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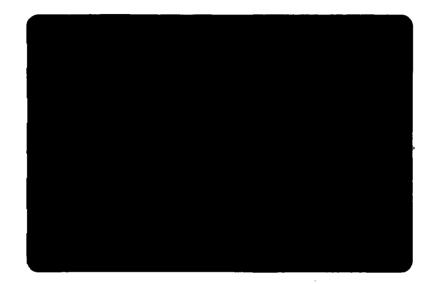
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### SOIL VAPOR EXTRACTION / AIR SPARGING SYSTEM DECOMMISSIONING REPORT

For the:

MACHIAS GRAVEL PIT SITE

Machias, New York
3/07

Prepared For:

MOTOROLA CORPORATION 4000 COMMERCIAL AVENUE NORTHBROOK, ILLINOIS 60062

Prepared By:

ENVIROGEN, Inc. 480 NEPONSET STREET CANTON, MA 02021

March 2002

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### SOIL VAPOR EXTRACTION / AIR SPARGING SYSTEM DECOMMISSIONING REPORT

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March 19, 2002 SVE/AS Decommissioning Report Machias Gravel Pit Site Envirogen Project No. 10781

#### 1.0 INTRODUCTION

This final closure report summarizes the operation and decommissioning of the soil vapor extraction (SVE) and air sparging (AS) system at the Machias Gravel Pit Site (the Site) in Machias, New York. Envirogen prepared this report on behalf of Motorola Corporation in accordance with the environmental services contract under Envirogen Project No. 10781. This report includes an overview of the background related to the SVE/AS system, a summary of system operation and performance between full system startup on December 22, 1993 and system shutdown on December 27, 1999, and a summary of the final system decommissioning and demobilization conducted in October and December 2001.

### 2.0 BACKGROUND

Envirogen's involvement at the Site began while doing business as Vapex Environmental Technologies, Inc. in 1992. Vapex assessed the feasibility of employing in-situ SVE/AS technologies to remove VOCs, primarily trichloroethylene (TCE) and trichloroethane (TCA), from vadose and saturated zone soils and groundwater at the Site. After conducting pilot studies in June 1993, Envirogen developed a conceptual design and then constructed a full-scale SVE/AS system between September and December 1993. The final construction included the installation of 16 SVE wells connected by above ground piping to a 25-horsepower rotary lobe blower package that discharged extracted vapors to two 1,000 pound vapor-phase carbon vessels, and 39 AS wells connected by above ground piping and flexible hose to a 30-horsepower rotary screw air compressor system. Envirogen started operation of the SVE system on December 22, 1993, and started operation of the AS system on January 13, 1994.

### 3.0 SUMMARY OF AS/SVE SYSTEM OPERATION & PERFORMANCE

Envirogen operated, maintained, and monitored the SVE/AS system following initial startup. Initial operation of the SVE/AS system achieved high VOC removal rates. Over the first two years of operation, the system effectively removed approximately 207 pounds of VOCs as TCE. During this period, VOC concentrations in soil vapor declined until reaching an asymptotic level associated with mass transfer limitations (i.e., reduced concentrations of VOCs adsorbed to soil particles resulted in slower transfer to soil vapor due to low concentration gradients). Evidence of mass transfer limitations included low or non-detectable VOC concentrations extracted during SVE operation and little to no rebound in VOC concentrations after extended periods of system inactivity. Envirogen continued operation of the SVE/AS system until the end of 1999 to satisfy a directive given by the New York State Department of Environmental Conservation (NYSDEC). Ultimately, between initial start up of the SVE/AS system on December 22, 1993 and final shutdown on December 27, 1999, the SVE/AS system removed an approximate total of 207 pounds of VOC mass (as TCE).

Following shutdown of the SVE/AS system, HSI Geotrans, the groundwater consultant for the site, continued periodic groundwater monitoring at the Site to evaluate whether groundwater concentrations remained below site closure criteria. In May 2001, Envirogen dismantled the above ground SVE/AS manifold piping to facilitate drill rig access for a soil-sampling event that HSI Geotrans planned to conduct, per request by NYSDEC, in order to demonstrate that Site soils remained below New York State criteria. The results indicated closure actions could



March 19, 2002 SVE/AS Decommissioning Report Machias Gravel Pit Site Envirogen Project No. 10781

proceed, and following NYSDEC's approval, Envirogen initiated field efforts to decommission the SVE/AS system.

### 4.0 SUMMARY OF SYSTEM DECOMMISSIONING

#### 4.1 WELL DECOMMISSIONING

Envirogen arrived on-site on Monday, October 29, 2001 to begin system deconstruction and well decommissioning. Envirogen contracted Buffalo Drilling, Inc, a licensed drilling contractor based in Clarence, NY, to decommission the 16 SVE wells and the 39 AS wells. Envirogen provided direction and oversight during the decommissioning activities.

Since the construction of the wells (1" PVC pipe at depths up to 80 feet below ground surface for the AS wells) made both pulling and full-depth over-drilling impractical, Envirogen opted to grout the wells in place. Well decommissioning by this method consisted of using a tremie pipe to pour a grout mixture consisting of Type I Portland cement with approximately four percent bentonite from the bottom of the well up to five feet below ground surface. Envirogen conducted breathing zone monitoring with a photoionization detector equipped with an 11.7 eV lamp (calibrated to isobutylene) during grout injection for health and safety purposes. All readings taken during grout injection, which likely displaced soil vapor, indicated non-detectable concentrations. Envirogen also completed well decommissioning records for each well, which are included in Appendix A.

After completing initial grouting at each well and allowing the grout to settle, Buffalo Drilling rechecked the levels of grout and topped it off where required. Following grouting procedures, Buffalo Drilling over drilled the PVC riser pipe with hollow stem augers to five feet below ground surface. Buffalo Drilling transferred the cut sections of PVC to a 20 cubic yard roll-off container brought on-site for containment of demolition debris. Buffalo Drilling completed the decommissioning of each well by filling the borehole with clean backfill and native soil and compacting the backfill to match surface grade.

Three of the grouted wells (AS18, VW6/AS13, AS22) had steel casings that extended deeper into the subsurface than expected. After unsuccessfully attempting to pull the steel casings with the drill rig, Buffalo Drilling and Envirogen concurred that rescheduling a future date to return with a backhoe would be necessary. On December 7, 2001, Envirogen and Buffalo Drilling returned with a backhoe and proceeded to excavate the soil around the wells to a depth slightly greater than five feet. Buffalo Drilling cut the steel casings at a depth of five feet, covered each well with bentonite chips, and backfilled and compacted the excavation above the grout seal with clean backfill and native soils to match surface grade. The steel riser was disposed of off site as solid waste.

### 4.2 System Deconstruction & Demobilization

Envirogen began deconstruction of system equipment and ancillary piping in conjunction with the oversight work associated with the well decommissioning activities. On Thursday, November 1, 2001, Envirogen removed the SVE/AS manifold and ancillary piping to the



March 19, 2002 SVE/AS Decommissioning Report Machias Gravel Pit Site Envirogen Project No. 10781

decommissioned wells. In addition, a local electrician terminated the electrical service supplying the SVE/AS equipment inside the treatment building. Once the power was disconnected, the wiring and circuitry to the remediation equipment was dismantled. The electrical inspector from the Town of Machias met with Envirogen on-site following completion of the electrical termination to inspect and certify that the electrical panel was left in proper condition in accordance with local electrical codes. Appendix B contains a copy of the inspection certificate.

A total of five 55-gallon drums containing water discharged from the air sparging system's desiccant dryers and two 55-gallon drums containing spent vapor-phase carbon utilized by the SVE system remained on-site from the former SVE/AS operation. Envirogen arranged for Safety-Kleen Corporation of Lackawanna, NY to sample the drums on November 1, 2001 to create a waste profile for disposal purposes.

On Friday, November 2, 2001, Envirogen transferred the remaining deconstruction debris and other non-salvageable equipment from the site into the roll-off container. Waste Management picked up the container and transported it to the Waste Management landfill in Chaffee, NY for disposal as solid waste.

Completion of system demobilization took place during December 6 and 7, 2001. On December 6, 2001, Envirogen met with Safety Kleen for pickup of the five water drums and two spent carbon drums. Based on the analytical results from samples collected on November 1, 2001, Safety-Kleen prepared a profile characterizing both materials as non-hazardous / non-regulated waste materials and completed a Bill of Lading to accompany the drums during transport. Prior to pickup, Envirogen coordinated with Mayor Douglas Law to obtain his signature as a representative of the Town of Machias (the Generator) on the Bill of Lading. Safety-Kleen transported the seven drums (total) to a Safety-Kleen disposal facility located in Smithfield, KY. Envirogen returned the original Generator copy of the Bill of Lading to the Town office for their record keeping. Appendix C contains a copy of the Bill of Lading.

On December 7, 2001, Envirogen met with Buffalo Drilling to complete decommissioning of the three remaining SVE/AS wells as discussed in the previous section. In addition, Envirogen utilized Buffalo Drilling's backhoe and operator to move the heavy SVE/AS equipment skids from the treatment building and load them onto a common carrier's tractor for transport off-site.

### 5.0 FINAL CLOSURE STATUS

The decommissioning and demobilization activities concluded Envirogen's involvement with the Site. Post-shutdown groundwater monitoring will continue and the remaining documentation will be submitted to NYSDEC to finalize site closure.

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## TABLE 1 SVE SYSTEM OPERATION DATA

MACHIAS GRAVEL PIT - MACHIAS, NY

ENVIROGEN Project No. 10781

ſ	T		1	T		<del></del>	Incremental	Cumulative	
•	1		Total			TCE	TCE	TCE	
ŀ		Operating	System	Influent	Effluent	Discharge	Removed	ľ	
		Time	Flow	Concentration*	Concentration*	Rate	by SVES	Removed by SVES	
Date	Time	(days)	(cfm)	(ppm)	(ppm)	(lbs/day)	(lbs)	· ·	
		(00)37	(6111)	(ppiii)	(рріп)	(sus/day)	(IDS)	(lbs)	Comments
23-Dec-93	10:00 AM	0.0	287	18.9	ND	2.656	0.0	_	Const
29-Dec-93	08:00 AM	6.8	NA.	NA.	NA NA	0.000	18.2		Start up.
29-Dec-93	12:00 PM	7.0	285	16.8	ND	1	0.0	ŀ	System down due to ice buildup in lines.
10 Jan-94	10:30 AM	18.9	NA NA		NA NA	0.000		l	Final data after restarting.
12-Jan-94	04:00 PM	18.9	425	18.9	ND	3.940	28.0 0.0	1	System down due to ice buildup in lines.
13-Jan-94	09:00 AM	19.6	405	21.0	ND	4.167	2.9		Start up data; winterized lines.
13-Jan-94	03:00 PM	19.8	408	NM	NM	0.000	0.5		Site check data before optimization of SVES wells.
17-Jan-94		23.8	NA	NA	NA NA	0.000			Final data after optimization of SVES wells.
25-Jan-94	10:30 AM	23.8	390	NM	NM	0.000	<b>0</b> .0		System down due to overloaded transformer.
25-Jan-94	01:15 PM	<b>23</b> .9	387	7.4	ND		0.0		System data with new transformer before optimization.
03-Feb-94	11:00 AM	32.7	417	12.6	ND	1.394 2.577	17.4		System data after optimization of SVES wells.
0 <b>3-Feb</b> -94	03: <b>00</b> PM	32.8	405	11.3	NM	1			System down due to low amp setting.
15-Feb-94	11:00 AM	36.3	NA NA	NA	NA	2.252	0.3		System data after optimization of SVES wells.
16-Feb-94	09:30 AM	3 <b>6.3</b>	412	8.2	ND ND	0.000	7.8		System down: motor starter fuse blown.
16-Feb-94	01:30 PM	3 <b>6.4</b>	400	8.8	ND ND	1.657	0.0		System data after restart w/new fuse.
22-Feb-94	01.007111	42.6	NA NA	NA	NA NA	1.736 0.000	0.3		System date after optimization of SVES wells.
28-Feb-94	11:30 AM	42.6	442	8.2	NA ND		10.7		System down: B.Bruyere shut off.
28-Feb-94	03:45 PM	42.7	414	7.5	ND.	1.776	0.0		System data after restart.
14-Mar-94	11:30 AM	56.5	412	7.5 5.0		1.527	0.2		System data after optimization of SVES wells.
14-Mar-94	01:30 PM	56.6	418	5.0 5.7	ND	1.017	17.5		
25-Mar-94	10:30 AM	67.4	418		ND	1.163	0.1		System data after optimization of SVES wells.
25-Mar-94	01:30 PM	67.4	404	1.9	ND	0.387	8.4		Initial site check data.
21-Apr-94	11:00 AM	94.4	-	4.4	ND	0.874	0.0		System data after optimization of SVES wells.
22-Apr-94	12 40 PM	1	399	0.5	ND	0.098	13.1		Initial site check date.
23-May-94	10:05 AM	95.4	405	0.5	ND	0.099	0.1		System data after optimization of SVES wells.
23-May-94	12 15 PM	126.3	387	1.5	ND	0.285	5.9		Initial site check date.
27-Jul-94	12 15 PW	126.4	389	1.2	ND	0.229	0.0		System data after optimization of SVES wells.
	11.15.484	126.4	NA.	NA	NA	0.000	0.0		Shut off system until building ventilated.
22-Sep-94	11:15 AM	191.9	425	ND	ND	0.000	0.0	132	System data after restart.
27-Oct-94	03:30 PM	227.1	429	0.6	ND	0.126	2.2	134	Site check data.
17-Nov-94	03:00 PM	248.1	444	0.6	NĐ	0.131	2.7	136	Site check data.
15-Dec-94	02:30 PM	2/6.1	432	ND	ND	0.000	1.8	138	Site check data.
25-Jan-95	02:30 PM	317.1	448	0.9	0. <b>6</b>	0.198	4.1	142	Site check data.
28-Feb-95	12:00 PM	351.0	436	ND	NĎ	0.000	3.4	146	Site check data.
23-Mar-95	06:30 AM	373.7	NA	NA	NA	0.000	0.0	146	System down due to compressor malfunction.
19 Apr-95	04:30 PM	373.3	473	0.2		0.046	0.0	146	System restart data after annual maintenance.

