L	34566			<	25
Q	1,4-Dichlorobenzene	ug/L	34571			<	25
Q	2-Chloroethylvinylether	ug/L	34576			<	130
Q	Dichlorodifluoromethane	ug/L	34668			<	50
Q	trans-1,3-Dichloropropene	ug/L	34699			<	25
Q	cis-1,3-Dichloropropene	ug/L	34704			<	25
Q	1,2-Dibromo-3-chloropropane	ug/L	38437			<	50
Q	Vinyl chloride	ug/L	39175			<	50
Q	Trichloroethene	ug/L	39180			<	25
Q	n-Butanol	ug/L	45265			<	2500
Q	trans-1,4-Dichloro-2-b	ug/L	73547			<	130

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*Only Keypunch with Data in Column 35 or Columns 38–47

RECORD CODE L P C S M 2 (1–7) TRANS CODE A

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L314 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Isopropyl alcohol	ug/L	77015 (30–34)	(35)	(36)	< (37)	25000 (38–47)
Q	1-Propanol	ug/L	77018			<	2500
Q	Carbon disulfide	ug/L	77041			<	25
Q	Vinyl acetate	ug/L	77057			<	25
Q	cis-1,2-Dichloroethene	ug/L	77093			<	25
Q	2-Hexanone	ug/L	77103			<	130
Q	Styrene	ug/L	77128			<	25
Q	1,1-Dichloropropene	ug/L	77168			<	25
Q	2,2-Dichloropropane	ug/L	77170			<	25
Q	1,3-Dichloropropane	ug/L	77173			<	25
Q	1,2,4-Trimethylbenzene	ug/L	77222			<	25
Q	Isopropylbenzene	ug/L	77223			<	25
Q	n-Propylbenzene	ug/L	77224			<	25
Q	1,3,5-Trimethylbenzene	ug/L	77226			<	25
Q	2-Chlorotoluene	ug/L	77275			<	25
Q	4-Chlorotoluene	ug/L	77277			<	25
Q	Bromochloromethane	ug/L	77297			<	25
Q	n-Butylbenzene	ug/L	77342			<	25
Q	s-Butylbenzene	ug/L	77350			<	25
Q	t-Butylbenzene	ug/L	77353			<	25
Q	p-Isopropyltoluene	ug/L	77356			<	25
Q	Iodomethane	ug/L	77424			<	130
Q	1,2,3-Trichloropropane	ug/L	77443			<	25
Q	1,1,1,2-Tetrachloroethane	ug/L	77562			<	25
Q	Dibromomethane	ug/L	77596			<	25
Q	1,2,3-Trichlorobenzene	ug/L	77613			<	25
Q	1,2-Dibromoethane	ug/L	77651			<	25

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RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L314 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Ethylbenzene	ug/L	78113 (30–34)	(35)	(36)	(37)	48 (38–47)
Q	4-Methyl-2-pentanone	ug/L	78133			<	130
Q	Xylene, total	ug/L	81551				92
Q	Acetone	ug/L	81552			<	130
Q	Bromobenzene	ug/L	81555			<	25
Q	Ethyl acetate	ug/L	81585			<	130
Q	2-Butanone	ug/L	81595			<	130
Q	Tetrahydrofuran	ug/L	81607				840
Q	Carbonate Alkalinity	mg/L				<	200
Q	Bicarbonate Alkalinity	mg/L	—				6700
Q	Total Alkalinity	mg/L	00410				6700
Q	BOD	mg/L	00310				239
Q	Chloride	mg/L	00940				4900
Q	Cyanide, total	mg/L	00720			<	0.010
Q	COD	mg/L	00340				2500
Q	COLIFORM	CFU/100	74055			<	100
Q	Chromium, Hexavalent	ug/L	01032			<	25000
Q	Fluoride	mg/L	00951				40
Q	Nitrogen, ammonia	mg/L	00610				2300
Q	Nitrogen, nitrate	mg/L	00620				0.082
Q	Oil & Grease, total recoverable	mg/L	00556				12
Q	Phenolics, total recoverable	ug/L	34043				420
Q	Sulfate	mg/L	00945			<	20
Q	Solids, total dissolved	mg/L	70295				24000
Q	TOC as NPOC	mg/L	00680				870
Q	Phosphorus, total	mg/L	00650				2.2
Q	Solids, total suspende	mg/L	00150				390

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RECORD CODE L P C S M 2 (1–7) TRANS CODE A

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L314 (19–22)

CO. Winnebago DATE COLLECTED 4/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Atrazine ug/L	39033 (30–34)	35	36	37	5.1 (38–47)
Q	Parathion ug/L	39540			<	1.0
Q	Alachlor ug/L	46317			<	2.0
Q	2,4-D ug/L	39730			<	5.0
Q	2,4,5-TP (Silvex) ug/L	39760			<	5.0
Q	Aldicarb ug/L	39053			<	20
Q	Carbofuran ug/L	81405			<	20

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*Only Keypunch with Data in Column 35 or Columns 38–47

IL 532 3213
LPC 160 1790 (CONT)

Leachate Monitoring Results
3rd Quarter

WINNEBAGO RECLAMATION
PAGEL LANDFILL - NORTH UNIT
LEACHATE

WINNEBAGO RECLAMATION
PAGEL LANDFILL - NORTH UNIT
LEACHATE

Well #	Date	Time	Odor	Color	Turbidity	TOIC	Stick Up	Total Depth	Temp C	Temp F	Cond@25	pH	GW Elev	Depth to Water from GS (ft)	Btm Elev	Depth to Water (from TOIC)	Report Due
L313	07/14/99	10:00	Leachate	Dk Brown	Slt	NA	NA	NA	36.00	96.80	32000	6.67	NA		NA	NA	9/15/99
L314	7/14/99	9:15	Leachate	Yellow	Slt	NA	NA	NA	25.00	77.00	24500	6.43	NA	57.84	NA	NA	9/15/99
L315	7/15/99	7:40	Leachate	Dk Brown	Slt	NA	NA	NA	39.00	102.20	30500	6.24	NA		NA	NA	9/15/99
L316	7/14/99	8:15	Leachate	Dk Brown	Very	NA	NA	NA	21.00	69.80	20650	5.63	NA	72.64	NA	NA	9/15/99

CHEMICAL ANALYSIS FORMS

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

RECORD CODE: L P C S M 0 1 (7)

TRANS CODE: A (8)

REPORT DUE DATE 9/15/99 (36MDY41)

FEDERAL ID NUMBER

SITE INVENTORY NUMBER 2018080001 (9–18)

MONITOR POINT NUMBER L313 (19–22) (see Instructions)

REGION N CO. Winnebago

DATE COLLECTED 07/14/99 (23MDY28)

FACILITY NAME PAGEL LANDFILL NORTH UNIT GROUNDWATER

FOR IEPA USE ONLY
LAB (29)
DATE RECEIVED / / (42MDY47)

BACKGROUND SAMPLE (X) (54)

TIME COLLECTED 10:00 (24 Hr. Clock) (55HM58)

UNABLE TO COLLECT SAMPLE (59)

MONITOR POINT SAMPLED BY F (60)

OTHER (SPECIFY)

SAMPLE FIELD FILTERED-INORGANICS (X) (61)

ORGANICS (X)

SAMPLE APPEARANCE: Leachate Dk Brown Slt (63–102)

COLLECTOR COMMENTS (103–142)

LAB COMMENTS (150–199)

RECORD CODE L P C S M 0 2 TRANS CODE A (COLUMNS 9-29 FNM ABOVE)

	FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	TEMP OF WATER (unfiltered F)	00011 (30–34)	(35)	(36)	(37)	96.800 (38–47)
Q	SPEC COND (unfiltered umhos)	00094				32000.000
Q	pH (unfiltered units)	00400				6.670
Q	ELEV OF GW SURF (ft ref MSL)	71993				NA
Q	DEPTH OF WATER (ft below LS)	72019				0
A	BTM WELL ELEV (ft ref MSL)	72020				NA
Q	DEPTH TO WATER FR MEA PT (ft)	72109				NA

IL 532 3213
LPC 160 01/90

This agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1004 and 1021. Disclosure of this information is required. Failure to do so so may result in a civil penalty up to $25,000 for each day the failure continues a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

*Only Keypunch with Data in Columns 35 or Columns 38-47

RECORD CODE | L | P | C | S | M | | 2 |
1 7

TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001
9 18

MONITOR POINT NUMBER L313
19 22

CO. Winnebago

DATE COLLECTED 7/14/99
23MDY28

PAGEL NORTH UNIT LEACHATE
FACILITY NAME

LAB _____
29

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Silver	ug/L	01077 (30 34)	(35)	(36)	< (37)	25 (38 47)
Q	Arsenic	ug/L	01002				500
Q	Barium	ug/L	01007				590
Q	Cadmium	ug/L	01027			<	5.0
Q	Chromium	ug/L	01034				450
Q	Copper	ug/L	01042			<	50
Q	Iron	ug/L	74010				4100
Q	Mercury	ug/L	71900				1.4
Q	Manganese	ug/L	01055				85
Q	Nickel	ug/L	01067				450
Q	Lead	ug/L	01051			<	25
Q	Zinc	ug/L	01092				290
Q	BOD	mg/L	00310				4530
Q	Cyanide, total	mg/L	00720				0.018
Q	COD	mg/L	00340				14000
Q	COLIFORM	CFU/100	74055			<	10
Q	Chromium, Hexavalent	ug/L	01032			<	500
Q	Fluoride	mg/L	00951				26
Q	Nitrogen, ammonia	mg/L	00610				2300
Q	Oil & Grease, total recoverable	mg/L	00556				81
Q	Phenolics, total recoverable	ug/L	34043				55000
Q	Solids, total dissolved	mg/L	70295				16000
Q	Phosphorus, total	mg/L	00650				18
Q	Solids, total suspended	mg/L	00150				64

All analytical procedures must be performed in accordance with the methods contained in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods," SW-846, 3rd Edition, September 1986 or equivalent methods approved by the Agency. Proper sample chain of custody control and quality assurance/quality control procedures must be maintained in accordance with the facility sampling and analysis plan.

*Only Keypunch with Data in Column 35 or Columns 38-47

IL 532 3213
LPC 160 1790 (CONT)

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

RECORD CODE: L P C S M 0 1 (7)

TRANS CODE: A (8)

REPORT DUE DATE 9/15/99 (36MDY41)

FEDERAL ID NUMBER

SITE INVENTORY NUMBER 2018080001 (9–18)

MONITOR POINT NUMBER L314 (19–22) (see Instructions)

REGION N CO. Winnebago

DATE COLLECTED 7/14/99 (23MDY28)

FACILITY NAME PAGEL LANDFILL NORTH UNIT GROUNDWATER

FOR IEPA USE ONLY

LAB ___ (29)

DATE RECEIVED / / (42MDY47)

BACKGROUND SAMPLE (X) ___ (54)

TIME COLLECTED 9:15 (55HM58) (24 Hr. Clock)

UNABLE TO COLLECT SAMPLE ___ (59)

MONITOR POINT SAMPLED BY F (60) OTHER (SPECIFY)

SAMPLE FIELD FILTERED-INORGANICS (X) ___ (61) ORGANICS (X) ___

SAMPLE APPEARANCE Leachate Yellow Slt (63–102)

COLLECTOR COMMENTS (103–142)

LAB COMMENTS (150–199)

RECORD CODE L P C S M 0 2 TRANS CODE A (COLUMNS 9-29 FNM ABOVE)

	FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER (30–34)	Remarks (35)	Replicate (36)	< OR > (37)	VALUE (38–47)
Q	TEMP OF WATER (unfiltered F)	00011				77.000
Q	SPEC COND (unfiltered umhos)	00094				24500.000
Q	pH (unfiltered units)	00400				6.430
Q	ELEV OF GW SURF (ft ref MSL)	71993				NA
Q	DEPTH OF WATER (ft below LS)	72019				57.84
A	BTM WELL ELEV (ft ref MSL)	72020				NA
Q	DEPTH TO WATER FR MEA PT (ft)	72109				NA