## **TABLE 1**SVE SYSTEM OPERATION DATA

MACHIAS GRAVEL PIT - MACHIAS, NY ENVIROGEN Project No. 10781

				1	<del> </del>	<del></del> 1	Incremental	Cumulative	
			Total			TCE	TCE	TCE	
		Operating	System	Influent	Effluent	Discharge	Removed	Removed	
		Time	Flow	Concentration*	Concentration*	Rate	by SVES	by SVES	
Date	Time	(days)	(cfm)	(ppm)	(ppm)	(lbs/day)	(edl)	(lbs)	Comments
17-May-95	11:30 AM	391.4	450	ND	ND	0.000	0.4	146	Site check data.
28-Jun-95	12:00 PM	433.5	454	1	1	0.223	4.7	151	Site check data.
26 Jul-95	12:00 PM	461.5	448	2	2	0.439	9.3	160	Site check data.
23-Aug 95	12:00 PM	489.5	447	ND	ND	0.000	6.2	166	Site check data.
29-Sep-95	12:00 PM	526.5	439	ND	ND	0.000	0.0	166	Site check data.
03-Nov-95	03:00 PM	547.4	447	ND	ND	0.000	0.0	166	Blower down. Changed belts and restarted.
01-Dec-95	12:00 PM	575.3	386	3	0.5	0.569	7.9	174	System up. Reconfigured AS system.
24 Jan-96	12:00 PM	628.4	459		1	0.225	21.1	195	System down. Removed carbon and restarted.
04-Mar-96	12:00 PM	668.4	454	-	MM	0.000	4.5		System down due to electrical problem. Repaired.
02-Apr-96	12:00 PM	681.6	446	-	ND	0.000	0.0	200	Annual compressor maintenance.
28-May 96	12:00 PM	<b>73</b> 7.6	446		ND	0.000	0.0	200	AS unit down. Met with Allan Rabideau from UB.
24-Jun-96	12:00 PM	764.6	NA	-;	<b>N</b> A	0.000	0.0	200	Shut system down for University of Buffalo study
0 <b>2-Ju</b> l-96	12:00 PM	7 <b>6</b> 4.6	NA	-	NA	<b>0.</b> 000	0.0	200	Static soil gas survey. System down.
12-Aug-96	10:25 AM	764.6	NA	•	AN	0.000	0.0	200	Site visit. System remained down.
17-Sep-96	12:00 PM	764.6	483	-	ND	0.000	0.0	200	Restarted SVE and AS defensive line
21-Oct-96	02:20 PM	798.7	492	-	0.5	0.121	2.1	202	
13-Nov-96	03:56 PM	821.8	488	·	ND	0.000	1.4	203	AS down (11/13/96) faulty safety valve - restarted 11/18/96
24-Nov-96	12:00 AM	832.1	488	1	NM	0.000	0.0	203	SVE down due to faulty float switch
10-Dec-96	02:09 PM	832.1	463	•	NM	0.000	0.0		SVE down (11/24/96) faulty float switch - restarted 12/10/96
16-Jan-97	11:56 AM	855.1	NA	-	MM	0.000	0.0	203	SVE and AS down (12/31/96) A/W separator frozen solid.
20-Feb-97	09:45 AM	856.0	439	•	ND	0.000	0.0		Systems still down. SVE and AS systems restarted.
02-Apr-97	10:38 AM	897.0	487	-	MM	0.000	0.0	203	SVE system up. AS down. Shut system down for University of Buffalo study.
12-Nov-97	10:00 AM	897.0	492	1	ND	0.000	0.0		Full System restart (down since April 2, 1997 for University of Buffalo Study)
15-Jan 98	12:00 PM	961.1	462	-	ND	0.000	0.0		System Up - Run time clock on blower does not appear to work
19 Feb-98	12:00 PM	982.1	436	-	ND	0.000	0.0		SVE blower down (approx 2 weeks). Tripped overloads
04-Mar-98	12:00 PM	995.1	NM		MM	0.000	0.0		System Up, Maintenance Site check. Replaced Discharge Stack
17-Apr 98	12:00 PM	1039.1	465	-	ИD	0.000	0.0		SVE system up. AS down.
15-May-98	12:00 PM	1049.1	NA	· .	NA	0.000	0.0		System down on 4/27/98 - Blower removed for maintenance
05-Aug-98	04:30 PM	1049.1	NA	-	NA	0.000	0.0		System still down. Blower being repaired.
23-Sep-98	11:12 AM	1081.1	141	· i	1.4	0.097	1.5		System restarted on 8/22/98. System up on arrival.
29-Oct-98	10:47 AM	1117.0	99		ND	0.000	1.7		System up on arrival.
15-Dec-98	12:00 PM	1164.1	99		ND	0.000	0.0		System up on arrival.
02-Feb-99	10:40 AM	1213.0	99	-	ND	0.000	0.0		System up on arrival.
08-Mar 99	09:00 AM	1242.0	NM	-	NM	NM	ми		System up on arrival shut down for one month rebound test
15-Apr 99	09:00 PM	1242.2	279	-	ND	0.000	0.0		System down since 3/8/99. Restart.
21-Apr-99	06:08 PM	1248.1	278	-	MM	MM	MM NM	206	System up on arrival - remained up while AS system being repaired

## TABLE 1 SVE SYSTEM OPERATION DATA

MACHIAS GRAVEL PIT - MACHIAS, NY

ENVIROGEN Project No. 10781

		,					Incremental	Cumulative	
			Total			TCE	TCE	TCE	
		Operating	System	Influent	Effluent	Discharge	Removed	Removed	
		Time	Flow	Concentration*	Concentration*	Rate	by SVES	by SVES	
Date	Time	(days)	(cfm)	(ppm)	(ppm)	(lbs/day)	(lbs)	(lbs)	Comments
18-May-99	06:32 PM	1275.1	275	-	ND	0.000	0.0	206	System up on arrival shut down for one month rebound test
17-Jun-99	04:24 PM	1275.1	277	-	ИD	0.000	0.0		System down since 5/18/99. Restart.
16-Jul 99	01:40 PM	1304.0	279	-	NM	NM	NM	206	SVE System up. AS down. Restart.
12-Aug-99	02:05 PM	1331.0	275	-	0.5	0.067	0.9	207	System up on arrival. Shut down for one month rebound test
15 Sep-99	12:00 AM	1331.0	277	-	MM	0.000	0.0		Restarted by Knox Air 9/15/99
23-Sep-99	03:00 PM	1338.4	277		ND	0.000	0.2	207	System up on arrival.
14 Oct-99	03:00 PM	1359.4	284	-	ND	0.000	0.0		System up on arrival. Shut down for one month rebound test
15 Nov 99	01:50 PM	1359.5	314		1.1	0.170	0.0		System down since 10/14/99. Restart 11/16/99 after maintenance
28 Dec-99	12:25 PM	1401.7	NM	-	NM	NM	NM		System down on arrival since 12/27/99. Left off permanently.
			·						

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Concentrations were measured with a Thermo 5808 OVM equipped with a photoionization detector (PID),

which utilizes a 10.6 eV lamp, and are reported as trichloroethylene (TCE).

ND Not detectable.

NM Not measured.

NA Not applicable, system down.

Carbon removed. Influent concentration not applicable.

TABLE 2 SVE WELLHEAD DATA

MACHIAS GRAVEL PIT - MACHIAS, NY ENVIROGEN Project No. 10781

	V	V1	V	N2	W	V3	V	V4	V	W5	W	W6	W	N7	V	V8	V	V9
	VAC.	CONC.	VAC.	CONC.	VAC.	CONC.	VA <b>C.</b>	CONC.	VAC.	CONC.	VAC.	CONC.	VAC.	CONC.	VAC.	CONC.	VAC.	CONC.
DATE	("H2O)	(ppm)	("H2O)	(ppm)	("H2O)	(ppm)	("H2O)	(ppm)	("H2O)	(ppm)	("H2O)	(ppm)	("H2O)	(ppm)	("H2O)	(ppm)	("H2O)	(ppm)
12/15/93*	ND	40	ND.	52	ND	20	ND	6	ND.	18	ND	21	ÚD	92	ND	9	ND	42
1/13/94**	15	10	22	33	34	9	37	9	5	3	32	10	52	80	58	4	55	21
1/25/94	15	7	22	22	34	6	37	5	5	5	32	9	52	52	59	4	56	18
2/3/94	15	9	22	26	34	6	37	9	5	4	32	7	52	76	59	1	56	27
2/16/94 2/28/94	15 15	6	22	23	34	6	37	8	5	4	32	8	40	57	50	7	48	23
3/14/94		7	22	26	34	4	37	8	5	3	32	7	40	64	46	6	43	27
3/14/94	15	4	22	15	34	3	37	6	5	2	31	3	40	23	45	3	45	14
3/23/94 4/21/94	15 12	3 ND	22 22	3 5	34	4	37	3	4	1	32	3	45	2	48	4	45	3
5/23/94	7	1 DIN	25		34	ND	37	3	3	ND	32	ND	57	19	55	3	52	13
9/21/94*	- ND	מא	ND:	5	34 ND	ND ND	36	1	3	1	30	1	58	8	63	1	31	5
9/22/94	15	NM	22	c MM	34		NO	2	ND	ND	ND	ND	ND	7	40	ND	ND	9
10/27/94	15	1	22	5	35	NM 1	35	NM	6	NM	31	NM	40	NM	40	NM	40	NM
11/17/94	15	- 1	22	2	35	ND	40 40	2 1	4	ND	31	2	39	5	45	2	43	6
12/15/94	16	ND	23	ND	36	ND ND	40	- 1	5	1	30	1	40	4	45	1	42	4
1/25/95	16	1	23	4	39	ND	40		- 6	ND	31	ND	40	4	45	ND	43	4
2/28/95	16	NM	23	1	40	ND	40	ND	5			ND	40	4	45	1	43	5
4/19/95*	18	4	28	12	35	5	42	9	5	ND 4	15	ND	40	2	45	ND	44	3
05/17/95	18	ND	30	ND	37	2	44	ND	4	ND	31 31	10	36	5	42	4	40	2
06/28/95	17,5	ND	30	ND	36	ИÐ	43	ND	2.5	ND	31	DN ND	38 37	1 ND	43	ND	41	2
09/29/95	14	ND	22	4	34	<u>ди</u>	37	ND	3	- ND	35	DN D	44	2	43 50	ND	40	ND
12/01/95	15	3	22	á	NM	NM	37	4	5	2	32	2	45	4	55	ND 6	46	3
05/28/96	19	ИÐ	27	3	49	NĐ	42	ND	6	1	40	ΝĐ	50	NĐ.	56	٥,	50	4
7/3/96*	0	11	0	1	0	11	ō	2	0	1	70	1	30	4		4	55 0	3
10/21/96	15	ND	22	11	34	NĐ:	37	ПĞИ	5	NĐ	30	0.5	34	0,5	39	0.5	36	2
11/13/96	15	ФИ	30	- NO	34	ПOИ	37	NM	- 5	ND	30	ОИ	35	ND D	44	ND	40	ND
12/10/96	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
01/16/97	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
02/20/97*	15	1	22	7	34	ND	37	1 1	5	1	32	1	51	1	55	1	50	4
04/02/97	[ NM[	NM	NM	NM	NM	NM	NM	NM	MM	NM	NM	NM	NM	NM	NM	NM	NM	NM
11/12/97*	15]	ФИ	22	МĎ	27	ПDI	35	ND	- 5	DN	25	ND	28	ND	36	ДИ	34	1
02/19/98	18	ND	32	МĐ	43	ND	51	ND	5	NÐ	38	ND	45	ND	50	ND	48	ND
09/23/98	13	ND	23	4	32	ND	41	ND	5	ND	28	ND	32	ND	41	ND	38	ND
12/15/98	15	ND	22	4	32	ND	37	ND	5	ND	58	ND	34	ND	44	ND	48	ND
04/15/99	15	ДИ	22	ND	30	ND	40	ND	5	ND	30	ND	35	ND	40	ND	40	NĐ
05/18/99	NM	ИD	MM	ND	NM	ДŪ	MIN	DI	MM	סא	NM	ND	NM	ND	MIN .	ND	- NM	- ND
06/17/99	15	ND	22	ND	34	ND	40	ND	5	ND:	29	ND	32	ND.	40	ND	38	ND
07/15/99	MM	MM	NM	NM	NM	NM	NM	NM	MM	MM	NM	NM	NM.	NM	NM	NM	NM	NM
08/12/99	NM:	ND	NM	10	NM	ND	NM	ND	NM	ND	NM:	ND	NM	ND	NM	ND:	NM	ND
09/23/99	15	МĐ	22	3	NM	NM	36	NÐ	5	МĐ	26	ΝĐ	26	ND	38	МÐ	35	ND
10/14/99	13	ND	17	8	MM	MM	27	ND	3	αи	19	UN	20	ND	28	ND	26	ND
11/15/99*	15	ИD	25	5	ØИ	0.55	32	ND	5	ND	20	ND	25	ND	32	ND	30	ND
12/28/99	MM	ND	NM	4	NM	2.55	NM	DИ	NM	ИD	MM	DИ	NM.	ND	NM	ND	NM	ND

### TABLE 2 **SVE WELLHEAD DATA**

MACHIAS GRAVEL PIT - MACHIAS, NY ENVIROGEN Project No. 10781

	w	/10	VM	/11	W	/12	W	/13	W	V14	W	/15	VW	/16	W	/17
DATE	VAC. ("H2O)	CONC. (ppm)	VAC. ("H2 <b>O</b> )	CONC. (ppm)	VAC. ("H2O)	CONC. (ppm)	VAC. ("H2O)	CONC.	<b>V</b> AC. ("H2O)	CONC.	VAC. (*H2O)	CONC.	VAC. ("H2O)	CONC.	VAC. ("H2O)	C <b>ONC.</b> (ppm)
12/15/93*	ND	8	, ND	15	ND	20	ND	24	ŃD	4	ND	7	DIA	(PP.1.)	ND	45
1/13/94**	12	7	39	21	51	13	6	11	OFF	OFF	58	9	12	1	43	24
1/25/94	12	6	38	14	54	6	6	7	OFF	OFF	60	5	12	3	43	16
2/3/94	12	5	39	23	52	6	6	7	NM	MM	58	8	12	1	43	19
2/16/94	12	4	38	16	45	6	6	6	9	1	50	10	12	1	35	17
2/28/94	12	- 5	35	18	40	3	6	6	8	1	45	6	11	ND	40	21
3/14/94	12	3	39	9	40	3	6	3	8	1	51	7	12	1	40	11
3/25/94	12		39	1	43	3	5	1	9	1	47	NM	11	1	41	2
4/21/94	9	ND	39	3	51	ND	6	DN	9	, ND	54	3	12	ND	43	8
5/23/94	7	1	41	2	58	2	2	1	10	1	63	2	13	2	49	2
9/21/94*	ND	ИД	ND	2	ND.	ND	ND	2	DI	מא	ИD	ND	DИ	ND	- ND	5
9/22/94 10/27/94	12	NM	35	NM	40	NM	6	NM	8	NM	45	MM	11	NM	40	NM
11/17/94	7	1	35	2	35	1	4	2	6	ND	45	2	11	ND	36	3
12/15/94	8	1	35	1	34	1	3	1	7	1	44	1	11	ND	37	1
1/25/95	8	ND ND	36		36	ND	4.	ND	5	NĐ.	45	. 1	11	ND	38	ND
2/28/95	5	_	36	1	36	ND	-5"	ИД	87	ИΩ	45	1	12	ND	39"	2
4/19/95*	10	ND	38	ND	39	ND	5	ND	7	ND	45	ND	12	ND	38	ND
05/17/95	10	2 ND	36 37	1	37	2	6	2	10	1	41	1	13	21	35	11
06/28/95	10	ND	36	ND	38	ND	_ 5	ND	5.5	NĐ	43	ND	10	ND	36	ND
09/29/95	6	- ND	36	ND 1	36	ND	5. <b>5</b>	ND	9,5	ДИ	43	ΝĐ	12,5	ND	35	ND
12/01/95	12	2	38 38	3	37	ИÐ	2	DI	9	סא	42	ND	11	ФИ	42	1
05/28/96	16	- 4		3.1	50	3	3	4.	9	5	5,2	5	43	4	MM	NM
7/3/96*	0	- 1	23 0		50	- 1	10	1	65	ND	56	1	15	1	50	1
10/21/96	12	2	31	0.5	0	1	0	3	0	.11	0	21	o	6	0	1;
11/13/96	12	ďи	35	ND ND	32 35	ФИ ФИ	6	МÐ	9	ND	38	ND	12	NĐ	33	0.5
12/10/96	NM	NM	NM	NM	NM NM	-	6	ИD	9	NM	35	ИD	12	NM	35	ND
01/16/97	NM	NM	NM	NM		MM	NM	NM	NM	NM	NM	NM	NM	NM	MM	MM
2/20/97*	12	ND	38	19191	NM 47	NM ND	NM 6	NM	NM	NM	NM	NM	NM	ММ	NM	NM
04/02/97	NM	NM	NM	NM	NM	NM.	MN	ND	01	ND	45	92(8)	12	ND	43	1
11/12/97*	12	ON	29	ND GN	30	ND		NM NDI	MM	NM	NM	NM	NM NM	NM	NM	NM
02/19/98	11	ND	44	ND	44	ND	6 7	-	9	МD	32	2	12	ND	29	ND
09/23/98	14	ND	32	ND	32	ND	8	ND ND	6	ND	50	ND	12	ND	44	ND
12/15/98	12	ND:	34	ND	35	ND	6	ND	10	ND	45	ND	10	ND	32	ND
04/15/99	12	ND	35	ND	35	ND	6	ND	9	ND	35	ND	12	ND	33	ND
05/18/99	- NM	ND	NM	ON ON	NM	ND I	NM	- ND	NMI	ND	40	ND	12	ND	35	ND.
06/17/99	12	ND	35	ND	35	ND	9 17M	ND	MM	ND	NM	סא	MM	ND	NM	ND
07/15/99	NM	NM	NM	NM	NM	NM	NM	NM NM	9	ND	40	ND	12	ND	35	ND
08/12/99	NM	ND	NM	ND	NM	ND	NM	ND	NM	ND	40	ND	12	ND	NM	NM,
09/23/99	12	ND	32	ND	32	ND	6	ND.	IMVI a	ND ND	NM	ND	NM	ND	NM	ND
10/14/99	10	ND	22		22			ND	ND	ND	36	ND	12	ND	31	- ND
11/15/99*	10	ND	25	ND	25	ND	6	ND	1483		27	ДП	10	ИD	22	ND.
12/28/99	NM	ND	NM	ND	NM	ND	ММ	ND	NM	ND	30	ND	12	ND	25	dИ
					1 AlAI		INIVI	NU	IVM	NQ	NM	ND	NM	ND	NM	ND ELIDATA XLS

OFF

Concentration may be due to PVC glue vapors collected in the well head after repair during last site check. The lateral was full of ice and blocked, so the well was not being vented. Vacuum, reported as inches of water column (\* H2O). [a]

VAC.

Conc. Concentration

## TABLE 3 AS SYSTEM OPERATION DATA

MACHIAS GRAVEL PIT - MACHIAS, NY ENVIROGEN Project No. 10781

	Operating	Operating	Total	Compressor Air Outlet	Perimeter System	Module System	Defense System	
Date	Time (hrs)	Well Config.*	Pres <b>sure</b> (psi)	Temperature (deg F)	Pre <b>ssure</b> (psi)	Pres <b>sure</b> (psi)	Pressure (psi)	Comments
13-Jan-94	0.0	1, 2a, 3	95	NM	55	50	50	Start up of AS system.
17-Jan-94	110.1	1, 2a, 3	-	-		· .		System down due to overloaded transformer.
25-Jan-94	110.1	1, 2a, 3	90	175	60	52	50	System data with new transformer.
03-Feb-94	323 6	1, 2a, 3	90	177	50	50	ŀ	Site check data.
16-Feb-94	612.0	1, 2a, 3	-	-	,	-	_	System down; blower motor starter fuse blown.
16-Feb-94	615.4	1, 2a, 3	95	185	43	50	54	System data 4 hrs after restart,
28-Feb-94	687.9	1, 2a, 3	-	-				System down on High Outlet Air Temp Alarm.
28-Feb-94	690,6	1, 2a, 3	100	170	50	50	50	System data 4 hrs after restart (timer change).
14-Mar-94	1,021.5	1, 2a, 3	97	177	45	56		Site check data.
25-Mar-94	1,237.7	1, 2a, 3	-	-				System down on High Outlet Air Temp Alarm.
25-Mar-94	1,238 9	1, 2a, 3	90	175	45	50	54	Site check data.
13-Apr-94	1,693.7	1, 2a, 3	-	-	-	-	-	System down on High Outlet Air Temp Alarm.
21-Apr-94	1, <b>69</b> 3.7	1, <b>2b</b> , 3	-	-	50	60	60	System data after restart.
22-Apr-94	1,723.6	1, 2b, 3				-		System down on High Outlet Air Temp Alarm.
23-May-94	1,723.6	1, 25, 3	-	-	-	-		Site check data.
25-May-94	1,755 3	1, 2b, 3	-		-	-	-	System down on High Outlet Air Temp Alarm.
22-Sep-94	1,755.3	1, <b>2</b> b, 3	-	180	50	50	50	System data after restart. System was down since May
27-Oct-94	2,654.6	1, 2c, 3	65	175	50	50	50	Site check data.
17-Nov-94	3,155.0	1, 2c, 3	-	180	-	-	-	Site check data.
15-Dec-94	3,829.0	1, 2c, 3	-	175	40	60	58	Site check data.
25-Jan-95	4,810 3	1, 2c, 3	75	175	55	50	55	Site check data.
28-Feb-95	5,626 0	1, 2c, 3	-	180		-	-	No adjustments made.
23-Mar-95	5,920 0	1, 2c, 3	-	-	-	-	-	System down due to compressor malfunction.
19-Apr-95	5,920.0	1, 2+, 3	-	175	-	-	-	System restart data after annual maintenance.
17-May-95	6,330.6	1, 2+, 3	-	185	45	60	60	No adjustments made.
28-Jun-95	7,170 0	1, 2+, 3	-	180	40	60	60	System down. Restarted. No adjustments made.
26-Jul-95	7,539 0	1, 2a, 3	70	202	48	70	70	System down. Reconfigured groups and restarted.
23-Aug-95	8,203.0	1, 2a, 3	-	- 1	-	-1	-	System down. Repaired by Knox Air on 8/24/95.
29-Sep-95	9,064.0	1, 2a, 3	60	180	50	45	60	Quick connects need replacement.
01-Dec-95	10,161 9	1, 2b, 3	65	175	40	65	60	Reconfigued to 2b. Replaced quick connects.
02-Apr-96	11,485.0	1, 2a, 3	-	174	40	40	35	Annual maintenance. Reconfigured to 2a.
28-May-96	11,856 2	1, 2a, 3	-	174	40	40	35	AS system down. Restarted (System was down approx 5 weeks) prior
24-Jun-96	11,948 6	-	0	-	-	-	-	System shut down for University of Buffalo study
03-Jul-96	11,948.6	-	0	-	-	-	-	System shut down for University of Buffalo study
12-Aug-96	11,948.6	-	0	-	-	-	-	System shut down for University of Buffalo study
17-Sep-96	11,948.6	3	90	173	-	-	MM	System restarted - Defensive only
21-Oct-96	12,768.0	1, 2a, 3	100	180	40	38	45	Operating Perimeter, Module (2a), and Defensive AS
13-Nov-96	13,322.4	1, 2a, 3	MM	175	37	44		AS down - faulty safety valve, restarted 11/18/96