IL 532 3213
LPC 160 01/90

This agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1004 and 1021. Disclosure of this information is required. Failure to do so so may result in a civil penalty up to $25,000 for each day the failure continues a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

*Only Keypunch with Data in Columns 35 or Columns 38-47

RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L314 (19–22)

CO. Winnebago DATE COLLECTED 7/14/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Silver ug/L	01077 (30–34)	(35)	(36)	< (37)	25 (38–47)
Q	Arsenic ug/L	01002			<	50
Q	Barium ug/L	01007				420
Q	Cadmium ug/L	01027				9.8
Q	Chromium ug/L	01034				270
Q	Copper ug/L	01042				120
Q	Iron ug/L	74010				11000
Q	Mercury ug/L	71900			<	0.20
Q	Manganese ug/L	01055				160
Q	Nickel ug/L	01067				480
Q	Lead ug/L	01051				92
Q	Zinc ug/L	01092				1300
Q	BOD mg/L	00310				110
Q	Cyanide, total mg/L	00720				0.014
Q	COD mg/L	00340				2800
Q	COLIFORM CFU/100	74055			<	10
Q	Chromium, Hexavalent ug/L	01032			<	2500
Q	Fluoride mg/L	00951			<	2.0
Q	Nitrogen, ammonia mg/L	00610				1800
Q	Oil & Grease, total recoverable mg/L	00556				31
Q	Phenolics, total recoverable ug/L	34043				660
Q	Solids, total dissolved mg/L	70295				9000
Q	Phosphorus, total mg/L	00650				8.8
Q	Solids, total suspended mg/L	00150				550

All analytical procedures must be performed in accordance with the methods contained in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods," SW-846, 3rd Edition, September 1986 or equivalent methods approved by the Agency. Proper sample chain of custody control and quality assurance/quality control procedures must be maintained in accordance with the facility sampling and analysis plan.

*Only Keypunch with Data in Column 35 or Columns 38-47

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

RECORD CODE: L P C S M 0 1 (7)

TRANS CODE: A (8)

REPORT DUE DATE 9/15/99 (36MDY41)

FEDERAL ID NUMBER

SITE INVENTORY NUMBER 2018080001 (9–18)

MONITOR POINT NUMBER L316 (19–22) (see Instructions)

REGION N CO. Winnebago

DATE COLLECTED 7/14/99 (23MDY28)

FACILITY NAME PAGEL LANDFILL NORTH UNIT GROUNDWATER

FOR IEPA USE ONLY
LAB (29)
DATE RECEIVED / / (42MDY47)

BACKGROUND SAMPLE (X) (54)

TIME COLLECTED 8:15 (24 Hr. Clock) (55HM58)

UNABLE TO COLLECT SAMPLE (59)

MONITOR POINT SAMPLED BY F (60)

OTHER (SPECIFY)

SAMPLE FIELD FILTERED-INORGANICS (X) (61)

ORGANICS (X)

SAMPLE APPEARANCE Leachate Dk Brown Very (63–102)

COLLECTOR COMMENTS (103–142)

LAB COMMENTS (150–199)

RECORD CODE L P C S M 0 2 TRANS CODE A (COLUMNS 9-29 FNM ABOVE)

	FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER (30–34)	Remarks (35)	Replicate (36)	< OR > (37)	VALUE (38–47)
Q	TEMP OF WATER (unfiltered F)	00011				69.800
Q	SPEC COND (unfiltered umhos)	00094				20650.000
Q	pH (unfiltered units)	00400				5.630
Q	ELEV OF GW SURF (ft ref MSL)	71993				NA
Q	DEPTH OF WATER (ft below LS)	72019				72.64
A	BTM WELL ELEV (ft ref MSL)	72020				NA
Q	DEPTH TO WATER FR MEA PT (ft)	72109				NA

IL 532 3213
LPC 160 01/90

This agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1004 and 1021. Disclosure of this information is required. Failure to do so so may result in a civil penalty up to $25,000 for each day the failure continues a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

*Only Keypunch with Data in Columns 35 or Columns 38-47

RECORD CODE | L | P | C | S | M | | 2 |
1 7

TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001
9 18

MONITOR POINT NUMBER L316
19 22

CO. Winnebago

DATE COLLECTED 7/14/99
23MDY28

PAGEL NORTH UNIT LEACHATE
FACILITY NAME

LAB _____
29

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Silver	ug/L	01077 (30 34)	35	36	< (37)	25 (38 47)
Q	Arsenic	ug/L	01002			<	50
Q	Barium	ug/L	01007				320
Q	Cadmium	ug/L	01027				35
Q	Chromium	ug/L	01034				110
Q	Copper	ug/L	01042			<	50
Q	Iron	ug/L	74010				250000
Q	Mercury	ug/L	71900			<	0.20
Q	Manganese	ug/L	01055				6400
Q	Nickel	ug/L	01067				440
Q	Lead	ug/L	01051				79
Q	Zinc	ug/L	01092				25000
Q	BOD	mg/L	00310				8470
Q	Cyanide, total	mg/L	00720			<	0.010
Q	COD	mg/L	00340				15000
Q	COLIFORM	CFU/100	74055			<	100
Q	Chromium, Hexavalent	ug/L	01032			<	500
Q	Fluoride	mg/L	00951				260
Q	Nitrogen, ammonia	mg/L	00610				1100
Q	Oil & Grease, total recoverable	mg/L	00556				330
Q	Phenolics, total recoverable	ug/L	34043				3800
Q	Solids, total dissolved	mg/L	70295				15000
Q	Phosphorus, total	mg/L	00650				3.8
Q	Solids, total suspended	mg/L	00150				720

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*Only Keypunch with Data in Column 35 or Columns 38-47

IL 532 3213
LPC 160 1790 (CONT)

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

RECORD CODE: L P C S M 0 1 (7)

TRANS CODE: A (8)

REPORT DUE DATE 9/15/99 (36MDY41)

FEDERAL ID NUMBER

SITE INVENTORY NUMBER 2018080001 (9–18)

MONITOR POINT NUMBER (see Instructions) L315 (19–22)

REGION N CO. Winnebago

DATE COLLECTED 7/15/99 (23MDY28)

FACILITY NAME PAGEL LANDFILL NORTH UNIT GROUNDWATER

FOR IEPA USE ONLY
LAB (29)
DATE RECEIVED / / (42MDY47)

BACKGROUND SAMPLE (X) (54)

TIME COLLECTED (24 Hr. Clock) 7:40 (55HM58)

UNABLE TO COLLECT SAMPLE (59)

MONITOR POINT SAMPLED BY F (60)

OTHER (SPECIFY)

SAMPLE FIELD FILTERED-INORGANICS (X) (61)

ORGANICS (X)

SAMPLE APPEARANCE Leachate Dk Brown Slt (63–102)

COLLECTOR COMMENTS (103–142)

LAB COMMENTS (150–199)

RECORD CODE L P C S M 0 2 TRANS CODE A (COLUMNS 9-29 FNM ABOVE)

	FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER (30–34)	Remarks (35)	Replicate (36)	< OR > (37)	VALUE (38–47)
Q	TEMP OF WATER (unfiltered F)	00011				102.200
Q	SPEC COND (unfiltered umhos)	00094				30500.000
Q	pH (unfiltered units)	00400				6.240
Q	ELEV OF GW SURF (ft ref MSL)	71993				NA
Q	DEPTH OF WATER (ft below LS)	72019				0
A	BTM WELL ELEV (ft ref MSL)	72020				NA
Q	DEPTH TO WATER FR MEA PT (ft)	72109				NA

IL 532 3213
LPC 160 01/90

This agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1004 and 1021. Disclosure of this information is required. Failure to do so so may result in a civil penalty up to $25,000 for each day the failure continues a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

*Only Keypunch with Data in Columns 35 or Columns 38-47

RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L315 (19–22)

CO. Winnebago DATE COLLECTED 7/15/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE (FACILITY NAME) LAB _____ (29)

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Silver	ug/L	01077 (30–34)	(35)	(36)	< (37)	25 (38–47)
Q	Arsenic	ug/L	01002				240
Q	Barium	ug/L	01007				890
Q	Cadmium	ug/L	01027			<	5.0
Q	Chromium	ug/L	01034				500
Q	Copper	ug/L	01042			<	50
Q	Iron	ug/L	74010				6200
Q	Mercury	ug/L	71900			<	0.20
Q	Manganese	ug/L	01055				76
Q	Nickel	ug/L	01067				690
Q	Lead	ug/L	01051				41
Q	Zinc	ug/L	01092				360
Q	BOD	mg/L	00310				259
Q	Cyanide, total	mg/L	00720				0.022
Q	COD	mg/L	00340				7300
Q	COLIFORM	CFU/100	74055			<	10
Q	Chromium, Hexavalent	ug/L	01032			<	5000
Q	Fluoride	mg/L	00951			<	2.0
Q	Nitrogen, ammonia	mg/L	00610				2200
Q	Oil & Grease, total recoverable	mg/L	00556				58
Q	Phenolics, total recoverable	ug/L	34043				88
Q	Solids, total dissolved	mg/L	70295				14000
Q	Phosphorus, total	mg/L	00650				17
Q	Solids, total suspended	mg/L	00150				17

All analytical procedures must be performed in accordance with the methods contained in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods," SW-846, 3rd Edition, September 1986 or equivalent methods approved by the Agency. Proper sample chain of custody control and quality assurance/quality control procedures must be maintained in accordance with the facility sampling and analysis plan.

*Only Keypunch with Data in Column 35 or Columns 38-47

IL 532 3213
LPC 160 1790 (CONT)

ANALYTICAL RESULTS

Madison Office & Laboratory
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Corporate Office & Laboratory
1795 Industrial Drive
Green Bay, WI 54302
920-469-2436 • Fax: 920-469-8827
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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE

Client : WINNEBAGO RECLAMATION SERVI

Project Number : 2018080001

Report Date : 8/9/99

WI DNR LAB ID : 113172950

Lab Sample No.	Field ID	Collection Date	Lab Sample No.	Field ID	Collection Date
992908-001	L313	7/14/99			
992908-002	L314	7/14/99			
992908-003	L316	7/14/99			
992908-004	L315	7/15/99			

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample narrative. Release of this final report is authorized by Laboratory management, as is verified by the following signature.