## TABLE 3 AS SYSTEM OPERATION DATA

MACHIAS GRAVEL PIT - MACHIAS, NY ENVIROGEN Project No. 10781

				Compressor	Perimeter	Module	Defense	
	Operating	Operating	Total	Air Outlet	System	System	System	
	Time	Well	Pres <b>sure</b>	Temperature	Pressure	Pres <b>sure</b>	Pressure	
Date	(hrs)	Config.*	(psi)	(deg F)	(psi)	(psi)	(psi)	Comments
10-Dec-96	13,702.7	1, 2a, 3	NM	NM	NM	NM	NM	AS down, SVE system interlock shut down, 11/24/96, restarted on 12/10/96
16-Jan-97	14,588.7	1, 2a, 3	NM	NM	NM	NM	NM	AS down. SVE down because A/W separator frozen solid.
20-Feb-97	14,588.8	1, 2a, 3	NM.	170	37	45	35	AS and SVE restarted.
02-Apr-97	14,701 1	-	NM	МИ	МИ	NM:	NM	AS down on high temp alarm, SVE shut off for University of Buffalo study.
12-Nov-97	14,702 5	1, 2a, 3	100	175	31	44	37	Full System Restart (system had been down since April, 1997 for University of Buffalo study)
15-Jan-98	16,233.1	1, 2a, 3	99	NM	NM	NM		AS System up.
19-Feb-98	17,076.5	1, 2a, 3	100	185	42	42	41	AS System up on arrival. SVE blower was down.
04-Mar-98	NM	1, 2a, 3	NM	NM	NM	NM	NM	AS System up. Maintenance site check.
17-Apr-98	17,819.9	1, 2a, 3	100	187	30	46	40	AS System down - high temperature alarm. Restarted
15-May-98	NM	1, 2a, 3	NM	NM	NM	NM		AS System down. SVE blower taken off-line for maintenance.
23-Sép-98	19,088.0	1, 2a, 3	NM	170	26	26		AS System not maintaining pressure and flow while perimeter leg is on.
29-Oct-98	19,952 0	1, 2a, 3	NM	<b>1</b> 65	25	27		AS System up. Mechanical timers for Defense and Module zones non-functional
15-Dec-98	21,076.9	1, <b>2a</b> , 3	NM	155	MM	NM		AS System up. Mechanical timers for Defense and Module zones replaced
02-Feb-99	21,417.5	1, 2a, 3	NM.	155 .	NM	NM.		AS System down - high temperature atarm. Annual maintenance. Restarted
08-Mar-99	22,111.2	1, <b>2</b> a, 3	NM	MM	MM	MM		AS System off for repairs - AS/SVES left off for one month rebound test
15-Apr-99	22,114 5	1, <b>2</b> a, 3	NM	197	50	50		AS Syslem down - new alternate schedule. Repairs made. Restarted
21-Apr-99	22,202.8	1, 2a, 3	MM	195	40	50	50	AS System off for repair of compressor drying towers. Restarted
18-May-99	22,848.3	1, 2a, 3	NM	205	40	58		AS System up. AS/SVES left off for one month rebound test
17-Jun-99	22,849.5	1, 2a, 3	MM	165	40	50		AS System down from previous month, Reconfigured to 2b. Restarted
16-Jul-99	23,083.8	1, 2b, 3	MM	212	25	30		AS Syslem down 4.5 days with High Temp alarm. Restarted
12-Aug-99	23,707 0	1, 2b, 3	NM	210	25	NM		AS System down 25 hours. Restart by Knox Air. Shut down for one month
23-\$ep-99	23,884 0	1, 2b, 3	МИ	175	45	57		AS System up. Restarted by Knox Air 9/15/99.
14-Oct-99	24,388.4	1, 2b, 3	ММ	188	30	30	NM	AS System up. Defense System pressure gauge broken. Shut down for one month
15-Nov-99	24,391 0	1, <b>2</b> c,3	MM	185	36	33		AS System down from previous month. Reconfigured to 2c. Restarted
28-Dec-99	25,402.7	1, <b>2</b> c,3	NM	NM	МM	NM		AS System down since 12/27/99. Remained off permanently.
<u></u> l								

Configuration 1 consists of all Perimeter AS wells: 1, 2, 3, 4, 5, 6, 12, 18,24, 30, 31, 32, 33 & 34. Configuration 2 consists of three subgroups of the Module AS wells.

2a consists of AS7, 10, 13, 14, 19, 22, 26 & 29.

2b consists of AS8, 15, 20, 21, 22, 23, 25, 27 & 28.

2c consists of AS9, 11, 13, 16, 17, 27 & 28.

2+ consists of AS9, 11, 14, 20, 22, 23 & 27

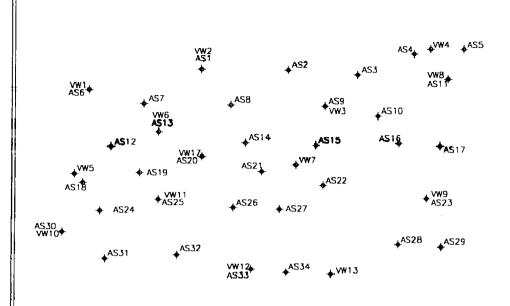
NOTE: Some of the wells in these subgroups overlaped and could be reconfigured as necessary for optimization.

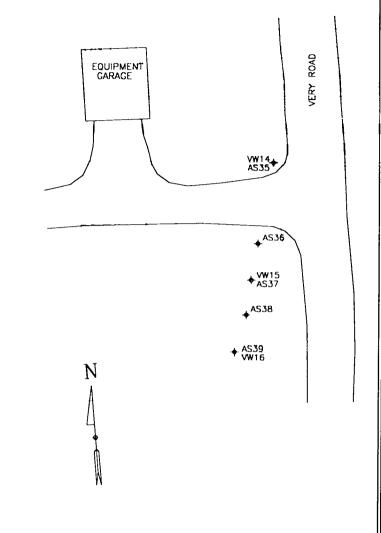
Configuration 3 consists of all Defense A\$ wells: 35,36,37,38&39.

Mobile group # A\$9,11,14,20,22,23,25&27.

NM not measured

P:\Motorola-Machias,NY\10781\reports\ASOPER.xls





REV.

REV.	DATE:	BY:	DESCRIPTION:				CHK'D.	APP'D.
	M E	VIE	ROGEN	DRAWN BY:	DAF	SCAL APP	E: 'R. 1"	= 30
V	augu		Hazardau\$ Waste Problems	CHK'D BY:	GTM	DATE	1/9	9/02
TITLE:			V WITH	ENVIROGEN	PROJECT	NO.	1078	B1
L			NED SVE/AS CATIONS	SITE: M	ACHIAS MAC		RAVEL N.Y	

DATE: NO. GRAVEL PIT IIAS, N.Y. FIGURE SIZE: DRAWING NO.

NOTES 1) ALL INFORMATION ON THIS DRAWING IS APPROXIMATE.

FIGURE 2A

VOC Discharge Rate vs. Time of Operation Machias Gravel Pit - Machias, NY

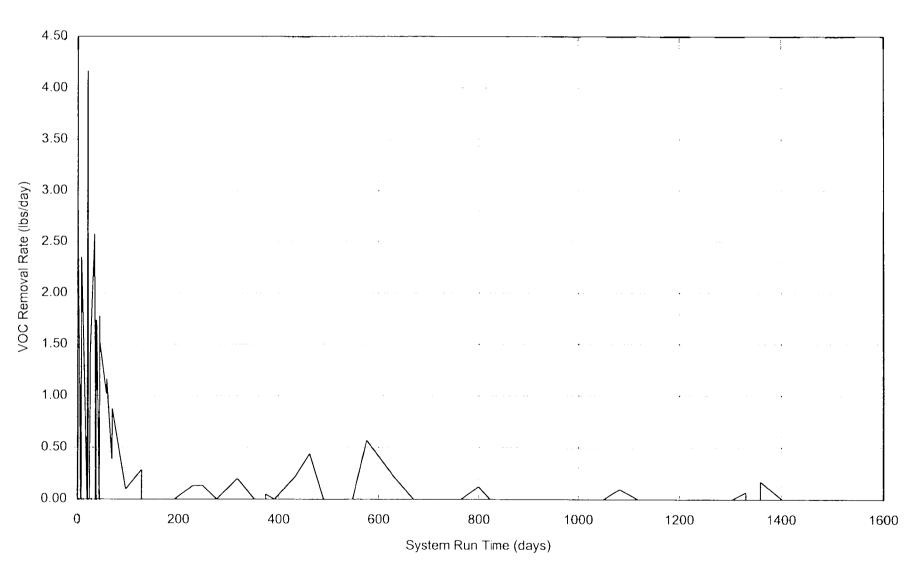
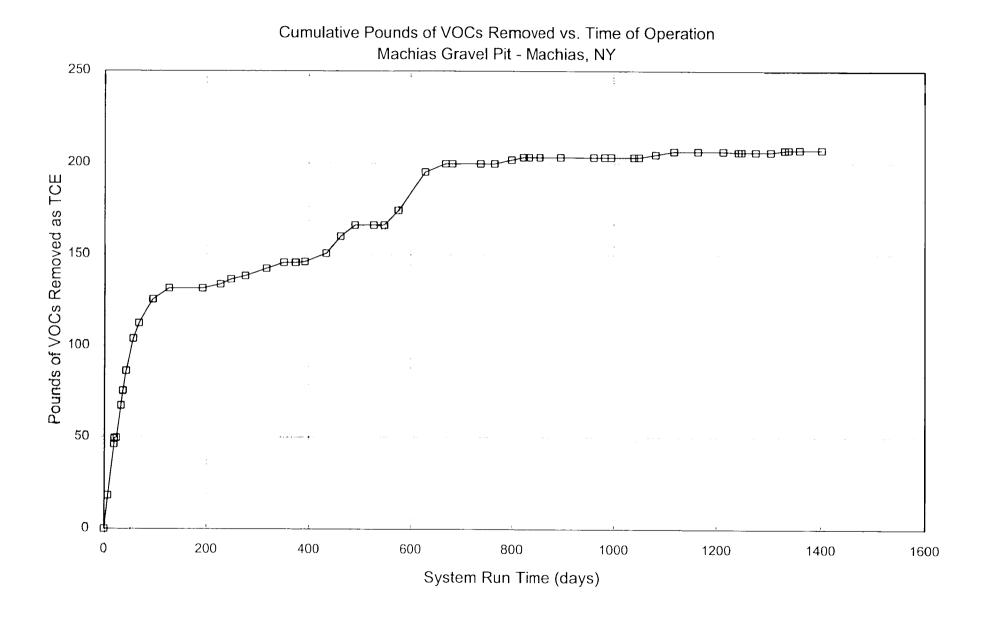


FIGURE 2B



Site Name: MACHIAS GRAVELE	
SI Y JOHNAS GRAVEL PIT	Well I.D.: A 5 2 9
THE THE THE THE THE THE	Driller:
Drilling Co.: BUFFALO DRILLING	Inspector: JASON LACASSE
	Date: /0-29-01
DECOMMISSIONING DATA	OVER DRIVEN HAVEN
(Fill in all that apply)	WELL SCHEMATIC* Depth  Buck
OVERDRILLING	(feet)
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	1 3 1
remporary Casing Installed? (v/n)	3-3.0' + 2 revis
Depth temporary casing installed  UA	
Casing type/dia. (in.)  Method of installing	am
W/A	5 7
CASING PULLING	7 - 8 -
Method employed	$  \dot{q} \rightarrow   \leq   $
Casing retrieved (feet)	/o-
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
ize of perforations	
nterval perforated	
ROUTING	
nterval grouted (FBLS)	
of batches prepared	
or each patch record:	
uantity of water used (gal.)	
uantity of cement used (lbs.)	
uantity of bentonite used (lbs.)	
uantity of calcium chloride used (lbs.)	
plume of grout prepared (gal.)	
olume of grout used (gal.)	
	' ——
DMMENTS: FILW grave Till woll own	* Sketch in all relevant decomposition
Flower - Topphone will w/4 RUS	* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole,
//	well stickup, etc.

ntractor

	<b></b> -
Site Name: MACHIAS GRAVEL PIT	Well I.D.: A 5 23
Site Location: VERY ROAD, MACHIAS NY	Driller:
Drilling Co.: BUFFALO DRILLING	Inspector: JASON LACASSE
	Date: 10-29-01
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth Makell
<u>OVERDRILLI</u> NG	(feet) 1001 - 2 Renvi
Interval Drilled 5fr	- O- Rison
Drilling Method(s)	
Borehole Dia. (in.)	3 1  3
Temporary Casing Installed? (y/n)	] ]
Depth temporary casing installed  Casing type/dia. (in.)	9-
Method of installing	6 3
N/A	7
CASING PULLING	8-1  5
Method employed	9 -  5
Casing retrieved (feet)	10  5
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
lize of perforations	$  \cdot  $
nterval perforated	
ROUTING	7   5
nterval grouted (FBLS)	
of hatches prepared	
or each batch record:	→   <i>/</i>
muantity of water used (gal.)	
uantity of cement used (lbs.)	1 11
ement type	
uantity of bentonite used (lbs.)	7 () 1
uantity of calcium chloride used (lbs.)	7 /
olume of grout prepared (gal.) olume of grout used (gal.)	
B. Car. acce (Bas.)	
OMMENTS: YILLON WORKER TO IN WALL	
ulso cl. no all men	* Sketch in all relevant decommissioning data, including:
10 1 + 10W = 1 - 10 ppion of F WITH good	interval overdrilied, interval grouted, easing left in hole,
	well stickup, etc.

### WELL DECOMMISSIONING RECORD NYSDEC NPL Sites Site Name: MACHIAS GRAVEL PIT Well I.D.: W 9 Site Location: VERY ROAD. MACHIAS NY Driller: Drilling Co.: BUFFALO DRILLING Inspector: JASON LACASSE 10-29-01 Date: OVER DRIL 11-1-0 DECOMMISSIONING DATA WELL SCHEMATIC\* BACKEI (Fill in all that apply) Depth 7001 (feet) **OVERDRILLING** Interval Drilled Drilling Method(s) PROUT Borehole Dia. (in.) 2 Temporary Casing Installed? (y/n) Depth temporary casing installed Casing type/dia. (in.) ONTE OR12 Method of installing CASING PULLING 8 Method employed Casing retrieved (feet) Casing type/dia. (in) CASING PERFORATING Equipment used Number of perforations/foot Size of perforations Interval perforated **GROUTING** Interval grouted (FBLS) # of batches prepared For each batch record: Quantity of water used (gal.) Quantity of cement used (lbs.) Cement type CYPE 1 Quantity of bentonite used (lbs.) Quantity of calcium chloride used (lbs.) Volume of grout prepared (gal.) Volume of grout used (gal.) COMMENTS: + Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Department Representative

**Drilling Contractor** 

### WELL DECOMMISSIONING RECORD NYSDEC NPL Sites Site Name: MACHIAS GRAVEL PIT Well I.D.: AS Site Location: VERY ROAD MACHIAS Driller: Drilling Co.: BUFFALO DRILLING Inspector: JASON LACASSE Date: 10-29-01 DIER ORIII DECOMMISSIONING DATA WELL SCHEMATIC\* (Fill in all that apply) BACKET Depth To or (feet) **OVERDRILLING** Interval Drilled Drilling Method(s) Borehole Dia. (in.) 2.0 Temporary Casing Installed? (y/n) Depth temporary casing installed Casing type/dia. (in.) Method of installing CASING PULLING Method employed Casing retrieved (feet) Casing type/dia. (in) CASING PERFORATING Equipment used Number of perforations/foot Size of perforations Interval perforated GROUTING Interval grouted (FBLS) # of batches prepared For each batch record: Quantity of water used (gal.) Quantity of cement used (lbs.) 100 Cement type Quantity of bentonite used (lbs.) Quantity of calcium chloride used (lbs.) Volume of grout prepared (gal.) Volume of grout used (gal.) COMMENTS: \* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Department Representative

**Drilling Contractor** 

### WELL DECOMMISSIONING RECORD NYSDEC NPL Sites Site Name: MACHIAS GRAVEL PIT Well I.D.: Site Location: VERY ROAD, MACHIAS YN Driller: Drilling Co.: BUFFALO DRILLING Inspector: JASON LACASSE Date: 10-29-01 DVHR DRII **DECOMMISSIONING DATA** (Fill in all that apply) Depth (feet) OVERDRILLING Interval Drilled Drilling Method(s) Borehole Dia. (in.) Temporary Casing Installed? (y/n) Depth temporary casing installed Casing type/dia. (in.) Method of installing CASING PULLING Method employed Casing retrieved (feet) Casing type/dia. (in) CASING PERFORATING Equipment used Number of perforations/foot Size of perforations Interval perforated GROUTING Interval grouted (FBLS) # of batches prepared OF For each batch record: Quantity of water used (gal.) Quantity of cement used (lbs.) 100 Cement type TUPITI Quantity of bentonite used (lbs.) Quantity of calcium chloride used (lbs.) Volume of grout prepared (gal.) Volume of grout used (gal.) COMMENTS: Sketch in all relevant decommissioning data, including: GROV interval overdriffed, interval grouted, casing left in hole, well stickup, etc.

**Drilling Contractor** 

Site Name: MACHIAS GRAVEL PIT	Well I.D.: A 5 2 8
Site Location: VERY ROAD, MACHIAS NY	Driller:
Drilling Co.: BUFFALO DRILLING	
DATING	Inspector: JASON LACASSE
	Date: 10-74-01
DECOMMISSIONING DATA	OVOR ORAL 10-31-01
(Fill in all that apply)	WELL SCHEMATIC* Depth  Bucks
OVERDANCE	Depth (feet)
OVERDRILLING	
Interval Drilled 5-PT	
Drilling Method(s)  Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	2 2017
Depth temporary casing installed	3 700 1
Casing type/dia. (in.)	- OVERDRIVI
Method of installing	
<u> </u>	3
CASING PULLING	
Method employed	Š-
Casing retrieved (feet)	1-10-1
Casing type/dia. (in)	
TAGDIC DEDUCE AND A	
CASING PERFORATING	
Equipment used	
Number of perforations/foot lize of perforations	
nterval perforated	
t / / /	
ROUTING	
nterval grouted (FBLS)	
of batches prepared	
or each batch record:	
uantity of water used (gal.)	
uantity of cement used (lbs.)	
ement type	
uantity of bentonite used (lbs.)	
uantity of calcium chloride used (lbs.)	
olume of grout prepared (gal.)  55  olume of grout used (gal.)	7     5   1
oranie of grout used (gai.)	]
OMMENTS: AP	
OMMENTS: OBSTRUCTON INVEIL COURN'T PUT PIPE	Sketch in all relevant decommissioning data, including:
OWN TO FILL WELL POURD IN THROUGH A 5 gAL BUCKET	interval overdrilled, interval grouted, casing left in hole,
Ill WELL OVOR Flower Wy GROVE	well stickup, etc.
/ V	1

**Drilling Contractor** 

### NYSDEC NPL Sites Site Name: MACHIAS GRAVEL PIT Well I.D.: VW Site Location: VERY ROAD MACHIAS NY Driller: Drilling Co.: BUFFALO DRILLING Inspector: JASON LACASSE Date: 10-29-0 OVERLIPEIL 10-31-07 **DECOMMISSIONING DATA** (Fill in all that apply) BACKEN Depth (feet) OVERDRILLING Interval Drilled Drilling Method(s) GROUP Borehole Dia. (in.) Temporary Casing Installed? (y/n) Depth temporary casing installed Casing type/dia. (in.) Method of installing 1714 CASING PULLING Method employed Casing retrieved (feet) Casing type/dia. (in) CASING PERFORATING Equipment used Number of perforations/foot Size of perforations Interval perforated GROUTING Interval grouted (FBLS) # of batches prepared For each batch record: Quantity of water used (gal.) Quantity of cement used (lbs.) Cement type Quantity of bentonite used (lbs.) Quantity of calcium chloride used (lbs.) Volume of grout prepared (gal.) Volume of grout used (gal.) COMMENTS: + 6 ROUT Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc. **Drilling Contractor**

WELL DECOMMISSIONING RECORD

- 10220 Tit B Dites	
Site Name: MACHIAS GRAVEL PIT	Walls D. A. C. T.
	Well I.D.: A.5 341
DIN S	Driller:
Drilling Co.: BUFFALO DRILLING	Inspector: JASON LACASSE
المدارية	Date: $(0-)-9-0$
DECOMMISSIONING DATA	MM 10-31-01
(Fill in all that apply)	WELL SCHEMATIC* Depth  Pack
	Depth (feet)
OVERDRILLING	
Interval Drilled Drilling Method(s)  577	m
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	6/2007
Casing type/dia. (in.)	-55 vine
Method of installing	6- 3 ORIN
7/1	7-1 [3]
CASING PULLING	5-
Method employed	9-1
Casing retrieved (feet) Casing type/dia. (in)	
Justing type/dia. (III)	
CASING PERFORATING	
equipment used	-
lumber of perforations/foot	
ize of perforations	-
nterval perforated	
ROUTING	7 1 1
nterval grouted (FBLS)	
of batches prepared	
or each batch record:	
uantity of water used (gal.)	-
uantity of cement used (lbs.)	-
ement type	
uantity of bentonite used (lbs.)	<b>-</b>
uantity of calcium chloride used (lbs.)	
olume of grout prepared (gal.)	
olume of grout used (gal.)	7
OMMENITS. T.M.	
OMMENTS: FILM WET WARDIT TILL	Sketch in all relevant decommissioning data, including:
OVER FLANON-TOPPED OFF WI JEOVI	interval overdrilled, interval grouted, easing left in hole,
7 0	well stickup, etc.

**Drilling Contractor** 

	<b></b>
Site Name: MACHIAS GRAVEL PIT	Well I.D.: A5 33
Site Location: VERY ROAD, MACHIAS NY	Driller:
Drilling Co.: BUFFALO DRILLING	Inspector: JASON LACASSE
	Date: $(0 - 34 - 0)$
	OUR DRITT 10-31-01
DECOMMISSIONING DATA	WELL COURT A THOU
(Fill in all that apply)	Depth (feet) BACKE
OVERDRILLING	(feet)
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	J FRON
Temporary Casing Installed? (y/n)	3 - 2
Depth temporary casing installed	4   2
Casing type/dia. (in.)	over part
Method of installing	00 DR//
<del>- 10/11</del>	7-  2
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING t	
Equipment used	1 19 1
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
nterval grouted (FBLS)	
of batches prepared	
For each batch record:	
Quantity of water used (gal.) Quantity of cement used (lbs.)	
Tamont type	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	
COMMENTS: FUEDWISEOUT TILL WIF1	461.41
OVIN FIGUED TOOKS ON IT	Sketch in all relevant decommissioning data, including:
THE TO SELVE	interval overdrilled, interval grouted, casing left in hole,
	well stickup, etc.

Drilling Contractor

Site Name: MACHIAS GRAVEL PIT	Well I.D.: VW 13
Site Location: VERY ROAD, MACHIAS NY	Driller:
Drilling Co.: BUFFALO DRILLING	Inspector: JASON LACASSE
	Date: //2 - 29 - /2)
DE GOLD CO.	ON BROPELL 10-30-01
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth
OVERDRILLING	(feet)
Interval Drilled 5 for	
Drilling Method(s)	
Borehole Dia. (in.)	7-
Temporary Casing Installed? (y/n)	3-3,5- ARICH
Depth temporary casing installed  Casing type/dia. (in.)	- 5 over
Method of installing	orill
CASING PULLING	8-1
Method employed	7-1
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	1 -1  5
Sumber of perforations/foot	
lize of perforations	
nterval perforated	
FROUTING	
nterval grouted (FBLS)	
of batches prepared	
or each batch record:	
uantity of water used (gal.)	
uantity of cement used (lbs.)	
ement type  Type    Type	
uantity of bentonite used (lbs.) uantity of calcium chloride used (lbs.)	
olume of grout prepared (gal.)	
olume of grout used (gal.)	
	<u> </u>
OMMENTS: Film well with gravi	* Sketch in all managed
II ONE Plano - TOPPED OFF WOU	Sketch in all refevant decommissioning data, including:     interval overfeilled interval overfeil.
WGEIVI	interval overdrilled, interval grouted, casing left in hole, well stickup, etc.
	on stickup, etc.

Drilling Contractor

	<b></b>
Site Name: MACHIAS GRAVEL PIT	Well I.D.: AS 27
Site Location: VERY ROAD, MACHIAS NY	Driller:
Drilling Co.: BUFFALO DRILLING	Inspector: JASON LACASSE
	Date: (0-19-01
DECO10 GGG	OVUR 1221/ 11-01
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth (fact)
OVERDRILLING	(feet)
Interval Drilled	
Drilling Method(s)	1 95' FROUS
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	3 -
Depth temporary casing installed	
Casing type/dia. (in.)	br. //
Method of installing	6 7 2 "
CASING DUILING	
CASING PULLING Method employed	$\delta \supset \delta \supset \delta$
Casing retrieved (feet)	9-
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
nterval perforated	
ROUTING	
nterval grouted (FBLS)	
of batches prepared	
or each batch record:	<u> </u>
Quantity of water used (gal.)	$\dashv$ $\triangleright$ $\mid$
Quantity of cement used (lbs.)	4 1
Cement type	
uantity of bentonite used (lbs.)	7   5
uantity of calcium chloride used (lbs.)	7
olume of grout prepared (gal.)	
olume of grout used (gal.)	
OMMENTS. Class 1	
OMMENTS: Film woll wy year 1711	* Sketch in all relevant decommissioning data, including:
ONTE Flower Toppet Of W/growi	interval overdrilled, interval grouted, easing left in hole,
11 / /	well stickup, etc.

Drilling Contractor

	<b></b>
Site Name: MACHIAS GRAVEL PIT	Well I.D.: A 9 21
Site Location: VERY ROAD, MACHIAS NY	Driller:
Drilling Co.: BUFFALO DRILLING	Inspector: JASON LACASSE
	Date: $10-29-01$
DECOMMISSIONING DATE	Ovor 0211 11-101
DECOMMISSIONING DATA (Fill in all that apply)	WELL SCHEMATIC*
(1 in in an diat apply)	
OVERDRILLING	(feet)
Interval Drilled 5 FT	
Drilling Method(s)	1-1.0' gran
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n) Depth temporary casing installed	
Casing type/dia. (in.)	over
Method of installing	DR. W
<u> </u>	7-1   1
CASING PULLING	1 8-1 1
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
nterval perforated	
GROUTING	
nterval grouted (FBLS)	
of batches prepared	
For each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (lbs.)	-
Cement type	
Quantity of bentonite used (lbs.)	<b>-</b>
Quantity of calcium chloride used (lbs.)	
volume of grout prepared (gal.)	
olume of grout used (gal.)	
OMMENTS. C. L. II	<b>_</b>
COMMENTS: CIL WILL WIGREST TIM OVER	* Sketch in all relevant decommissioning data, including:
Planon- ropped of will wiggent	interval overdrilled, interval grouted, casing left in hole,
/ /	well stickup, etc.

Drilling Contractor

Site Name: MACHIAS GRAVEL PIT	Well I.D.: A 5 2 6
Site Location: VERY ROAD, MACHIAS NY	Driller:
Drilling Co.: BUFFALO DRILLING	Inspector: JASON LACASSE
	Date: 10-29-01
	OVER PF1/1 11-1-01
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth Back A
OVERDRILLING	(feet)
Interval Drilled	- nu
Drilling Method(s)	1 1 , -,
Borehole Dia. (in.)	15' + 2reu
Temporary Casing Installed? (y/n)	3-1
Depth temporary casing installed	4
Casing type/dia. (in.)	- Ovor
Method of installing	6 - Deig
Wiedlod of histaring	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
· · · · · · · · · · · · · · · · · · ·	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
CROLLEDIC	
GROUTING (FRI G)	
Interval grouted (FBLS)	
# of batches prepared  For each batch record:	
Quantity of water used (gal.)	
7	_
Company true	
Quantity of bentonite used (lbs.)	<b>→</b>  >
Quantity of calcium chloride used (lbs.)	<b>→</b>   <b>∨</b>
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	4   1
(Buil)	
COMMENTS: I'M WOW IN CRAFT TO M	
A DOR	* Sketch in all relevant decommissioning data, including:
OVUE TOUNTO - TOPPEDI OF W/geni	interval overdrilled, interval grouted, casing left in hote,
	well stickup, etc.