Betsy Nabilfeld
Approval Signature

8/11/99
Date

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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE
Project Number : 2018080001
Field ID : L313
Lab Sample Number : 992908-001
Lab Project Number : 992908

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 8/11/99
Collection Date : 7/14/99
Matrix Type : LEACHATE
WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Arsenic	500	50	ug/L	K	7/29/99	SW846 7060A	SW846 7060A
Barium	590	25	ug/L	K	7/29/99	SW846 3010A	SW846 6010B
Cadmium	< 5.0	5.0	ug/L	K	7/29/99	SW846 7131	SW846 7131
Chromium	450	15	ug/L	K	7/29/99	SW846 3010A	SW846 6010B
Copper	< 50	50	ug/L	K, B(2.4)	7/29/99	SW846 3010A	SW846 6010B
Iron	4100	250	ug/L	K	7/29/99	SW846 3010A	SW846 6010B
Lead	< 25	25	ug/L	K	7/29/99	SW846 7421	SW846 7421
Manganese	85	10	ug/L	K	7/29/99	SW846 3010A	SW846 6010B
Mercury	1.4	0.20	ug/L	K	7/30/99	SW846 7470A	SW846 7470A
Nickel	450	25	ug/L	K	7/29/99	SW846 3010A	SW846 6010B
Silver	< 25	25	ug/L	K	7/29/99	SW846 3005A	SW846 6010B
Zinc	290	100	ug/L	K	7/29/99	SW846 3010A	SW846 6010B
BOD	4530	2.000	mg/L	SUB	7/15/99	SM 5210	SM 5210
Chromium, Hexavalent	< 500	500	ug/L	ED	7/14/99	SW846 7196A	SW846 7196A
COD	14000	2500	mg/L	K	7/22/99	EPA 410.4	EPA 410.4
COLIFORM	< 10	10	CFU/100	SUB	7/16/99	SM 9222D	SM 9222D
Cyanide, total	0.018	0.010	mg/L		7/30/99	SW846 9012A	SW846 9012A
Fluoride	26	2.0	mg/L		8/4/99	EPA 300.0	EPA 300.0
Nitrogen, ammonia	2300	50	mg/L	K	8/3/99	EPA 350.1	EPA 350.1
Oil & Grease, total recoverable	81	5.1	mg/L	K	7/29/99	EPA 413.1	EPA 413.1
Phenolics, total recoverable	55000	5000	ug/L	K	8/6/99	EPA 420.2	EPA 420.2
Phosphorus, total	18	2.5	mg/L	K	8/6/99	EPA 365.4	EPA 365.1
Solids, total dissolved	16000	20	mg/L		7/21/99	EPA 160.1	EPA 160.1
Solids, total suspended	64	10	mg/L		7/16/99	EPA 160.2	EPA 160.2

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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE
Project Number : 2018080001
Field ID : L314
Lab Sample Number : 992908-002
Lab Project Number : 992908

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 8/11/99
Collection Date : 7/14/99
Matrix Type : LEACHATE
WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Arsenic	< 50	50	ug/L	K	7/29/99	SW846 7060A	SW846 7060A
Barium	420	25	ug/L	K	7/29/99	SW846 3010A	SW846 6010B
Cadmium	9.8	5.0	ug/L	K	7/29/99	SW846 7131	SW846 7131
Chromium	270	15	ug/L	K	7/29/99	SW846 3010A	SW846 6010B
Copper	120	50	ug/L	K, B(2.4)	7/29/99	SW846 3010A	SW846 6010B
Iron	11000	250	ug/L	K	7/29/99	SW846 3010A	SW846 6010B
Lead	92	25	ug/L	K	7/29/99	SW846 7421	SW846 7421
Manganese	160	10	ug/L	K	7/29/99	SW846 3010A	SW846 6010B
Mercury	< 0.20	0.20	ug/L	K	7/30/99	SW846 7470A	SW846 7470A
Nickel	480	25	ug/L	K	7/29/99	SW846 3010A	SW846 6010B
Silver	< 25	25	ug/L	K	7/29/99	SW846 3005A	SW846 6010B
Zinc	1300	100	ug/L	K	7/29/99	SW846 3010A	SW846 6010B
BOD	110	2.00	mg/L	5,SUB	7/15/99	SM 5210	SM 5210
Chromium, Hexavalent	< 2500	2500	ug/L	ED	7/14/99	SW846 7196A	SW846 7196A
COD	2800	500	mg/L	K	7/22/99	EPA 410.4	EPA 410.4
COLIFORM	< 10	10	CFU/100	SUB	7/16/99	SM 9222D	SM 9222D
Cyanide, total	0.014	0.010	mg/L		7/30/99	SW846 9012A	SW846 9012A
Fluoride	< 2.0	2.0	mg/L	ED	8/4/99	EPA 300.0	EPA 300.0
Nitrogen, ammonia	1800	50	mg/L	K	8/3/99	EPA 350.1	EPA 350.1
Oil & Grease, total recoverable	31	4.7	mg/L	K	7/29/99	EPA 413.1	EPA 413.1
Phenolics, total recoverable	660	50	ug/L	K	8/6/99	EPA 420.2	EPA 420.2
Phosphorus, total	8.8	0.50	mg/L	K	8/6/99	EPA 365.4	EPA 365.1
Solids, total dissolved	9000	20	mg/L		7/21/99	EPA 160.1	EPA 160.1
Solids, total suspended	550	10	mg/L		7/16/99	EPA 160.2	EPA 160.2

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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE
Project Number : 2018080001
Field ID : L315
Lab Sample Number : 992908-004
Lab Project Number : 992908

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 8/11/99
Collection Date : 7/15/99
Matrix Type : LEACHATE
WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Arsenic	240	50	ug/L	K	7/29/99	SW846 7060A	SW846 7060A
Barium	890	25	ug/L	K	7/29/99	SW846 3010A	SW846 6010B
Cadmium	< 5.0	5.0	ug/L	K	7/29/99	SW846 7131	SW846 7131
Chromium	500	15	ug/L	K	7/29/99	SW846 3010A	SW846 6010B
Copper	< 50	50	ug/L	K, B(2.4)	7/29/99	SW846 3010A	SW846 6010B
Iron	6200	250	ug/L	K	7/29/99	SW846 3010A	SW846 6010B
Lead	41	25	ug/L	K	7/29/99	SW846 7421	SW846 7421
Manganese	76	10	ug/L	K	7/29/99	SW846 3010A	SW846 6010B
Mercury	< 0.20	0.20	ug/L	K	7/30/99	SW846 7470A	SW846 7470A
Nickel	690	25	ug/L	K	7/29/99	SW846 3010A	SW846 6010B
Silver	< 25	25	ug/L	K	7/29/99	SW846 3005A	SW846 6010B
Zinc	360	100	ug/L	K	7/29/99	SW846 3010A	SW846 6010B
BOD	259	2.00	mg/L	Q5SUB	7/16/99	SM 5210	SM 5210
Chromium, Hexavalent	< 5000	5000	ug/L	ED	7/15/99	SW846 7196A	SW846 7196A
COD	7300	500	mg/L	K	7/22/99	EPA 410.4	EPA 410.4
COLIFORM	< 10	10	CFU/100	SUB,H	7/16/99	SM 9222D	SM 9222D
Cyanide, total	0.022	0.010	mg/L		7/30/99	SW846 9012A	SW846 9012A
Fluoride	< 2.0	2.0	mg/L	ED	8/4/99	EPA 300.0	EPA 300.0
Nitrogen, ammonia	2200	50	mg/L	K	8/3/99	EPA 350.1	EPA 350.1
Oil & Grease, total recoverable	58	5.2	mg/L	K	7/29/99	EPA 413.1	EPA 413.1
Phenolics, total recoverable	88	10	ug/L	K	8/6/99	EPA 420.2	EPA 420.2
Phosphorus, total	17	1.0	mg/L	K	8/6/99	EPA 365.4	EPA 365.1
Solids, total dissolved	14000	20	mg/L		7/21/99	EPA 160.1	EPA 160.1
Solids, total suspended	17	10	mg/L		7/16/99	EPA 160.2	EPA 160.2

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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE
Project Number : 2018080001
Field ID : L316
Lab Sample Number : 992908-003
Lab Project Number : 992908

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 8/11/99
Collection Date : 7/14/99
Matrix Type : LEACHATE
WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Arsenic	< 50	50	ug/L	K	7/29/99	SW846 7060A	SW846 7060A
Barium	320	25	ug/L	K	7/29/99	SW846 3010A	SW846 6010B
Cadmium	35	5.0	ug/L	K	7/29/99	SW846 7131	SW846 7131
Chromium	110	15	ug/L	K	7/29/99	SW846 3010A	SW846 6010B
Copper	< 50	50	ug/L	K, B(2.4)	7/29/99	SW846 3010A	SW846 6010B
Iron	250000	250	ug/L	K	7/29/99	SW846 3010A	SW846 6010B
Lead	79	25	ug/L	K	7/29/99	SW846 7421	SW846 7421
Manganese	6400	10	ug/L	K	7/29/99	SW846 3010A	SW846 6010B
Mercury	< 0.20	0.20	ug/L	K	7/30/99	SW846 7470A	SW846 7470A
Nickel	440	25	ug/L	K	7/29/99	SW846 3010A	SW846 6010B
Silver	< 25	25	ug/L	K	7/29/99	SW846 3005A	SW846 6010B
Zinc	25000	100	ug/L	K	7/29/99	SW846 3010A	SW846 6010B
BOD	8470	2.000	mg/L	SUB	7/15/99	SM 5210	SM 5210
Chromium, Hexavalent	< 500	500	ug/L	ED	7/14/99	SW846 7196A	SW846 7196A
COD	15000	5000	mg/L	K	7/22/99	EPA 410.4	EPA 410.4
COLIFORM	< 100	100	CFU/100	SUB	7/16/99	SM 9222D	SM 9222D
Cyanide, total	< 0.010	0.010	mg/L		7/30/99	SW846 9012A	SW846 9012A
Fluoride	260	2.0	mg/L		8/4/99	EPA 300.0	EPA 300.0
Nitrogen, ammonia	1100	25	mg/L	K	8/3/99	EPA 350.1	EPA 350.1
Oil & Grease, total recoverable	330	4.8	mg/L	K	7/29/99	EPA 413.1	EPA 413.1
Phenolics, total recoverable	3800	200	ug/L	K	8/6/99	EPA 420.2	EPA 420.2
Phosphorus, total	3.8	0.50	mg/L	K	8/6/99	EPA 365.4	EPA 365.1
Solids, total dissolved	15000	20	mg/L		7/21/99	EPA 160.1	EPA 160.1
Solids, total suspended	720	20	mg/L		7/16/99	EPA 160.2	EPA 160.2

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Green Bay, WI 54302
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Inorganic Data Qualifier Sheet

A	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory LOD. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
AI	Due to the matrix of this sample the alternate isotope was used for analysis.
B	Analyte is detected in the method blank at "x" concentration. Method blank criteria is evaluated to the laboratory LOD. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
BB	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
BD	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
BI	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
BL	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
BX	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
DA	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
DF	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria. (See Sample Narrative).
E	Estimated concentration due to matrix interferences. During the metals analysis using the inductively coupled plasma (ICP), the serial dilution failed to meet the established control limits of 0-10% and the sample concentrations greater than 50 times the EQL. The result was flagged with the E qualifier to indicate that a physical interference was observed.
ED	Elevated detection limit due to matrix effects.
G	Unable to determine precision due to matrix interference.
H	Sample was received past the established holding time. (Applies to all analytes for this method.)
K	Sample received unpreserved. Sample was either preserved at the time of receipt or at the time of sample preparation.
LV	Elevated detection limit due to low sample volume.
MS	Either the matrix spike or matrix spike duplicate was outside of the acceptable control limits. All other supporting QC was within the acceptable control limits.
N	Spiked sample recovery not within control limits; post-digestion spike recovery accepted.

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NR Digested and post-digested spike recoveries fail accuracy control limits.

NR	Not required.
Q	Laboratory Control Sample outside acceptance limits.
Sub	Assay was subcontracted to an approved lab.
UN	Unable to preserve sample due to matrix.
X	See sample narrative.
*	Duplicate analyses not within control limits.
5	Insufficient oxygen depletion.

Company Name: Winnebago Rec *
Branch or Location: Rockford
Project Contact: Tom Wilbert *
Telephone: 2018080001
Project Number: 815 874-4806 P
Project Name: Pagel North Unit Lch
Project State: IL
Sampled By (Print):

Regulatory Program (circle): UST RCRA CLP SDWA NPDES/WPDES CAA NR
Other

NR720 Confirmation Analysis Required? (circle): Y N
(En Chem will not confirm unless otherwise instructed.)