Drilling Contractor

**Drilling Contractor** 

Site Name: MACHIAS GRAVEL PIT	Well I.D.: AS 3
Site Location: VERY ROAD, MACHIAS NY	
Drilling Co.: BUFFALO DRILLING	Inspector: JASON LACASSE
PRICEING.	Detail
	Date: 10-49-01  OVOR OR1 1/ 10-31-01
DECOMMISSIONING DATA	WELL SCHEMATION
(Fill in all that apply)	Denth
	(feet)
OVERDRILLING	.
Interval Drilled 5.59	
Drilling Method(s)	J] - gruu,
Borehole Dia. (in.)	3   3
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	over som
Casing type/dia. (in.)	Dri/
Method of installing	
CASING PULLING	8
Method employed	9-
Casing retrieved (feet)	
Casing type/dia. (in)	
1	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (lbs.)	
Cement type	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	
COMMENTS: FILVE IN GROWN TILL WE	
	and decommissioning data, including:
WING FLOWER - topped OFF WI	interval overdrilled, interval grouted, casing left in hole,
- william dim	well stickup, etc.
V	

	<b></b>
Site Name: MACHIAS GRAVEL PIT	Well I.D.: VW I
Site Location: VERY ROAD, MACHIAS NY	Driller:
Drilling Co.: BUFFALO DRILLING	Inspector: JASON LACASSE
	Date: 10 7-9-01
	OVER DRILL 11-101
DECOMMISSIONING DATA	WELL SCHEMATIC* BAC
(Fill in all that apply)	Depth
OVERDRILLING	(feet)
Interval Drilled	
Drilling Method(s)	1- S grown
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	3-  >
Depth temporary casing installed	4-
Casing type/dia. (in.)	- S OVIR
Method of installing	000, /
<del></del>	7-1  >
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
nterval perforated	
FROUTING (FRIS)	
nterval grouted (FBLS)	
of batches prepared  For each batch record:	
Quantity of water used (gal.)	
Priority of comput mod (lbn)	
ament type	
Quantity of bentonite used (lbs.)	$\rightarrow$
Quantity of calcium chloride used (lbs.)	4 1
Volume of grout prepared (gal.)	
olume of grout used (gal.)	-
COMMENTS: Fill w/geout till werl ovor	* Sketch in all relevant decomposition
Tower - Topos off Wagner	* Sketch in all relevant decommissioning data, including:
the state of the s	interval overdrilled, interval grouted, casing left in hole,
	well stickup, etc.

Drilling Contractor

THE DIEGO	
Site Name: MACHIAS GRAVEL PIT	Well I.D.: 1/11/11 4519
Site Location: VERY ROAD, MACHIAS NY	Well I.D.: WHAS 29 Driller:
Drilling Co.: BUFFALO DRILLING	
DOTTAL PRILLING	
	Date: 10-29-01 OVUK DRITT 11-1-01
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth
OVERDRILLING	(feet)
Interval Drilled	
Drilling Method(s)	1- Stew
Borehole Dia. (in.)	2 -   ATO'
Temporary Casing Installed? (y/n)	3-
Depth temporary casing installed	4-
Casing type/dia. (in.)	orpr
Method of installing	
TARDIC DULL DIG	\$   S   S
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
the state of the s	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
nterval perforated	
ROUTING	
nterval grouted (FBLS)	
of batches prepared	
or each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (lbs.)	
Cement type TILOET	
uantity of bentonite used (lbs.)	
uantity of calcium chloride used (lbs.)	1 . 7 KI I
olume of grout prepared (gal.)	
olume of grout used (gal.)	
OMMENTS: FILM WALL WARRENT SILL	
	Sketch in all relevant decommissioning data, including:
ONTE FLANDO / TOPPED OFF W/ JEN)	interval overdrilled, interval grouted, casing left in hole,

**Drilling Contractor** 

Department Representative

well stickup, etc.

Site Name: MACHIAS GRAVEL PIT	Well I.D.: A 5 31
Site Location: VERY ROAD, MACHIAS NY	Driller:
Drilling Co.: BUFFALO DRILLING	Inspector: JASON LACASSE
	Date: 10-30-01
	OVER 20211 10-31-01
DECOMMISSIONING DATA	
(Fill in all that apply)	Depth BACK GA
OVERDRILLING	Depth BACK (1)
Interval Drilled	
Rosehola Dia (im)	\(\delta - \)
Temporary Casing Installed? (y/n)	3- FRAT
Depth temporary casing installed	4-
Casing type/dia. (in.)	- s ave
Method of installing	5 DRIV
CASING PULLING	8
Method employed Casing retrieved (feet)	
Casing type/dia. (in)	
coming typerata. (III)	
CASING PERFORATING	
Equipment used	-
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	— <del> </del>
# of batches prepared	-
For each batch record:	-
Quantity of water used (gal.)	
Quantity of cement used (lbs.)	
Cement type	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.) Volume of grout prepared (gal.)	
\$7-1C	4 [ ]
volume of grout used (gal.)	
COMMENTS: FILED well Till over Flower wigrout	4.Complete No.
TOP OFF WELL IN GROW	* Sketch in all relevant decommissioning data, including:
THE WELL WITHOUT	interval overdrilled, interval grouted, casing left in hole,
	well stickup, etc.

**Drilling Contractor** 

	<b></b>
Site Name: MACHIAS GRAVEL PIT	Well I.D.: A5 30
Site Location: VERY ROAD, MACHIAS NY	Driller:
Drilling Co.: BUFFALO DRILLING	Inspector: JASON LACASSE
	Date: 10-30-01
	ONSE OR:1) 10-31-01
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth
<u>OVERDRILLI</u> NG	(feet)
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	2 —
Temporary Casing Installed? (y/n)	3 arm
Depth temporary casing installed	4-
Casing type/dia. (in.)	-5 Over
Method of installing	over or or
GA GD VG DVW V D VG	Y. T   S   "
CASING PULLING	
Method employed Casing retrieved (feet)	
Casing type/dia. (in)	
(m)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
nterval perforated	
ROUTING	
nterval grouted (FBLS)	
of batches prepared	
or each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (lbs.)	
Cement type	
Quantity of bentonite used (lbs.)	
uantity of calcium chloride used (lbs.)	
olume of grout prepared (gal.)	
olume of grout used (gal.)	]
OMMENTS: Ciled Til well over slower all gent	
TOOST OFF W 2800	Sketch in all relevant decommissioning data, including:
Tuggor of wy gran	interval overdrilled, interval grouted, casing left in hole,
	well stickup, etc.

Drilling Contractor

#### WELL DECOMMISSIONING RECORD NYSDEC NPL Sites Site Name: GRAVEL PIT MACHIAS Well I.D.: VW-10 Site Location: VERY ROAD. MACHIAS NY Driller: Drilling Co.: BUFFALO DRILLING Inspector: JASON LACASSE 10-30-01 Date: OVER DRI 1/10-31-01 **DECOMMISSIONING DATA** WELL SCHEMATIC\* BACKFI (Fill in all that apply) Depth 001 (feet) **OVERDRILLING** Interval Drilled grovi Drilling Method(s) Borehole Dia. (in.) Temporary Casing Installed? (y/n) Depth temporary casing installed oven Casing type/dia. (in.) nui/ Method of installing CASING PULLING Method employed Casing retrieved (feet) Casing type/dia. (in) CASING PERFORATING Equipment used Number of perforations/foot Size of perforations Interval perforated GROUTING Interval grouted (FBLS) # of batches prepared For each batch record: Quantity of water used (gal.) Quantity of cement used (lbs.) Cement type Quantity of bentonite used (lbs.) Quantity of calcium chloride used (lbs.) Volume of grout prepared (gal.) Volume of grout used (gal.) WELL OVER FLOWED Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole,

**Drilling Contractor** 

Department Representative

well stickup, etc.

#### WELL DECOMMISSIONING RECORD NYSDEC NPL Sites Site Name: MACHIAS GRAVEL PIT A5-74 Well I.D.: Site Location: VERY ROAD MACHIAS NY Driller: Drilling Co.: BUFFALO DRILLING Inspector: JASON LACASSE Date: 10-30-01 UVUR DRII 10-31-0 **DECOMMISSIONING DATA** (Fill in all that apply) BACK Depth (feet) **OVERDRILLING** Interval Drilled Drilling Method(s) Borehole Dia. (in.) Temporary Casing Installed? (y/n) Depth temporary casing installed Casing type/dia. (in.) Method of installing **CASING PULLING** Method employed Casing retrieved (feet) Casing type/dia. (in) CASING PERFORATING Equipment used Number of perforations/foot Size of perforations Interval perforated GROUTING Interval grouted (FBLS) # of batches prepared For each batch record: Quantity of water used (gal.) Quantity of cement used (lbs.) Cement type Quantity of bentonite used (lbs.) Quantity of calcium chloride used (lbs.) Volume of grout prepared (gal.) Volume of grout used (gal.) WEll OVER Flower COMMENTS: Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

**Drilling Contractor** 

Site Name: MACHIAS GRAVEL DIT	
OL T	Well I.D.: VW 5
THOMAS NI	Driller:
Drilling Co.: BUFFALO DRILLING	Inspector: JASON LACASSE
	Date: $10-30$ $\sim 0.0$
DECOMMISSIONING DATA	apr prill 10-31-01
(Fill in all that apply)	WELL SCHEMATIC* BACK
(2 in in an allat appry)	
OVERDRILLING	(feet) bag
Interval Drilled 547	
Drilling Method(s)	(-)
Borehole Dia. (in.)	gran gran
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	- OVOR
Casing type/dia. (in.)  Method of installing	DR1/
iviculou of instanting	
CASING PULLING	8-
Method employed	9-
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)  Quantity of cement used (lbs.)  376	
Cament type	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)  45	
Volume of grout used (gal.)	
COMMENTS: FILED WELL TILL OVUE FlOWED W	
post specifical Company of	* Sketch in all relevant decommissioning data, including:
The state of the s	interval overdrilled, interval grouted, easing left in hole,
Machan a region of adia among the Constant	vell stickup, etc.
THE STATE OF THE PARTY OF THE P	T .

#### WELL DECOMMISSIONING RECORD NYSDEC NPL Sites Site Name: MACHIAS GRAVEL PIT Well I.D.: Site Location: VERY ROAD. NY MACHIAS Driller: Drilling Co.: BUFFALO DRILLING Inspector: JASON LACASSE Date: OVOR DRI **DECOMMISSIONING DATA** BACKK 11 (Fill in all that apply) Depth (feet) **OVERDRILLING** Interval Drilled Drilling Method(s) gra 201 Borehole Dia. (in.) Q 3 Temporary Casing Installed? (v/n) Depth temporary casing installed OUM. Casing type/dia. (in.) DRI/ 6 Method of installing CASING PULLING Method employed Casing retrieved (feet) Casing type/dia. (in) CASING PERFORATING Equipment used Number of perforations/foot Size of perforations Interval perforated GROUTING Interval grouted (FBLS) # of batches prepared 6 For each batch record: Quantity of water used (gal.) Quantity of cement used (lbs.) 76 Cement type Quantity of bentonite used (lbs.) Quantity of calcium chloride used (lbs.) Volume of grout prepared (gal.) Volume of grout used (gal.)

GROVI - TOPPON OPP W/ GROVI

 Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

**Drilling Contractor** 

Site Name: MACHIAS GRAVEL PIT	Well I.D.: AS 1d
Site Location: VERY ROAD, MACHIAS NY	Driller:
Drilling Co.: BUFFALO DRILLING	Inspector: JASON LACASSE
	Date: 10-30-01
	MER DRITT 10-31-01
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth
<u>OVERDRILLI</u> NG	(feet)
Interval Drilled	-a-
Drilling Method(s)	1- gru
Borehole Dia. (in.)	15 - J J Rew
Temporary Casing Installed? (y/n)	3 -  2
Depth temporary casing installed	- our
Casing type/dia. (in.)	-5- Z 42//
Method of installing N/A	
GA GD TO THE TOTAL OF THE TOTAL	7 7 7
CASING PULLING	
Method employed  Casing retrieved (feet)	
Casing type/dia. (in)	
casing type dia. (iii)	
CASING PERFORATING	
Equipment used	-
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
nterval grouted (FBLS)	
of batches prepared 6	
For each batch record:	
Quantity of water used (gal.)	-
Quantity of cement used (lbs.)	
Cement type Tupe	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	
COMPANIES CILIAGO III SIII	
COMMENTS: FILLED WELL THOUSE	* Sketch in all refevant decommissioning data, including:
MAILOUI - TO TO VOKE IN SPONT	interval overdrilled, interval grouted, casing left in hole,
	well stickup, etc.

	·
Site Name: MACHIAS GRAVEL PIT	Well I.D.: 45 6
Site Location: VERY ROAD, MACHIAS NY	Driller:
Drilling Co.: BUFFALO DRILLING	Inspector: JASON LACASSE
	Date: 10~80~01
	Drup pr41/10-3/-01
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Denth 817th
	(feet)
OVERDRILLING	6 0'
Interval Drilled 5 Fr	
Drilling Method(s)	2 group
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	3
Depth temporary casing installed	4 S avor
Casing type/dia. (in.)	J Dei
Method of installing Ni A	
a. an	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
nterval perforated	
BROUTING	
nterval grouted (FBLS)	
of batches prepared	
or each batch record:	
uantity of water used (gal.)	
Quantity of cement used (lbs.)	
Sement type Type 1	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
olume of grout prepared (gal.)	
olume of grout used (gal.) 7 457	1 3 1
COMMENTS: FILLED WELL Till OVER FLOWED WYOU	Coul * Sketch in all relevant decommissioning data, including:
HOPED OFF W/GRONT	interval overdrilled, interval grouted, casing left in hole,
11	well stickup, etc.
	men suckup, etc.

Drilling Contractor

	·
Site Name: MACHIAS GRAVEL PIT	Well I.D.: VW
Site Location: YERY ROAD, MACHIAS NY	Driller:
Drilling Co.: BUFFALO DRILLING	Inspector: JASON LACASSE
	Date: (0-30-01
	WAC DO!!! 10-31-01
<b>DECOMMISSIONING DATA</b>	WELL SCHEMATIC*
(Fill in all that apply)	Depth BAKRI
OVERDRILLING	(feet)
Interval Drilled	
Drilling Method(s)	15' AROUT
Borehole Dia. (in.)	2 1.5' AROUT
Temporary Casing Installed? (y/n)	3-1  2
Depth temporary casing installed	g- S over
Casing type/dia. (in.)	DRILL
Method of installing	6-
	7
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	<b>→</b>  >
Number of perforations/foot	
Size of perforations	
Interval perforated	<b>-</b>
	7
GROUTING	]
Interval grouted (FBLS)	
# of batches prepared	
For each batch record:	_
Quantity of water used (gal.)  Quantity of cement used (lbs.)	<b>→</b>  >
Cement type	
Quantity of bentonite used (lbs.)	4 151 1
Quantity of calcium chloride used (lbs.)	-
Volume of grout prepared (gal.)	· -
Volume of grout used (gal.)  FT-18 EZT	-   2   1
COMMENTS: FILED TILL WALL OVER FLOWERD	* Sketch in all relevant decommissioning data, including:
W/ growt - TOPRED OF WELL W/ 2RIST	interval overdrilled, interval grouted, casing left in hole,
10 Plant of June 1	well stickup, etc.
	non shokup, etc.

Drilling Contractor

Site Name: MACHIAS GRAVEL PIT	Well I.D.: AS 7
Site Location: VERY ROAD, MACHIAS NY	Driller:
Drilling Co.: BUFFALO DRILLING	Inspector: JASON LACASSE
	Date: $(0-30-0)$
DECOM ASSIGNATION DATA	OVUTE OPEIL 10-31-01
DECOMMISSIONING DATA (Fill in all that apply)	WELL SCHEMATIC*
(Tirm an mat appry)	Depth Brek
OVERDRILLING	(feet)
Interval Drilled	i
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	3-1
Depth temporary casing installed	4- 4.5 grave
Casing type/dia. (in.)	
Method of installing	3
CASING PULLING	5   54
Method employed	
Casing retrieved (feet)	10-
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations Interval perforated	
incival periorated	
GROUTING	
nterval grouted (FBLS)	
of batches prepared	
For each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (lbs.)	
Cement type	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.) Volume of grout prepared (gal.)	
/olymp of grout used (col)	
Fig.	
COMMENTS: FILED WITH TILL OVER FLOWED W/	A Clean to all the
GRO JI- TUANTO OPE NI LACAS	Sketch in all refevant decommissioning data, including:
1 The state of the	interval overdrilled, interval grouted, casing left in hole,
	well stickup, etc.

Drilling Contractor

Site Name: MACHIAS GRAVEL PIT	Well I.D.: A 5 B
Site Location: YERY ROAD, MACHIAS NY	Driller:
Drilling Co.: BUFFALO DRILLING	Inspector: JASON LACASSE
	Detail
	Date: 10-30-01
DECOMMISSIONING DATA	WELL COLLEGE
(Fill in all that apply)	Depth (feet)
OVERDED TO LO	(feet)
OVERDRILLING	
Interval Drilled 5 FT	1 - 0.5' - gen;
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	S avera
Casing type/dia. (in.)	Source ORi
Method of installing	
CASING DUILTING	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
CASING PULLING Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
Julia (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	
of batches prepared	
For each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (lbs.)	
Cement type	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	
COMMENTS: FIND WELL TILLOVOR FLOWER	Sketch in all relevant decommissioning data, including:
N/ GROVT TOPPODOFF WILL WEREOUT	interval overdrilled, interval grouted, casing left in hole,
10 //	well stickup, etc.

	<b></b>
Site Name: MACHIAS GRAVEL PIT	Well I.D.: AS 1
Site Location: VERY ROAD, MACHIAS NY	Driller:
Drilling Co.: BUFFALO DRILLING	Inspector: JASON LACASSE
	Date: (0-30-01 OVERDRI 11 10-31-01
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth BACK-H
OVERDRILLING	(feet) TO 0'
Interval Drilled	
Drilling Method(s)	1
Borehole Dia. (in.)	2 -
Temporary Casing Installed? (y/n)	3 -
Depth temporary casing installed	4.5' + gRout
Casing type/dia. (in.)	over
Method of installing	6- 302,
CASING PULLING	[ ]
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
ASING PERFORATING	
Equipment used	
Sumber of perforations/foot	
nterval perforated	
mervar periorated	
ROUTING	-
nterval grouted (FBLS)	
of batches prepared	-
or each batch record:	<del>-</del>
uantity of water used (gal.)	
uantity of cement used (lbs.)	
ement type	
uantity of bentonite used (lbs.)	
uantity of calcium chloride used (lbs.) olume of grout prepared (gal.)	
olume of grout used (gal.)	
gail)	
OMMENTS: CITY BY WITH TILL OM FLOW	,-
The state of the s	Sketch in all relevant decommissioning data, including:
1000 10pps of wy gross	interval overdriiled, interval grouted, casing left in hole,
	well stickup, etc.

**Drilling Contractor** 

	<b></b>
Site Name: MACHIAS GRAVEL PIT	Well I.D.: VW 2
Site Location: VERY ROAD, MACHIAS NY	Driller:
Drilling Co.: BUFFALO DRILLING	Inspector: JASON LACASSE
	Determine
	0/m2 0r1/1 /12-31-01
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth BACK FI
OVERDRILLING	(feet)
Interval Drilled 5 FT	
Drilling Method(s)	*-
Borehole Dia. (in.)	4   1
Temporary Casing Installed? (y/n)	3-
Depth temporary casing installed	5 451 = JROUT
Casing type/dia. (in.)	6 Source
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
Manual Control of the	
CASING PERFORATING	
Equipment used  Further of perforations/foot	
size of perforations	
nterval perforated	
[ <del>* / /</del>	
ROUTING	
nterval grouted (FBLS)	
of batches prepared	
or each batch record:	
tuantity of water used (gal.)	
ement type	
uantity of bentonite used (lbs.)	
uantity of calcium chloride used (lbs.)	
olume of grout prepared (gal.)	
olume of grout used (gal.)	
1.11115/	
OMMENTS: FILLED WILL TILL OF WE FLOWED	Sketch in all calayant days
W/ GRUT-TODOSO OFF N/ARA)	* Sketch in all relevant decommissioning data, including:
10	interval overdriffed, interval grouted, casing left in hote, well stickup, etc.
	on savkap, etc.
	:

Drilling Contractor

Site Name: MACHIAS GRAVEL PIT	Well I.D.: A-S 2
Site Location: VERY ROAD, MACHIAS NY	Driller:
Drilling Co.: BUFFALO DRILLING	Inspector: JASON LACASSE
	Date: 10-30-01
DECOMMESSION TO LONG.	OVER OR! 11 10-31-01
DECOMMISSIONING DATA (Fill in all that apply)	Depth WELL SCHEMATIC* BACK,
(The first diac apply)	
OVERDRILLING	(feet)
Interval Drilled 5 FT	
Drilling Method(s)	'-
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	3 -
Depth temporary casing installed  Casing type/dia. (in.)	1 - 5 4.51 - Jean,
Method of installing	6- Sorm
LNIA_	7-1
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
nterval perforated	
GROUTING	
nterval grouted (FBLS)	
of batches prepared	
or each batch record:	
uantity of water used (gal.)	
Quantity of cement used (lbs.)	<b>→ ♦</b>
Cement type	
uantity of bentonite used (lbs.)	
clume of calcium chloride used (lbs.)	
olume of grout prepared (gal.) olume of grout used (gal.)	
FEST	
OMMENTS: FILM WARDY TILL ONG FLOONED	
Upper OFF W/1200 - TUDDED LEK	* Sketch in all relevant decommissioning data, including:
VILL CINK TO THE TOTAL TO THE TOTAL	interval overdrilled, interval grouted, casing left in hole,
W/ 9-01	well stickup, etc.

Drilling Contractor

Drilling Contractor

Site Name: MACHIAS GRAVEL PIT	Well I.D.: VW1 3
Site Location: VERY ROAD, MACHIAS NY	Driller:
Drilling Co.: BUFFALO DRILLING	Inspector: JASON LACASSE
	Date: 10-30-01
DECO) A GOGLOVINIO DATA	DUDE DAI/ 10-31-01
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth
<u>OVERDRILLING</u>	(feet)
Interval Drilled 5-F	0.5
Drilling Method(s)	1- 0.5 Dear
Borehole Dia. (in.)	2-1 3
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	9 - Over
Casing type/dia. (in.)	-5- (DE)
Method of installing	
CASDIC DUIL DIC	
CASING PULLING Method employed	9
Casing retrieved (feet)	10-10-12
Casing type/dia. (in)	
g opportunit (m)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated TV/T/	
GROUTING	
Interval grouted (FBLS)	
# of batches prepared	7 🗡
For each batch record:	
Quantity of water used (gal.)	7 2
Quantity of cement used (lbs.)	7   3
Cement type	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout used (gal.)	_
Volume of grout used (gal.)  16-17 F17	
COMMENTS: FILM WILLOWK TILL WELL	
The state of the s	Sketch in all relevant decommissioning data, including:
OVER FLOWED 16-12 gall of glove from	interval overdrilled, interval grouted, casing left in hole,
BARCH I MANNOBATION TUPPOD OFK	well stickup, etc.
W/aru)	

Site Location: VERY ROAD, MACHIAS NY	
	Driller:
Drilling Co.: BUFFALO DRILLING	Inspector: JASON LACASSE
	Date: $10 - 30 - 61$
	OVERORII 10-31-0)
DECOMMISSIONING DATA	WELL SCHEMATIC*  Depth  Brick
(Fill in all that apply)	
OVERDRILLING	(feet)
Interval Drilled 5F7	
Drilling Method(s)	(-
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	37
Depth temporary casing installed	4- 4.0' 3RUL
Casing type/dia. (in.)	2 Our
Method of installing	
CASDIC DULL DIO	
CASING PULLING Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
<del></del>	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	7
Quantity of cement used (lbs.) 376	
Cement type	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.) Volume of grout used (gal.)	<u> </u>
Volume of grout used (gal.) 7 F57	
COMMENTS: WELL FILED W/GROVI TILL	Sketch in all relevant decommissioning data, including:
GVOR FLOWED - TOPRODO FA W/AROVI	interval overdrilled, interval grouted, casing left in hole,
11 77	well stickup, etc.
	non onexup, etc.

Drilling Contractor

S'- N	
Site Name: MACHIAS GRAVEL PIT	Well I.D.: A 5
Site Location: VERY ROAD, MACHIAS NY	Driller:
Drilling Co.: BUFFALO DRILLING	Inspector: JASON LACASSE
	Date: 10-30-01
	ONSE-DRILL 10-31-01
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth BACK CI'I
OVERDRILLING	(feet) 700'
Interval Drilled	grunt I
Drilling Method(s)	1 - 3
Borehole Dia. (in.)	2 -
Temporary Casing Installed? (y/n)	3 -
Depth temporary casing installed	4- Over
Casing type/dia. (in.)	-5- DR;
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet) Casing type/dia. (in)	
Casing type dia. (iii)	
CASING PERFORATING	
Equipment used	-   >
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	
# of hatches prepared	
For each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (lbs.)	-
Cement type	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	
COLO UTATES	
COMMENTS: 121 00 W grat Till over	* Sketch in all relevant decommissioning data, including:
+ lowsn - reproof N/ flows	interval overdrilled, interval grouted, casing left in hole,
y	well stickup, etc.
	· · · · · · · · · · · · · · · · · · ·

Drilling Contractor

	<b>-</b>
Site Name: MACHIAS GRAVEL PIT	Well I.D.: A 5 1 0
Site Location: VERY ROAD, MACHIAS NY	Driller:
Drilling Co.: BUFFALO DRILLING	Inspector: JASON LACASSE
	Date: (0-30-01
	OVER DRIVI 10-31-01
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth BAGG!
(c	77.
OVERDRILLING	(feet) O' ARISON
Interval Drilled	-0- m
Drilling Method(s)	'-   5
Borehole Dia. (in.)	1 2-1  5
Temporary Casing Installed? (y/n)	3-
Depth temporary casing installed	1 4-1 1/1
	1 ——5 <u>—</u>
Casing type/dia. (in.)	$a \rightarrow 17$
Method of installing	151
CASDIC DITTING	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
CASING PULLING Method employed	
Casing retrieved (feet)	'-   /
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
- · · · · · · · · · · · · · · · · · · ·	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	
" 01	
For each batch record:	
Quantity of water used (gal.)	
Cement type  Type 1	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.) 7 637	
	<del></del>
COMMENTS: IT I'M WILL W/ GROWT TILL OVER	* Sketch in all relevant decommissioning data, including:
flower - moore of wheely	interval overdrilled, interval grouted, casing left in hole,
/ / / /	well stickup, etc.