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Superior, WI 54880
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FAX 715-392-5843

CHAIN OF CUSTODY

35520

Page 1 of 1
P.O. #
Quote #
Mail Report To: Same as *
Company: Same as *
Address: 8403 Lindenwood Rockford, IL 61109
Invoice To: Same as rpt.
Company:
Address:
Mail Invoice To:

ANALYSES REQUESTED

FIELD ID	SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	As 7060 (7010)	Ba 6010 (7080)	Cr+6 (7196)	Cd (9012A)	Fe 6010 (7380)	Hg 7470 (7471)	Pb 6010 (7421)	Cu 6010 (7210)	BOD (405.1)	FIELD SCREEN	MATRIX	GOOD COND.	TOTAL BOTTLES	COMMENTS	LABORATORY NUMBER
L313		7/14	1000	✓	✓	✓	✓	✓	✓	✓	✓	✓		W	See NC	8	pH	992908-001
L314		7/14	0915	✓	✓	✓	✓	✓	✓	✓	✓	✓		W	↓	8	↓	002
L315																		
L316		7/14	0815	✓	✓	✓	✓	✓	✓	✓	✓	✓		W	↓	8	↓	003

SHADED AREA FOR LABORATORY USE ONLY

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol**
G=NaOH O=Other (Indicate)

**If not using En Chem's methanol, indicate volume of methanol added and mark the appropriate samples.

Relinquished By:	Date/Time:	Received By:	Date/Time:
S.J. Dumbala	7/14/99 1200	John C. Jacobson	7-14-99 12:00
John C. Jacobson	7-14-99 14:35	Bill Rottemeyer	7/14/99 1435

En Chem Project No.
Sample Receipt Temp. ROI 21°C
Sample Receipt pH (Wet/Metals) See NC
Custody Seal N

Leachate Monitoring Results
4th Quarter

WINNEBAGO RECLAMATION
PAGEL LANDFILL - NORTH UNIT
LEACHATE

ANALYTICAL RESULTS

WINNEBAGO RECLAMATION
PAGEL LANDFILL - NORTH UNIT
LEACHATE

Well #	Date	Time	Odor	Color	Turbidity	TOIC	Stick Up	Total Depth	Temp C	Temp F	Cond@25	pH	GW Elev	Depth to Water from GS (ft)	Btm Elev	Depth to Water (from TOIC)	Report Due
L313	11/03/99	10:00	Str.Lch	Tan	Slight	NA	NA	NA	21.00	69.80	33587	9.14	NA	68.52	NA	NA	1/15/00
L314	11/03/99	9:30	Str.Lch	Gray	Slight	NA	NA	NA	14.00	57.20	25961	8.77	NA	56.76	NA	NA	1/15/00
L315						NA	NA	NA		32.00			NA		NA	NA	1/15/00
L316	11/03/99	9:00	Str.Lch	Gray	Slight	NA	NA	NA	13.00	55.40	21184	8.99	NA	70.10	NA	NA	1/15/00

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

RECORD CODE: L P C S M 0 1 (7)

TRANS CODE: A (8)

REPORT DUE DATE 1/15/00 (36MDY41)

FEDERAL ID NUMBER

SITE INVENTORY NUMBER 2018080001 (9–18)

MONITOR POINT NUMBER L316 (19–22) (see Instructions)

REGION N CO. Winnebago

DATE COLLECTED 11/03/99 (23MDY28)

FACILITY NAME PAGEL LANDFILL NORTH UNIT GROUNDWATER

FOR IEPA USE ONLY

LAB (29)

DATE RECEIVED / / (42MDY47)

BACKGROUND SAMPLE (X) (54)

TIME COLLECTED 9:00 (24 Hr. Clock) (55HM58)

UNABLE TO COLLECT SAMPLE (59)

MONITOR POINT SAMPLED BY F (60)

OTHER (SPECIFY)

SAMPLE FIELD FILTERED-INORGANICS (X) (61)

ORGANICS (X)

SAMPLE APPEARANCE (63–102): Str.Lch Gray Slight

COLLECTOR COMMENTS (103–142)

LAB COMMENTS (150–199)

RECORD CODE L P C S M 0 2 TRANS CODE A (COLUMNS 9-29 FNM ABOVE)

	FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER (30–34)	Remarks (35)	Replicate (36)	< OR > (37)	VALUE (38–47)
Q	TEMP OF WATER (unfiltered F)	00011				55.400
Q	SPEC COND (unfiltered umhos)	00094				21184.000
Q	pH (unfiltered units)	00400				8.990
Q	ELEV OF GW SURF (ft ref MSL)	71993				NA
Q	DEPTH OF WATER (ft below LS)	72019				70.1
A	BTM WELL ELEV (ft ref MSL)	72020				NA
Q	DEPTH TO WATER FR MEA PT (ft)	72109				NA

IL 532 3213
LPC 160 01/90

This agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1004 and 1021. Disclosure of this information is required. Failure to do so so may result in a civil penalty up to $25,000 for each day the failure continues a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

*Only Keypunch with Data in Columns 35 or Columns 38-47

RECORD CODE | L | P | C | S | M | | 2 | (1–7) TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001 (9–18) MONITOR POINT NUMBER L316 (19–22)

CO. Winnebago DATE COLLECTED 11/3/99 (23MDY28)

PAGEL NORTH UNIT LEACHATE - QTRLY LAB _____ (29)
FACILITY NAME

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Silver	ug/L	01077 (30–34)	(35)	(36)	< (37)	5.0 (38–47)
Q	Arsenic	ug/L	01002				14
Q	Barium	ug/L	01007				280
Q	Cadmium	ug/L	01027				5.3
Q	Chromium	ug/L	01034				54
Q	Copper	ug/L	01042			<	25
Q	Iron	ug/L	74010				87000
Q	Mercury	ug/L	71900			<	0.20
Q	Manganese	ug/L	01055				2400
Q	Nickel	ug/L	01067				420
Q	Lead	ug/L	01051				42
Q	Zinc	ug/L	01092				1900
Q	BOD	mg/L	00310				39400
Q	Cyanide, total	mg/L	00720			<	0.020
Q	COD	mg/L	00340				6900
Q	COLIFORM	CFU/100	74055				130000
Q	Chromium, Hexavalent	ug/L	01032			<	500
Q	Fluoride	mg/L	00951				0.21
Q	Nitrogen, ammonia	mg/L	00610				940
Q	Oil & Grease, total recoverable	mg/L	00556				210
Q	Phenolics, total recoverable	ug/L	34043				1600
Q	Solids, total dissolved	mg/L	70295				10000
Q	Phosphorus, total	mg/L	00650				2.9
Q	Solids, total suspended	mg/L	00150				290

All analytical procedures must be performed in accordance with the methods contained in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods," SW-846, 3rd Edition, September 1986 or equivalent methods approved by the Agency. Proper sample chain of custody control and quality assurance/quality control procedures must be maintained in accordance with the facility sampling and analysis plan.

*Only Keypunch with Data in Column 35 or Columns 38-47

IL 532 3213
LPC 160 1790 (CONT)

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

RECORD CODE: L P C S M 0 1 (7)

TRANS CODE: A (8)

REPORT DUE DATE 1/15/00 (36MDY41)

FEDERAL ID NUMBER

SITE INVENTORY NUMBER 2018080001 (9–18)

MONITOR POINT NUMBER L313 (19–22) (see Instructions)

REGION N CO. Winnebago

DATE COLLECTED 11/03/99 (23MDY28)

FACILITY NAME PAGEL LANDFILL NORTH UNIT GROUNDWATER

FOR IEPA USE ONLY
LAB (29)
DATE RECEIVED / / (42MDY47)

BACKGROUND SAMPLE (X) (54)

TIME COLLECTED 10:00 (24 Hr. Clock) (55HM58)

UNABLE TO COLLECT SAMPLE (59)

MONITOR POINT SAMPLED BY F (60)

OTHER (SPECIFY)

SAMPLE FIELD FILTERED-INORGANICS (X) (61)

ORGANICS (X)

SAMPLE APPEARANCE: Str.Lch Tan Slight (63–102)

COLLECTOR COMMENTS (103–142)

LAB COMMENTS (150–199)

RECORD CODE L P C S M 0 2 TRANS CODE A (COLUMNS 9-29 FNM ABOVE)

	FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	TEMP OF WATER (unfiltered F)	00011 (30–34)	(35)	(36)	(37)	69.800 (38–47)
Q	SPEC COND (unfiltered umhos)	00094				33587.000
Q	pH (unfiltered units)	00400				9.140
Q	ELEV OF GW SURF (ft ref MSL)	71993				NA
Q	DEPTH OF WATER (ft below LS)	72019				68.52
A	BTM WELL ELEV (ft ref MSL)	72020				NA
Q	DEPTH TO WATER FR MEA PT (ft)	72109				NA

IL 532 3213
LPC 160 01/90

This agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1004 and 1021. Disclosure of this information is required. Failure to do so so may result in a civil penalty up to $25,000 for each day the failure continues a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

*Only Keypunch with Data in Columns 35 or Columns 38-47

RECORD CODE | L | P | C | S | M | | 2 |
1 7

TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001
9 18

MONITOR POINT NUMBER L313
19 22

CO. Winnebago

DATE COLLECTED 11/3/99
23MDY28

PAGEL NORTH UNIT LEACHATE - QTRLY
FACILITY NAME

LAB _____
29

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Silver	ug/L	01077 (30 34)	(35)	(36)	< (37)	5.0 (38 47)
Q	Arsenic	ug/L	01002				770
Q	Barium	ug/L	01007				550
Q	Cadmium	ug/L	01027			<	0.30
Q	Chromium	ug/L	01034				470
Q	Copper	ug/L	01042				48
Q	Iron	ug/L	74010				4400
Q	Mercury	ug/L	71900				1.6
Q	Manganese	ug/L	01055				110
Q	Nickel	ug/L	01067				450
Q	Lead	ug/L	01051				12
Q	Zinc	ug/L	01092				240
Q	BOD	mg/L	00310				4260
Q	Cyanide, total	mg/L	00720			<	0.020
Q	COD	mg/L	00340				14000
Q	COLIFORM	CFU/100	74055			<	10
Q	Chromium, Hexavalent	ug/L	01032			<	500
Q	Fluoride	mg/L	00951				0.59
Q	Nitrogen, ammonia	mg/L	00610				2000
Q	Oil & Grease, total recoverable	mg/L	00556				60
Q	Phenolics, total recoverable	ug/L	34043				43000
Q	Solids, total dissolved	mg/L	70295				17000
Q	Phosphorus, total	mg/L	00650				22
Q	Solids, total suspended	mg/L	00150				42

All analytical procedures must be performed in accordance with the methods contained in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods," SW-846, 3rd Edition, September 1986 or equivalent methods approved by the Agency. Proper sample chain of custody control and quality assurance/quality control procedures must be maintained in accordance with the facility sampling and analysis plan.

*Only Keypunch with Data in Column 35 or Columns 38-47

IL 532 3213
LPC 160 1790 (CONT)

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

RECORD CODE: L P C S M 0 1 (7)

TRANS CODE: A (8)

REPORT DUE DATE 1/15/00 (36MDY41)

FEDERAL ID NUMBER

SITE INVENTORY NUMBER 2018080001 (9–18)

MONITOR POINT NUMBER L314 (19–22) (see Instructions)

REGION N CO. Winnebago

DATE COLLECTED 11/03/99 (23MDY28)

FACILITY NAME PAGEL LANDFILL NORTH UNIT GROUNDWATER

FOR IEPA USE ONLY
LAB (29)
DATE RECEIVED / / (42MDY47)

BACKGROUND SAMPLE (X) (54)

TIME COLLECTED 9:30 (24 Hr. Clock) (55HM58)

UNABLE TO COLLECT SAMPLE (59)

MONITOR POINT SAMPLED BY F (60)

OTHER (SPECIFY)

SAMPLE FIELD FILTERED-INORGANICS (X) (61)

ORGANICS (X)

SAMPLE APPEARANCE Str.Lch Gray Slight (63–102)

COLLECTOR COMMENTS (103–142)

LAB COMMENTS (150–199)

RECORD CODE L P C S M 0 2 TRANS CODE A (COLUMNS 9-29 FNM ABOVE)

	FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER (30–34)	Remarks (35)	Replicate (36)	< OR > (37)	VALUE (38–47)
Q	TEMP OF WATER (unfiltered F)	00011				57.200
Q	SPEC COND (unfiltered umhos)	00094				25961.000
Q	pH (unfiltered units)	00400				8.770
Q	ELEV OF GW SURF (ft ref MSL)	71993				NA
Q	DEPTH OF WATER (ft below LS)	72019				56.76
A	BTM WELL ELEV (ft ref MSL)	72020				NA
Q	DEPTH TO WATER FR MEA PT (ft)	72109				NA

IL 532 3213
LPC 160 01/90

This agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1004 and 1021. Disclosure of this information is required. Failure to do so so may result in a civil penalty up to $25,000 for each day the failure continues a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

*Only Keypunch with Data in Columns 35 or Columns 38-47

RECORD CODE | L | P | C | S | M | | 2 |
1 7

TRANS CODE | A |

SITE INVENTORY NUMBER 2018080001
9 18

MONITOR POINT NUMBER L314
19 22

CO. Winnebago

DATE COLLECTED 11/3/99
23MDY28

PAGEL NORTH UNIT LEACHATE - QTRLY
FACILITY NAME

LAB _____
29

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE		STORET NUMBER	Remarks	Replicate	< OR >	VALUE
Q	Silver	ug/L	01077 (30 34)	(35)	(36)	< (37)	5.0 (38 47)
Q	Arsenic	ug/L	01002				25
Q	Barium	ug/L	01007				440
Q	Cadmium	ug/L	01027				6.8
Q	Chromium	ug/L	01034				310
Q	Copper	ug/L	01042				78
Q	Iron	ug/L	74010				13000
Q	Mercury	ug/L	71900			<	0.40
Q	Manganese	ug/L	01055				170
Q	Nickel	ug/L	01067				550
Q	Lead	ug/L	01051				86
Q	Zinc	ug/L	01092				620
Q	BOD	mg/L	00310				153.0
Q	Cyanide, total	mg/L	00720			<	0.020
Q	COD	mg/L	00340				3500
Q	COLIFORM	CFU/100	74055				25000
Q	Chromium, Hexavalent	ug/L	01032			<	500
Q	Fluoride	mg/L	00951				0.49
Q	Nitrogen, ammonia	mg/L	00610				1600
Q	Oil & Grease, total recoverable	mg/L	00556				51
Q	Phenolics, total recoverable	ug/L	34043				640
Q	Solids, total dissolved	mg/L	70295				9000
Q	Phosphorus, total	mg/L	00650				9.6
Q	Solids, total suspended	mg/L	00150				72

All analytical procedures must be performed in accordance with the methods contained in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods," SW-846, 3rd Edition, September 1986 or equivalent methods approved by the Agency. Proper sample chain of custody control and quality assurance/quality control procedures must be maintained in accordance with the facility sampling and analysis plan.

*Only Keypunch with Data in Column 35 or Columns 38-47

IL 532 3213
LPC 160 1790 (CONT)

CHEMICAL ANALYSIS FORMS

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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE - QTRLY

Client : WINNEBAGO RECLAMATION SERVI

Project Number : 2018080001

Report Date : 12/06/99

WI DNR LAB ID : 113172950

Lab Sample No.	Field ID	Collection Date	Lab Sample No.	Field ID	Collection Date
995291-001	L313	11/03/99			
995291-002	L314	11/03/99			
995291-003	L316	11/03/99			

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample narrative. Release of this final report is authorized by Laboratory management, as is verified by the following signature.

Betsy Wallfield

Approval Signature

12/6/99

Date

Madison Office & Laboratory
525 Science Drive
Madison, WI 53711
608-232-3300 • Fax: 608-233-0502
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Corporate Office & Laboratory
1795 Industrial Drive
Green Bay, WI 54302
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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE - QTRLY
Project Number : 2018080001
Field ID : L313
Lab Sample Number : 995291-001
Lab Project Number : 995291

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 12/6/99
Collection Date : 11/3/99
Matrix Type : LEACHATE
WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Arsenic	770	3.0	ug/L		12/1/99	SW846 3015	SW846 6020
Barium	550	25	ug/L		11/23/99	SW846 3015	SW846 6010B
Cadmium	< 0.30	0.30	ug/L	A(-0.31)	12/1/99	SW846 3015	SW846 6020
Chromium	470	15	ug/L		11/23/99	SW846 3015	SW846 6010B
Copper	48	25	ug/L		11/23/99	SW846 3015	SW846 6010B
Iron	4400	500	ug/L		11/23/99	SW846 3015	SW846 6010B
Lead	12	3.0	ug/L		12/1/99	SW846 3015	SW846 6020
Manganese	110	2.0	ug/L		11/23/99	SW846 3015	SW846 6010B
Mercury	1.6	0.40	ug/L		11/12/99	SW846 7470A	SW846 7470A
Nickel	450	25	ug/L		11/23/99	SW846 3015	SW846 6010B
Silver	< 5.0	5.0	ug/L		11/23/99	SW846 3015	SW846 6010B
Zinc	240	22	ug/L		11/23/99	SW846 3015	SW846 6010B
BOD	4260	2.000	mg/L	SUB	11/4/99	SM 5210	SM 5210
Chromium, Hexavalent	< 500	500	ug/L	ED	11/3/99	SW846 7196A	SW846 7196A
COD	14000	5000	mg/L		11/11/99	EPA 410.4	EPA 410.4
COLIFORM	< 10	10	CFU/100	SUB	11/4/99	SM 9222D	SM 9222D
Cyanide, total	< 0.020	0.020	mg/L		11/16/99	SW846 9012A	SW846 9012A
Fluoride	0.59	0.050	mg/L		11/11/99	SM 4500F-C	SM 4500F-C
Nitrogen, ammonia	2000	50	mg/L		11/23/99	EPA 350.1	EPA 350.1
Oil & Grease, total recoverable	60	4.9	mg/L		11/8/99	EPA 413.1	EPA 413.1
Phenolics, total recoverable	43000	5000	ug/L		11/29/99	EPA 420.2	EPA 420.2
Phosphorus, total	22	2.5	mg/L		11/15/99	EPA 365.4	EPA 365.1
Solids, total dissolved	17000	20	mg/L		11/4/99	EPA 160.1	EPA 160.1
Solids, total suspended	42	10	mg/L		11/10/99	EPA 160.2	EPA 160.2

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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE - QTRLY
Project Number : 2018080001
Field ID : L314
Lab Sample Number : 995291-002
Lab Project Number : 995291

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 12/6/99
Collection Date : 11/3/99
Matrix Type : LEACHATE
WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Arsenic	25	3.0	ug/L		12/1/99	SW846 3015	SW846 6020
Barium	440	25	ug/L		11/23/99	SW846 3015	SW846 6010B
Cadmium	6.8	0.30	ug/L		12/1/99	SW846 3015	SW846 6020
Chromium	310	15	ug/L		11/23/99	SW846 3015	SW846 6010B
Copper	78	25	ug/L		11/23/99	SW846 3015	SW846 6010B
Iron	13000	500	ug/L		11/23/99	SW846 3015	SW846 6010B
Lead	86	3.0	ug/L		12/1/99	SW846 3015	SW846 6020
Manganese	170	2.0	ug/L		11/23/99	SW846 3015	SW846 6010B
Mercury	< 0.40	0.40	ug/L		11/12/99	SW846 7470A	SW846 7470A
Nickel	550	25	ug/L		11/23/99	SW846 3015	SW846 6010B
Silver	< 5.0	5.0	ug/L		11/23/99	SW846 3015	SW846 6010B
Zinc	620	22	ug/L		11/23/99	SW846 3015	SW846 6010B
BOD	153.0	2.000	mg/L	SUB	11/4/99	SM 5210	SM 5210
Chromium, Hexavalent	< 500	500	ug/L	ED	11/3/99	SW846 7196A	SW846 7196A
COD	3500	500	mg/L		11/11/99	EPA 410.4	EPA 410.4
COLIFORM	25000	10	CFU/100	SUB,Y	11/4/99	SM 9222D	SM 9222D
Cyanide, total	< 0.020	0.020	mg/L		11/16/99	SW846 9012A	SW846 9012A
Fluoride	0.49	0.050	mg/L		11/11/99	SM 4500F-C	SM 4500F-C
Nitrogen, ammonia	1600	50	mg/L		11/23/99	EPA 350.1	EPA 350.1
Oil & Grease, total recoverable	51	5.3	mg/L		11/8/99	EPA 413.1	EPA 413.1
Phenolics, total recoverable	640	50	ug/L		12/2/99	EPA 420.2	EPA 420.2
Phosphorus, total	9.6	0.50	mg/L		11/15/99	EPA 365.4	EPA 365.1
Solids, total dissolved	9000	20	mg/L		11/4/99	EPA 160.1	EPA 160.1
Solids, total suspended	72	10	mg/L		11/10/99	EPA 160.2	EPA 160.2

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- Analytical Report -

Project Name : PAGEL NORTH UNIT LEACHATE - QTRLY
Project Number : 2018080001
Field ID : L316
Lab Sample Number : 995291-003
Lab Project Number : 995291

Submitter : WINNEBAGO RECLAMATION SERVI
Report Date : 12/6/99
Collection Date : 11/3/99
Matrix Type : LEACHATE
WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Arsenic	14	3.0	ug/L		12/1/99	SW846 3015	SW846 6020
Barium	280	25	ug/L		11/23/99	SW846 3015	SW846 6010B
Cadmium	5.3	0.30	ug/L	A(-0.31)	12/1/99	SW846 3015	SW846 6020
Chromium	54	15	ug/L		11/23/99	SW846 3015	SW846 6010B
Copper	< 25	25	ug/L		11/23/99	SW846 3015	SW846 6010B
Iron	87000	500	ug/L		11/23/99	SW846 3015	SW846 6010B
Lead	42	3.0	ug/L		12/1/99	SW846 3015	SW846 6020
Manganese	2400	2.0	ug/L		11/23/99	SW846 3015	SW846 6010B
Mercury	< 0.20	0.20	ug/L		11/12/99	SW846 7470A	SW846 7470A
Nickel	420	25	ug/L		11/23/99	SW846 3015	SW846 6010B
Silver	< 5.0	5.0	ug/L		11/23/99	SW846 3015	SW846 6010B
Zinc	1900	22	ug/L		11/23/99	SW846 3015	SW846 6010B
BOD	39400	2.000	mg/L	SUB	11/4/99	SM 5210	SM 5210
Chromium, Hexavalent	< 500	500	ug/L	ED	11/3/99	SW846 7196A	SW846 7196A
COD	6900	5000	mg/L		11/11/99	EPA 410.4	EPA 410.4
COLIFORM	130000	10	CFU/100	SUB	11/4/99	SM 9222D	SM 9222D
Cyanide, total	< 0.020	0.020	mg/L		11/16/99	SW846 9012A	SW846 9012A
Fluoride	0.21	0.050	mg/L		11/11/99	SM 4500F-C	SM 4500F-C
Nitrogen, ammonia	940	25	mg/L		11/23/99	EPA 350.1	EPA 350.1
Oil & Grease, total recoverable	210	5.0	mg/L		11/8/99	EPA 413.1	EPA 413.1
Phenolics, total recoverable	1600	200	ug/L		11/29/99	EPA 420.2	EPA 420.2
Phosphorus, total	2.9	0.50	mg/L		11/15/99	EPA 365.4	EPA 365.1
Solids, total dissolved	10000	20	mg/L		11/4/99	EPA 160.1	EPA 160.1
Solids, total suspended	290	14	mg/L		11/10/99	EPA 160.2	EPA 160.2

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Inorganic Data Qualifier Sheet

A	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory LOD. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
AI	Due to the matrix of this sample the alternate isotope was used for analysis.
B	Analyte is detected in the method blank at "x" concentration. Method blank criteria is evaluated to the laboratory LOD. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
BB	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
BD	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
BI	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
BL	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
BX	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
DA	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
DF	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria. (See Sample Narrative).
E	Estimated concentration due to matrix interferences. During the metals analysis using the inductively coupled plasma (ICP), the serial dilution failed to meet the established control limits of 0-10% and the sample concentrations greater than 50 times the EQL. The result was flagged with the E qualifier to indicate that a physical interference was observed.
ED	Elevated detection limit due to matrix effects.
G	Unable to determine precision due to matrix interference.
H(n)	Analysis performed "n" days past holding time (See Sample Narrative).
K	Sample received unpreserved. Sample was either preserved at the time of receipt or at the time of sample preparation.
LV	Elevated detection limit due to low sample volume.
MS	Either the matrix spike or matrix spike duplicate was outside of the acceptable control limits. All other supporting QC was within the acceptable control limits.
N	Spiked sample recovery not within control limits; post-digestion spike recovery accepted.

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NP	Digested and post-digested spike recoveries fail accuracy control limits.
NR	Not required.
Q	The analyte has been detected between the Limit of Detection (LOD) and Limit of Quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
Sub	Assay was subcontracted to an approved lab.
UN	Unable to preserve sample due to matrix.
X	See sample narrative.
*	Duplicate analyses not within control limits.

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Data Qualifiers Reference List

A	Sample analyzed with a dilution. Surrogates were diluted outside the calibration range. *(Applies to all analytes for this method.)*
B	Analyte detected in associated Method Blank.
C	Sample result confirmed by alternate technique.
C'	Result corrected using post-digestion spike data.
D	Results reported from higher dilution.
E	Estimated concentration, value exceeded calibration range.
F	Unable to analyze due to sample matrix interference. *(Applies to all analytes for this method.)*
G	Insufficient sample for analysis. *(Applies to all analytes for this method.)*
H	Sample was received past the established holding time. *(Applies to all analytes for this method.)*
I	Sample was analyzed past the established holding time. *(Applies to all analytes for this method.)*
J	Estimated concentration.
K	Sample contained lighter hydrocarbon fractions.
L	Sample contained heavier hydrocarbon fractions.
M	Matrix Spike and/or Matrix Spike Duplicate recovery outside acceptance limits.
N	Presumptive evidence of analyte present.
O	Hydrocarbons atypical of gasoline.
P	Hydrocarbons atypical of diesel #2 fuel.
Q	Laboratory Control Sample outside acceptance limits.
Q'	QC Sample recovery above acceptance limit but analyte not detected in associated samples.
R	The data are unusable. Analyte may or may not be present.
S	Surrogate outside acceptance limits.
T	Sample received exceeding proper preservation criteria. *(Applies to all analytes for this method.)*
U	Analyte was analyzed for but not detected. Associated value is Detection, Quantitation, or Reporting Limit.
V	Raised Quantitation or Reporting Limit due to matrix/background interference. *(Applies to all analytes for this method.)*
V'	Raised Quantitation or Reporting Limit due to dilution for matrix/background interference. *(Applies to all analytes for this method.)*
W	Raised Quantitation or Reporting Limit due to limited sample volume. *(Applies to all analytes for this method.)*
X	Reserved.
Y	Replicate/Duplicate precision outside acceptance limits.
Z	Calibration above acceptance criteria but analyte not detected in associated samples.
Z'	Calibration criteria exceeded but calibration acceptable by average response for all analytes.
Z#	Calibration criteria exceeded.
1	Safe, No Total Coliform detected.
2	Unsafe, Total Coliform detected, no E. coli detected.
3	Unsafe, Total Coliform detected, E. coli detected.
4	Sample weight was below program minimum.
5	Insufficient oxygen depletion.
6	Complete oxygen depletion.
7	Sliding BOD, toxicity present in sample.

All samples were received intact and properly preserved unless otherwise noted.
The results reported relate only to the samples tested.
This report shall not be reproduced except in full, without written approval of this laboratory.

Company Name: Winnebago Rec *
Branch or Location: Rockford
Project Contact: Tom Hilbert *
Telephone: 2018080001 S
Project Number: 815 874-4806 R
Project Name: Pagel North Unit Lch
Project State: IL
Sampled By (Print):

Regulatory Program (circle): UST RCRA CLP SDWA NPDES/WPDES CAA NR_____ Other

NR720 Confirmation Analysis Required? (circle): Y N
(En Chem will not confirm unless otherwise instructed.)

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CHAIN OF CUSTODY

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Page 1 of 1
P.O. # _____ Quote # _____
Mail Report To: Same as *
Company: Same as *
Address: 8403 Lindenwood, Rockford, IL 61109
Invoice To: Same as rpt.
Company:
Address:
Mail Invoice To:

FILTERED? (YES/NO): N N N N N N N N
PRESERVATION (CODE)*: D D A G A C C H O

ANALYSES REQUESTED: As (7060), Cd (7131), Hg (7470), Ba (7080), Ag (7761), Se (7742), Mn, Ni, Zn, Cr+6 (7196), Cl (9012A), F (300.0), TDS (160.1), O&G (413.1), Phenolics (420.1), COD (410.4), Alk (310.1), Sulfate (375.4), BOD (405.1), PPD (3mg/L), Fecal Coliform

FIELD ID	SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	As	Cd	Hg	Ba	Ag	Se	Mn	Ni	Zn	Cr+6	Cl	F	TDS	O&G	Phenolics	COD	Alk	Sulfate	BOD	PPD	Fecal Coliform	FIELD SCREEN	MATRIX	GOOD COND.	TOTAL BOTTLES	COMMENTS	LABORATORY NUMBER
L313		11/3/99	1000	X	X	X	X	X	X	X	X																	8	*	995291-001
L314		11/3/99	930	X	X	X	X	X	X	X	X																	8	*	-002
L315	— DRY — NO SAMPLES — DRY																													—
L316		11/3/99	900	X	X	X	X	X	X	X	X																	8	*	-003

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol**
G=NaOH O=Other (Indicate)

**If not using En Chem's methanol, indicate volume of methanol added and mark the appropriate samples.

Relinquished By	Date/Time	Received By	Date/Time
[signature]	11-3 1200	[signature]	11-3-99 1310
[signature]	11-3-99 1510	[signature]	11/3/99 1510

En Chem Project No.:
Sample Receipt Temp.: 9°C BOI
Sample Receipt pH (Wet/Metals): *all pH ok
Custody Seal: 1/1

APPENDIX E
Gas Monitoring Results

Appendix E.1 Ambient Air Monitoring Results
Appendix E.2 Gas Migration Monitoring Results

APPENDIX E.1

Ambient Air Monitoring Results

AMBIENT AIR MONITORING FOR PAGEL LANDFILL

	29-Jan-99	FEBRUARY	MARCH	30-Apr-99	26-May-99	29-Jun-99	29-Jul-99	31-Aug-99	16-Sep-99	28-Oct-99	24-Nov-99	28-Dec-99
Sampling Point	GP7			GP12	GP11	GP12	GP2	GP12	GP9	GP8	GP7	GP10
Wind Speed	1.8			3.2	3.1	4.8	0.4	3.8	0.6	3.2	1.6	4.4
Wind Direction	WSW			NNE	NW	N	SSE	NNW	NNW	W	W	N
% Oxygen	19.2			20.1	20.1	21.1	20.1	20.1	20.6	20.2	20.2	20
% Methane	0			0	0	0	0	0	0	0	0	0
Sampling Point	GP8			GP1	GP12	GP15	GP3	GP11	GP10	GP9	GP8	GP11
Wind Speed	1.5			1.6	2.4	4.7	0.5	4	0.2	2.8	1.1	4.7
Wind Direction	W			NNE	NW	N	SSE	NNW	NNW	W	W	N
% Oxygen	19			20.1	20	21	20.1	20.2	20.6	20.2	20.2	20.1
% Methane	0			0	0	0	0	0	0	0	0	0
Sampling Point	GP9			GP15	G16S	G16S	GP4	GP10	GP12	GP10	GP9	GP12
Wind Speed	1.9			1.1	2.8	4.9	0.9	2.2	3	1.4	1.8	3.8
Wind Direction	W			NNE	NW	N	SSE	NNW	NNW	W	W	N
% Oxygen	19.2			20	20.2	21.1	20.2	20.2	20.5	20.3	20.4	20
% Methane	0			0	0	0	0	0	0	0	0	0

APPENDIX E.2

Gas Migration Monitoring Results

Gas Migration Monitoring for Pagel Landfill

		29-Jan-99	2-Feb-99	30-Mar-99	29-Apr-99	26-May-99	29-Jun-99	29-Jul-99
GP1	**7-12 --white**							
	% LEL	0	0	+1000	0	+1000	+1000	+1000
	% methane	0	0	70.2	0	70.4	63.4	73.3
	% CO2	0.1	0	29.3	0.4	28.7	26	26.5
	% O2	18.7	20.8	0.5	19.8	0.4	1.5	0
	Balance Gases	81.1	79.3	0	79.7	0.1	8.2	0
	Static Press.(in.)	0	0	+.4	0	+.1	0	+.1
	15-20 --black							
	% LEL	90	0	+1000	+1000	+1000	+1000	+1000
	% methane	4.5	0	70	67.8	70.4	71.6	71.6
	% CO2	2.4	0	29.5	28.6	29.5	28.3	28.2
	% O2	17.7	20.7	0.4	0.3	0.4	0.1	0.2
	Balance Gases	75	79.3	0	3.5	0	0	0
	Static Press.(in.)	0	0	+.3	0	+.1	0	0
GP2	**6-11 --white**							
	% LEL	+1000	1000	+1000	+1000	+1000	+1000	+1000
	% methane	63.1	65.2	67.6	66.2	71.1	68.6	69.9
	% CO2	33.3	32.4	31.8	29.8	28.6	30.2	30.1
	% O2	0.5	0.4	0.2	0.1	0.2	0.3	0
	Balance Gases	1.9	1.2	1.1	4.9	0.1	0.6	0
	Static Press.(in.)	0	0	+.4	0	0	0	0
	19-24 --black							
	% LEL	+1000	+1000	+1000	+1000	+1000	+100	+1000
	% methane	67.6	68.8	68.2	65.8	64.7	63.6	61.8
	% CO2	29.8	29.1	30.3	30.9	35.2	36	38.2
	% O2	0	0	0.2	0	0.1	0.2	0
	Balance Gases	2.6	2.1	1.5	3.3	0	0	0
	Static Press.(in.)	0	0	+.2	0	0	0	0
GP3	**10-15 --white**							
	% LEL	+1000	+1000	+1000	+1000	+1000	154	+1000
	% methane	64.4	65	63.6	65.2	64.6	7.7	66.5
	% CO2	34.4	35	36.3	34.5	35.4	5.5	33.5
	% O2	0	0	0.1	0.3	0	18.2	0
	Balance Gases	1.2	0	0	0	0	68.7	0
	Static Press.(in.)	+.2	0	+.2	0	+.1	0	0
	25-30 --black							
	% LEL	+1000	+1000	+1000	+1000	+1000	+1000	+1000
	% methane	64.1	63.9	64.3	64.8	52.8	66.3	65
	% CO2	34.4	35	35.7	35.1	36.3	33.6	35
	% O2	0	0	0.1	0.1	0	0.1	0
	Balance Gases	1.5	0.8	0.3	0	10.8	0	0
	Static Press.(in.)	0	0	+.3	0	+.2	+.2	+.1

Gas Migration Monitoring for Pagel Landfill

		31-Aug-99	16-Sep-99	28-Oct-99	24-Nov-99	28-Dec-99
GP1	**7-12 --white**					
	% LEL	+1000	+1000	+1000	+1000	+1000
	% methane	72.2	74.4	60.9	69.7	72.8
	% CO2	29.4	26.5	24.4	28	27.2
	% O2	0.3	0.1	3.2	0	0
	Balance Gases	0	0	11.4	2.3	0
	Static Press.(in.)	0	0	+.1	0	0
	15-20 --black					
	% LEL	+1000	+1000	+1000	+1000	+1000
	% methane	71.8	72.7	54.4	72.9	73
	% CO2	27.6	27.3	22.1	27	27
	% O2	0	0	4.8	0	0
	Balance Gases	0.4	0	19.2	0	0
	Static Press.(in.)	0	0	0	0	0
GP2	**6-11 --white**					
	% LEL	+1000	+1000	+1000	+1000	+1000
	% methane	70.2	71.9	68.8	69.4	68.6
	% CO2	29.4	28.1	30.9	30.6	31.4
	% O2	0	0	0.3	0	0
	Balance Gases	0.1	0	0.4	0	0
	Static Press.(in.)	0	0	+.2	0	+.1
	19-24 --black					
	% LEL	+1000	+1000	+1000	+1000	+1000
	% methane	61.9	63.2	68.4	69	69.2
	% CO2	38.1	36.8	31.8	31	29.3
	% O2	0	0	0	0	0
	Balance Gases	0	0	0	0	1.5
	Static Press.(in.)	0	0	+.2	+.1	+.1
GP3	**10-15 --white**					
	% LEL	+1000	+1000	+1000	+1000	+1000
	% methane	65.1	65.8	66.5	67.5	66
	% CO2	34.9	34.2	33.5	32.5	33
	% O2	0	0	0	0	0
	Balance Gases	0	0	0	0	1
	Static Press.(in.)	+.1	0	+.3	+.1	+.1
	25-30 --black					
	% LEL	+1000	+1000	+1000	+1000	+1000
	% methane	65.1	66.5	67.9	67.4	67.7
	% CO2	34.9	33.5	32.1	32.6	32.3
	% O2	0	0	0	0	0
	Balance Gases	0	0	0	0	0
	Static Press.(in.)	0	0	+.4	+.2	+.2

Gas Migration Monitoring for Pagel Landfill

		29-Jan-99	2-Feb-99	30-Mar-99	29-Apr-99	26-May-99	29-Jun-99	29-Jul-99
GP4	**10.5-15.5 --white**							
	% LEL	+1000	+1000	+1000	+1000	+1000	+1000	+1000
	% methane	63.4	64.6	66.4	66.8	67	66.8	68.1
	% CO2	34.7	34.5	2.1	33.1	33	33	31.9
	% O2	0	0	0.1	0.1	0	0.2	0
	Balance Gases	1.9	0	31.2	0	0	0	0
	Static Press.(in.)	+.1	0	+.2	0	+.2	0	+.1
	21.5-26.5 --black							
	% LEL	+1000	+1000	+1000	+1000	+1000	+1000	+1000
	% methane	70.9	74.5	75.3	75.7	73.7	74.6	76.8
	% CO2	19.5	17.2	15.7	17.8	17.8	18	17.5
	% O2	0.1	0.1	0	0.6	0.4	0.6	0.1
	Balance Gases	9.9	8.2	9	6.4	7.5	6.4	6.4
	Static Press.(in.)	0	0	+.4	0	0	0	0
GP5	**6.5-16.5 --white**							
	% LEL	+1000	+1000	+1000	+1000	+1000	+1000	+1000
	% methane	64.2	59.6	52.4	61	63.6	58.1	69.5
	% CO2	31.7	29.8	30.3	29.6	29	25.8	29.3
	% O2	0	0	0.1	0	0	.3	0.3
	Balance Gases	3.8	11.5	16.4	9.4	5.3	12.9	0
	Static Press.(in.)	0	0	0	+.2	+.2	0	+.1
	20.5-30.5 --yellow							
	% LEL	702	822	716	810	+1000	+1000	+1000
	% methane	35.1	41.1	35.8	40.5	52.2	58.7	65.3
	% CO2	21.3	23.9	24.3	21.9	23.7	25.8	27.9
	% O2	1.9	0	0.1	1.2	0	2	0.4
	Balance Gases	42.7	33.4	39.9	36.4	24.5	13.2	6.2
	Static Press.(in.)	0	0	0	+.2	+.1	0	+.1
	34.5-44.5 --black							
	% LEL	+1000	+1000	+1000	+1000	+1000	+1000	+1000
	% methane	67.7	66.2	61.8	68.5	68.6	71.8	71.1
	% CO2	30.6	30.7	31.3	29.8	30.4	28.2	28.9
	% O2	0	0	0	0	0	0	0
	Balance Gases	2.2	2.9	6.7	1.9	1	0	0
	Static Press.(in.)	0	0	0	+.2	+.2	0	0
GP6	**12-17 --white**							
	% LEL	656	0	6	570	614	788	910
	% methane	32.8	0	0.3	28.5	30.7	39.4	45.5
	% CO2	19.6	0.1	0.3	17.8	17.7	17.2	18.4
	% O2	0	20.2	19.8	0.7	0.7	0.8	0.2
	Balance Gases	47.5	79.7	79.4	52.6	47.4	41.4	35.9
	Static Press.(in.)	0	-.1	0	0	0	0	0
	24-29 --black							
	% LEL	984	806	738	806	804	978	+1000
	% methane	49.2	40.3	36.9	40.3	40.2	48.9	54.7
	% CO2	21.5	21.4	21	20.7	20.2	20.3	20.3
	% O2	0	0	0.2	0.2	0	0.3	0
	Balance Gases	29.8	38.4	41.7	39.8	39.5	30.9	25.4
	Static Press.(in.)	0	0	0	0	0	0	0

Gas Migration Monitoring for Pagel Landfill

		31-Aug-99	16-Sep-99	28-Oct-99	24-Nov-99	28-Dec-99
GP4	**10.5-15.5 --white**					
	% LEL	+1000	+1000	+1000	+1000	+1000
	% methane	68	68.9	70.2	70.1	69.4
	% CO2	32	31.1	29.8	29.8	30
	% O2	0	0	0	0.1	0.6
	Balance Gases	0	0	0	0	0
	Static Press.(in.)	0	0	+.3	+.2	0
	21.5-26.5 --black					
	% LEL	+1000	+1000	+1000	+1000	+1000
	% methane	75.7	75.8	75.8	76.5	74.6
	% CO2	18.2	19	18.6	18.7	17.1
	% O2	0	0.2	0	0.3	0.4
	Balance Gases	5.1	4.8	5.9	4.6	7
	Static Press.(in.)	0	0	0	0	-.2
GP5	**6.5-16.5 --white**					
	% LEL	+1000	+1000	+1000	+1000	+1000
	% methane	70.2	70.8	71.5	68.4	70.1
	% CO2	29.7	29.1	28.5	27.8	27.6
	% O2	0	0	0	0	0
	Balance Gases	0.9	0.1	0	3.5	4.4
	Static Press.(in.)	0	0	0	0	0
	20.5-30.5 --yellow					
	% LEL	+1000	+1000	+1000	+1000	+1000
	% methane	58.7	57.6	61.7	51.7	54.9
	% CO2	23.8	23.1	23.4	22.4	23.2
	% O2	0	0	0	0	0.2
	Balance Gases	17.1	19.3	15.3	25.3	22
	Static Press.(in.)	0	0	0	0	0
	34.5-44.5 --black					
	% LEL	218	+1000	228	114	8
	% methane	10.9	73.5	11.4	5.7	0.4
	% CO2	12	26.5	4.4	2.9	0.6
	% O2	6.5	0	16.5	18	19.7
	Balance Gases	71.2	0	67.5	73.3	79.3
	Static Press.(in.)	0	0	0	0	0
GP6	**12-17 --white**					
	% LEL	840	858	202	838	888
	% methane	42	42.9	10.1	41.9	44.4
	% CO2	17.4	18.4	4.1	20.1	20.2
	% O2	0.2	0.2	15.8	0.1	0.4
	Balance Gases	39.4	40	69.4	37.8	35
	Static Press.(in.)	0	0	+.1	0	0
	24-29 --black					
	% LEL	+1000	+1000	350	+1000	+1000
	% methane	52.5	54.1	17.5	55.3	53.6
	% CO2	19.6	20.8	6.6	23	22.4
	% O2	0.1	0	14.4	0	0.7
	Balance Gases	28.2	25.1	60.9	21.3	23.1
	Static Press.(in.)	0	0	+.1	0	0

Gas Migration Monitoring for Pagel Landfill

		29-Jan-99	2-Feb-99	30-Mar-99	29-Apr-99	26-May-99	29-Jun-99	29-Jul-99
GP7	**11-16 --white**							
	% LEL	+1000	+1000	+1000	+1000	+1000	+1000	+1000
	% methane	65.5	59.9	57.3	64.1	67.2	68.8	66.1
	% CO2	28.9	26.4	27.7	27.4	29.2	27.9	25.4
	% O2	0	0	0.4	0	0	0	0
	Balance Gases	4.9	13.7	14.6	8.6	3.4	4	8.2
	Static Press.(in.)	+.1	0	0	0	0	0	0
	22-27 --yellow							
	% LEL	872	702	4884	844	+1000	+1000	838
	% methane	43.6	35.1	29.2	42.2	55.7	58.7	41.9
	% CO2	24.9	23.2	21.3	22.3	23.2	23.9	22.5
	% O2	0	0	0.5	0	0	0	0
	Balance Gases	31.4	41	48.3	35.8	21	17.3	35.1
	Static Press.(in.)	0	0	0	0	0	0	0
	34.5-39.5 --black							
	% LEL	+1000	+1000	+1000	+1000	+1000	+1000	+1000
	% methane	68.6	66.4	65.9	70.1	69	70.3	71.4
	% CO2	28.4	28.5	30.3	29.2	28.8	28.5	28.2
	% O2	0	0	0.1	0	0	0	0
	Balance Gases	3.1	5.4	3.2	1.4	1.2	1	0
	Static Press.(in.)	0	0	0	0	0	0	0
GP8	**9-14 --white**							
	% LEL	+1000	+1000	+1000	+1000	+1000	+1000	+1000
	% methane	65.9	65.3	65.2	68.1	67.2	67.2	68.7
	% CO2	32.6	32.1	33.5	31.9	32.3	32	30.9
	% O2	0	0	0	0	0	0	0
	Balance Gases	1.1	2.6	1.5	0.7	0	1.1	0.8
	Static Press.(in.)	+.1	0	0	0	0	0	0
	20.5-25.5 --yellow							
	% LEL	960	886	952	848	+1000	+1000	10
	% methane	48	44.3	47.6	42.4	52	53.3	0.5
	% CO2	28.9	27.9	30.3	26.9	29	27.9	0.6
	% O2	0.2	0.1	0.2	0.3	0.2	0.1	20.1
	Balance Gases	23.4	28.2	21.6	30.7	18.5	18.9	78.8
	Static Press.(in.)	0	0	0	0	0	0	0
	29.5-39.5 --black							
	% LEL	+1000	+1000	+1000	+1000	+1000	+1000	+1000
	% methane	65.9	65.1	64.7	67.1	66.2	66.8	69.2
	% CO2	32.4	31.7	33.6	32.6	32.4	32.5	30.2
	% O2	0	0	0.1	0	0	0	0.6
	Balance Gases	1.9	3.4	1.3	0.3	0.4	0.5	0
	Static Press.(in.)	+.1	0	0	0	0	0	+.1

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		31-Aug-99	16-Sep-99	28-Oct-99	24-Nov-99	28-Dec-99
GP7	**11-16 --white**					
	% LEL	+1000	+1000	+1000	+1000	+1000
	% methane	62.2	61	63.6	56.8	66.3
	% CO2	25.4	24.3	25	24.1	26.5
	% O2	0.1	0	0.1	0	0.3
	Balance Gases	13.1	14.7	11.4	18.7	6
	Static Press.(in.)	0	0	0	+.2	+.1
	22-27 --yellow					
	% LEL	500	362	648	0	556
	% methane	25	18.1	32.4	0	27.8
	% CO2	17.9	10.2	22.3	0.3	21.7
	% O2	3.3	12.1	0.1	19.9	0
	Balance Gases	52.6	58.7	44.6	79.5	50.6
	Static Press.(in.)	0	0	0	0	0
	34.5-39.5 --black					
	% LEL	+1000	+1000	+1000	+1000	+1000
	% methane	69.2	70.4	71.5	70.5	70.7
	% CO2	28.3	27.2	28.5	27.7	28.8
	% O2	0	0	0	0	0
	Balance Gases	2.5	0.4	0	2.3	0.8
	Static Press.(in.)	0	0	0	+.1	0
GP8	**9-14 --white**					
	% LEL	+1000	+1000	+1000	+1000	+1000
	% methane	67.9	71.5	68.8	68.4	68.6
	% CO2	32	28.5	31.2	31.6	31.4
	% O2	0	0	0	0	0
	Balance Gases	0.1	0	0	0	0
	Static Press.(in.)	0	0	0	0	0
	20.5-25.5 --yellow					
	% LEL	+1000	+1000	+1000	+1000	884
	% methane	54.8	54.7	52.3	51.4	44.2
	% CO2	29.6	28.7	29.1	28.9	27.9
	% O2	0.1	0	0.1	0.1	0.1
	Balance Gases	16.4	16.5	19.2	19	26.5
	Static Press.(in.)	0	0	0	0	0
	29.5-39.5 --black					
	% LEL	+1000	+1000	+1000	+1000	+1000
	% methane	67.1	69.9	69.8	68.5	68.1
	% CO2	32.9	30.1	30.2	31.5	30.8
	% O2	0	0	0	0	0
	Balance Gases	0	0	0	0	1.1
	Static Press.(in.)	0	0	0	0	0

Gas Migration Monitoring for Pagel Landfill

		29-Jan-99	2-Feb-99	30-Mar-99	29-Apr-99	26-May-99	29-Jun-99	29-Jul-99
GP9	**15-20 --white**							
	% LEL	+1000	+1000	+1000	+1000	+1000	+1000	+1000
	% methane	65.2	64.5	63.9	66.2	65.7	65.6	67
	% CO2	33.6	32.6	34.8	33.8	34.4	32.9	33
	% O2	0	0	0	0	0	0	0
	Balance Gases	1.2	2.9	1.8	0	0.5	1.7	0
	Static Press.(in.)	0	0	0	0	0	0	0
	33.8-38.8 --black							
	% LEL	700	2	744	826	18	6	892
	% methane	35	0.1	37.2	41.3	0.9	0.3	44.6
	% CO2	26.2	0.5	27.7	26.6	0.8	0.7	27.8
	% O2	0.8	20.2	0.6	0.7	19.4	20.5	0.6
	Balance Gases	37.1	79.2	34	31.7	78.9	78.2	26.8
	Static Press.(in.)	+.1	0	0	0	0	0	+.1
GP10	**8-13 --white**							
	% LEL	916	+1000	+1000	+1000	+1000	+1000	+1000
	% methane	45.8	56.6	55.7	52.7	57.1	59.7	55
	% CO2	27.8	29.5	31.5	28.4	29.7	29.7	29.1
	% O2	2.5	1.3	1.1	1.9	1.7	1.8	2.1
	Balance Gases	23.9	12.7	11.9	16.6	11.7	9.6	14.5
	Static Press.(in.)	0	0	0	0	0	0	+.1
	19-24 --yellow							
	% LEL	+1000	+1000	+1000	+1000	+1000	0	+1000
	% methane	51.3	64.5	63.6	61.8	64	0	64.2
	% CO2	32.8	35.5	36.4	32.6	35.1	0.4	35.6
	% O2	0	0	0.1	0.1	0	21	0
	Balance Gases	17.2	0	0	5.3	1.6	78.6	1.6
	Static Press.(in.)	+.2	0	0	0	0	0	+.1
	30-35 --black							
	% LEL	748	754	858	620	744	656	674
	% methane	37.4	37.7	42.9	31	37.2	32.8	33.7
	% CO2	27.5	29.8	30.8	27.5	28.2	25.5	27.3
	% O2	0	0	0.1	0	0	0.2	0
	Balance Gases	35.1	32.1	26.4	41.6	34.9	41.8	39.4
	Static Press.(in.)	0	0	0	0	0	0	0
GP11	**6.3-11.3 --white**							
	% LEL	+1000	+1000	+1000	+1000	+1000	+1000	+1000
	% methane	66.6	66.3	63.7	66.7	65.8	67.1	63
	% CO2	30.5	30.6	32.5	31.6	31.7	31.9	30.6
	% O2	0	0	0.1	0.1	0	0	0.1
	Balance Gases	3.8	3.8	3.2	1.4	2.9	1.3	6.5
	Static Press.(in.)	0	0	0	+.2	0	0	0
	20.7-15.7 --black							
	% LEL	+1000	+1000	+1000	+1000	+1000	+1000	+1000
	% methane	70.3	69.3	67.8	67.3	66	66.8	65.6
	% CO2	29.6	29.9	31.4	32.5	32.7	32.4	32.3
	% O2	0	0	0	0	0	0	0
	Balance Gases	0	0.1	0.6	0.2	1.1	0.6	1.1
	Static Press.(in.)	0	0	0	0	0	0	0

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		31-Aug-99	16-Sep-99	28-Oct-99	24-Nov-99	28-Dec-99
GP9	**15-20 --white**					
	% LEL	+1000	+1000	+1000	+1000	+1000
	% methane	66.7	64.5	67	67	67.3
	% CO2	33.3	33.2	33	33	32.7
	% O2	0	0	0	0	0
	Balance Gases	0	2.3	0	0	0
	Static Press.(in.)	0	0	0	+.1	0
	33.8-38.8 --black					
	% LEL	928	936	920	0	10
	% methane	46.4	46.8	46	0	0.5
	% CO2	27.7	28.1	26.9	0.8	1.2
	% O2	0.6	0.6	1.3	19.7	19.2
	Balance Gases	25.5	24.2	26.4	79.5	78.7
	Static Press.(in.)	0	0	0	0	0
GP10	**8-13 --white**					
	% LEL	+1000	+1000	+1000	+1000	+1000
	% methane	54.5	55.8	56.6	57.5	57.4
	% CO2	30	30.1	30.9	31.3	31.8
	% O2	1.9	0.9	1	1	1
	Balance Gases	14.9	13.9	12.3	10.4	9.5
	Static Press.(in.)	0	0	0	0	0
	19-24 --yellow					
	% LEL	+1000	+1000	+1000	+1000	+1000
	% methane	65.8	67.1	65.9	56.5	64.3
	% CO2	34.2	32.9	34.1	31.3	34.5
	% O2	0	0	0	0	0.1
	Balance Gases	0	0	0	12.4	2.3
	Static Press.(in.)	0	0	0	0	0
	30-35 --black					
	% LEL	544	484	750	880	866
	% methane	27.1	24.2	37.5	44	43.3
	% CO2	25.3	25.7	27.8	29.1	29.2
	% O2	0	0.2	0	0	0
	Balance Gases	48.1	49.7	31.9	26.1	27.9
	Static Press.(in.)	0	0	0	0	0
GP11	**6.3-11.3 --white**					
	% LEL	+1000	+1000	+1000	+1000	+1000
	% methane	58.6	56.2	61.7	60.6	66.2
	% CO2	32.8	30.1	30.9	30.4	32.3
	% O2	0	0	0	0	0
	Balance Gases	8.6	13.5	7.6	10	1.8
	Static Press.(in.)	0	0	0	0	0
	20.7-15.7 --black					
	% LEL	+1000	+1000	+1000	+1000	+1000
	% methane	63.2	63.4	69.1	65.9	69.3
	% CO2	31.6	30.4	30.5	31.2	29.8
	% O2	0	0	0	0	0
	Balance Gases	5	6.2	0.7	2.9	0.9
	Static Press.(in.)	0	0	0	0	0

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		29-Jan-99	2-Feb-99	30-Mar-99	29-Apr-99	26-May-99	29-Jun-99	29-Jul-99
GP12	**9-14 --white**							
	% LEL	+1000	+1000	+1000	+1000	+1000	+1000	+1000
	% methane	71.4	72.7	71.3	71.4	82.7	74.8	68.6
	% CO2	27.7	27.4	28.4	28.1	17.2	23.6	31.4
	% O2	0	0	0	0.5	0.1	0	0
	Balance Gases	1.7	0	0.5	0.2	0	1.6	0
	Static Press.(in.)	+.2	0	+.2	+.2	0	0	+.5
	22-27 --black							
	% LEL	976	+1000	+1000	+1000	+1000	+1000	+1000
	% methane	48.8	51	53.1	52.6	54.6	71.1	59.4
	% CO2	22	21.6	22.5	22.1	23.2	28.4	25.2
	% O2	5.5	5.6	1.9	4.9	4.4	0	2.9
	Balance Gases	24.3	21.5	20.2	19.8	17.1	0.5	12.1
	Static Press.(in.)	0	0	+.1	+.1	0	0	+.5
GP15	**2-7 --white**							
	% LEL		+1000	+1000	+1000	+1000	+1000	+1000
	% methane		83.4	86.1	51.3	75.2	76.6	78.4
	% CO2		10.5	11.7	24.2	16.4	20.3	18.2
	% O2		0	0.4	2.1	0.7	0.7	0
	Balance Gases		5.8	1.7	23.4	8.5	3.1	3.3
	Static Press.(in.)		0	+.1	0	0	0	0
GP16	**2-7 --white**							
	% LEL		0	0	0	0	0	0
	% methane		0	0	0	0	0	0
	% CO2		0.1	0	0	0.1	0.3	5.6
	% O2		19.7	20.2	20.4	19.6	21	16.2
	Balance Gases		80.2	79.8	79.5	80.3	78.5	78.2
	Static Press.(in.)		0	0	0	0	0	0
GP17	**8.5-13.5 --white**							
	% LEL	12	260	238	334	0	0	4
	% methane	0.6	13	11.9	16.7	0	0	0.2
	% CO2	1.3	20.4	19.5	19	0	1.3	0.6
	% O2	18.6	0.1	0.2	0.1	19.6	19.9	20.8
	Balance Gases	79.4	66.1	69.2	64.2	80.3	78.6	78.4
	Static Press.(in.)	0	0	0	0	0	0	0
	20-25 --black							
	% LEL	916	992	752	800	934	+1000	+1000
	% methane	45.8	49.6	37.6	40	46.7	57.4	63.2
	% CO2	28	25.8	23.6	22.7	22.7	25.4	30.3
	% O2	0.1	0	0.5	0.4	0.2	0.4	0.3
	Balance Gases	26.2	24.7	38.5	37.6	32.6	17.5	7.2
	Static Press.(in.)	0	0	0	0	0	0	0

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		31-Aug-99	16-Sep-99	28-Oct-99	24-Nov-99	28-Dec-99
GP12	**9-14 –white**					
	% LEL	+1000	+1000	+1000	+1000	+1000
	% methane	68.8	70.5	71.8	72.2	72.2
	% CO2	31.2	29	28.2	27.6	27.1
	% O2	0	0.5	0	0.2	0
	Balance Gases	0	0	0	0	0.7
	Static Press.(in.)	+.2	+.1	+.2	0	0
	22-27 –black					
	% LEL	+1000	+1000	+1000	416	+1000
	% methane	59.6	56.8	57.4	20.8	54.5
	% CO2	25.4	23.7	24.3	14.6	23.4
	% O2	3.1	4	3.5	12.2	4.7
	Balance Gases	13.4	15.1	15.1	50.6	17.5
	Static Press.(in.)	+.2	0	+.2	0	0
GP15	**2-7 –white**					
	% LEL	+1000	+1000	+1000	+1000	+1000
	% methane	74	74	77.4	72.5	77.4
	% CO2	13.9	12.9	10.7	9.2	9.4
	% O2	0	0	0.3	0.3	0.3
	Balance Gases	12.1	13.3	11.6	17.7	12.9
	Static Press.(in.)	0	0	0	0	0
GP16	**2-7 –white**					
	% LEL	4	0	0	0	0
	% methane	0.2	0	0	0	0
	% CO2	3	2.6	1.4	1.5	1.3
	% O2	17.1	19.1	17.4	18	17.9
	Balance Gases	79.7	78.3	81.1	80.5	80.8
	Static Press.(in.)	0	+.1	0	0	0
GP17	**8.5-13.5 –white**					
	% LEL	394	354	332	274	264
	% methane	19.7	17.7	16.6	13.6	13.2
	% CO2	20	20	19.4	19.4	21.1
	% O2	0	0.3	1.8	2.7	0
	Balance Gases	60.3	62.2	60.9	63	65.4
	Static Press.(in.)	0	0	0	0	0
	20-25 –black					
	% LEL	+1000	+1000	+1000	784	944
	% methane	59.8	53	60.3	39.2	47.2
	% CO2	33.7	28.3	30.6	26.8	25.6
	% O2	0	0.2	0	0	0.3
	Balance Gases	6.9	18.3	8.2	33.4	25.4
	Static Press.(in.)	0	0	0	0	0