**Drilling Contractor** 

Site Name: MACHIAS GRAVEL PIT	Well I.D.: A 5 15
Site Location: VERY ROAD, MACHIAS NY	Driller:
Drilling Co.: BUFFALO DRILLING	Inspector: JASON LACASSE
·	Date: 10-30-01
	OVEROR! 11 10-31-01
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth
<b>OVERDRILL</b> ING	(feet)
Interval Drilled Drilling Method(s) Borehole Dia. (in.) Temporary Casing Installed? (y/n)  JA	
Depth temporary casing installed  Casing type/dia. (in.)  Method of installing	5 Servin
CASING PULLING Method employed Casing retrieved (feet) Casing type/dia. (in)	7- 8- 0- 0-
Equipment used Number of perforations/foot Size of perforated Interval perforated	
GROUTING Interval grouted (FBLS) # of batches prepared For each batch record: Quantity of water used (gal.)  3	
Quantity of water used (gal.)  Quantity of cement used (lbs.)  Cement type  Quantity of bentonite used (lbs.)  Quantity of calcium chloride used (lbs.)  Volume of grout prepared (gal.)  Volume of grout used (gal.)	
COMMENTS: FILID WELL WIGGEST TILL OVER PLAND - TOPPED OFF My green.	* Sketch in all relevant decommissioning data, including: interval overdriffed, interval grouted, casing left in hole, well stickup, etc.

Site Name: MACHIAS GRAVEL PIT	Well I.D.: VW7
Site Location: VERY ROAD, MACHIAS NY	Driller:
1.4.0.117.3	
Drilling Co.: BUFFALO DRILLING	Inspector: JASON LACASSE
	Date: (0 - 30-0)
DECOMMISSIONING DATA	OVERORI // 10-31-01 WELL SCHEMATIC*
(Fill in all that apply)	Depth BACK
(a in the anal apply)	(feet)
OVERDRILLING	
Interval Drilled 5 Fr	2Rur
Drilling Method(s) H.S.A.	2 700
Borehole Dia. (in.)	2 3
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	over 1/
Casing type/dia. (in.)	3-
Method of installing	
CASING PULLING	8-
Method employed	1 9-1 2 1
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (lbs.)	
Cement type Typ-1	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.) 17-19 GT	]]
COMMENTS: CALL A. C.	<u> </u>
COMMENTS: FIN WOLL TILL OVORFLOWED W	Sketch in all relevant decommissioning data, including:
grown - 10 pp 00 OFF N/gRows	interval overdrilled, interval grouted, casing left in hole,
· V	well stickup, etc.

Drilling Contractor

**Drilling Contractor** 

	•
Site Name: MACHIAS GRAVEL PIT	Well I.D.: A 5 1 4
Site Location: VERY ROAD, MACHIAS NY	Driller:
Drilling Co.: BUFFALO DRILLING	Inspector: JASON LACASSE
	Date: 10-30-61
	AVERDRILL 11-1-01
DECOMMISSIONING DATA	
(Fill in all that apply)	Depth (feet) WELL SCHEMATIC*
OVERDRILLING	(feet)
Interval Drilled	
Drilling Method(s)	1- 1.0' - 2Roup
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	3-1 2
Depth temporary casing installed	4- Sover
Casing type/dia. (in.)	De,
Method of installing	
	7-1  >
CASING PULLING /	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	$\dashv$ $\mid$ $\nearrow$
Number of perforations/foot	
Size of perforations	
Interval perforated	
	7
GROUTING	
Interval grouted (FBLS)	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (lbs.)	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	<del>- </del>
Volume of grout prepared (gal.)	
	<b>→</b>
volume of grout used (gal.) 7 37	
COMMENTS: WON 61/00 W/ grout till OUR	• Chatch in all reference !
	Sketch in all relevant decommissioning data, including:
MOUNT)-TOPPED OF WIGHT	interval overdrifted, interval grouted, casing left in hole,
	well stickup, etc.

#### WELL DECOMMISSIONING RECORD NYSDEC NPL Sites Site Name: MACHIAS GRAVEL PIT Well I.D.: Site Location: VERY ROAD, MACHIAS NY Driller: Drilling Co.: BUFFALO DRILLING Inspector: JASON LACASSE Date: 10-30-01 UVER DRILL 11-1-01 **DECOMMISSIONING DATA** WELL SCHEMATIC\* BARRIL (Fill in all that apply) Depth (feet) **OVERDRILLING** Interval Drilled Drilling Method(s) 1.0' grow) Borehole Dia. (in.) Temporary Casing Installed? (v/n) Depth temporary casing installed Casing type/dia. (in.) DR1/1 Method of installing CASING PULLING Method employed Casing retrieved (feet) Casing type/dia. (in) CASING PERFORATING Equipment used Number of perforations/foot Size of perforations Interval perforated GROUTING Interval grouted (FBLS) # of batches prepared For each batch record: Quantity of water used (gal.) Quantity of cement used (lbs.) 346 Cement type Quantity of bentonite used (lbs.) Quantity of calcium chloride used (lbs.) Volume of grout prepared (gal.) Volume of grout used (gal.) COMMENTS: 1100 W GROVE TO WOVER Flower \* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Drilling Contractor

Site Name: MACHIAS GRAVEL PIT	Well I.D.: VW &
Site Location: VERY ROAD, MACHIAS NY	Driller:
Drilling Co.: BUFFALO DRILLING	Inspector: JASON LACASSE
	Date: 10-30-01
	OVERDRILL 11-1-01
DECOMMISSIONING DATA	WELL SCHEMATIC*  Back
(Fill in all that apply)	Depui ~ Q'
OVERDRILLING	(feet)
Interval Drilled 5 F-	
Drilling Method(s)	1- 10' grev;
Borehole Dia. (in.)	\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \
Temporary Casing Installed? (y/n)	
Depth temporary casing installed WIA	over
Casing type/dia. (in.)	ORI
Method of installing N/A	57
	7 <sub>c</sub> ]
CASING PULLING	
Method employed	
Casing retrieved (feet) Casing type/dia. (in)	
Casing type/dia. (iii)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (lbs.)	
Cement type TUOET	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	J J
COMMENTS: FINDY WELL WIGHOUT TILL	# Shatab in all relevant
non domination addition	• Sketch in all relevant decommissioning data, including:
OVERTIONS OF TOPPOST OF WITH WITHOUT	interval overdrilled, interval grouted, easing left in hote,
/ /	well stickup, etc.

**Drilling Contractor** 

	·
Site Name: MACHIAS GRAVEL PIT	Well I.D.: 14 5 4
Site Location: VERY ROAD, MACHIAS NY	Driller:
Drilling Co.: BUFFALO DRILLING	Inspector: JASON LACASSE
	Date: 10-30.01
	OUNE ORI) 11-1-01
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth PALKANU
OVERDRILL DIC	(reet)
OVERDRILLING Interval Drilled  5	
Drilling Method(s)  H S H.	
Borehole Dia. (in.)	7 20' - JRUT
Temporary Casing Installed? (y/n)	3- 2
Depth temporary casing installed N/A	- orer
Casing type/dia. (in.)	- 5 - CRI/
Method of installing	
CASING PULLING	
Method employed  Casing retrieved (feet)	
Casing retrieved (reer)  Casing type/dia. (in)	
Casing type dia. (iii)	<del> </del>
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
<u>GROUTING</u>	
Interval grouted (FBLS)	
# of batches prepared 9	
For each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (lbs.) 376	
Cement type	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)  Volume of grout used (gal.)  7 557	
Volume of grout used (gal.) 7 EZT	
COMMENTS: FILM WELL W/ GLOVE 711	A Sheet in all of
	* Sketch in all relevant decommissioning data, including:
COURT POWED - TOPPED OFF W/ GROVI	interval overdrilled, interval grouted, casing left in hole,
, , , , , , , , , , , , , , , , , , ,	welf stickup, etc.
	· · · · · · · · · · · · · · · · · · ·

	<del></del>
Site Name: MACHIAS GRAVEL PIT	Well I.D.: VW 4
Site Location: YERY ROAD, MACHIAS NY	Driller:
Drilling Co.: BUFFALO DRILLING	Inspector: JASON LACASSE
	Date: $(0 - 30 - 01)$
	DUER DRIVED 11-1-01
DECOMMISSIONING DATA	WELL SCHEMATIC* BACKET
(Fill in all that apply)	Depun / ro o
OVERDRILLING	(feet)
Interval Drilled 5 FT	o
Drilling Method(s)	· -
Borehole Dia. (in.)	3 -
Temporary Casing Installed? (y/n)	3- 3- 2-ROUN
Depth temporary casing installed	4- Bavon
Casing type/dia. (in.)	7
Method of installing	
· · · · · · · · · · · · · · · · · · ·	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	
# of batches prepared 9	
For each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (lbs.) 376	
Cement type	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	
	<b>-</b>
COMMENTS: FINEN woll w/ g POUT 1711 OUCH	
Yours Toposof W/grewi	interval overdrilled, interval grouted, casing left in hole,
	well stickup, etc.

#### NYSDEC NPL Sites Site Name: MACHIAS GRAVEL PIT Well I.D.: Site Location: VERY ROAD MACHIAS NY Driller: Drilling Co.: BUFFALO DRILLING Inspector: JASON LACASSE Date: -30-07 OUNCOR, 11 11-1-01 **DECOMMISSIONING DATA** WELL SCHEMATIC\* (Fill in all that apply) Depth (feet) OVERDRILLING Interval Drilled Drilling Method(s) Borehole Dia. (in.) 2.5 Temporary Casing Installed? (y/n) Depth temporary casing installed Casing type/dia. (in.) Method of installing CASING PULLING Method employed Casing retrieved (feet) Casing type/dia. (in) CASING PERFORATING Equipment used Number of perforations/foot Size of perforations Interval perforated GROUTING Interval grouted (FBLS) # of batches prepared For each batch record: Quantity of water used (gal.) Quantity of cement used (lbs.) Cement type Quantity of bentonite used (lbs.) Quantity of calcium chloride used (lbs.) Volume of grout prepared (gal.) Volume of grout used (gal.) COMMENTS: MAS BLOCKAGE ABOUT \* Sketch in all relevant decommissioning data, including: Poster gear DINN WELL INBUCKET - TO PARO OF interval overdrilled, interval grouted, casing left in hole, World well stickup, etc. **Drilling Contractor**

WELL DECOMMISSIONING RECORD

**Drilling Contractor** 

Site Name: MACHIAS GRAVEL PIT	Well I.D.: AS 35
Site Location: VERY ROAD, MACHIAS NY	Driller:
THE TOTAL MANIES IN	
Drilling Co.: BUFFALO DRILLING	Inspector: JASON LACASSE
	Date: $10 - 30 - 01$
DECOMMISSIONING DATA	ON P DE 11 11-01-01
(Fill in all that apply)	WELL SCHEMATIC* Depth またといり
(2 in in an apply)	(feet)
OVERDRILLING	
Interval Drilled 5 Fr	Pisore
Drilling Method(s)	1-1-1-15
Borehole Dia. (in.)	3-1
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	over heil
Method of installing	
CASIDIC DUT I DIG	7
CASING PULLING Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
Jump type and (m)	<b>-</b> -
CASING PERFORATING	
Equipment used	<b>-</b>
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	
# of batches prepared	-  <
For each batch record:	-
Quantity of water used (gal.)	-
Quantity of cement used (lbs.)	
Cement type The The	
Quantity of bentonite used (lbs.)	7
Quantity of calcium chloride used (lbs.)	. ] 51
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	
COMMENTS: FITTILL WILL ON YE FLOWED	
	Sketch in all relevant decommissioning data, including:
WIGROUT TOPPE OFF W/ JRW.	interval overdrilled, interval grouted, casing left in hole,
	well stickup, etc.

Site Name: MACHIAS GRAVEL PIT	Well I.D.: VWIL
Site Location: VERY ROAD, MACHIAS NY	Driller:
Drilling Co.: BUFFALO DRILLING	Inspector: JASON LACASSE
•	Date: (0-30-01
	ONOR URIN 11-01-01
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth (feet)
	(feet)
OVERDRILLING	
Interval Drilled 5F	1.0' 3 gran
Drilling Method(s)	1.0 \$ gran
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	- 5 over
Casing type/dia. (in.)	PRIL
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	
of batches prepared	
For each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (lbs.)	
Cement type Type 1	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	
	·-
COMMENTS: Fill w/ growT till over	* Sketch in all relevant decommissioning data, including:
FLOWIN - TOPPET OFF W/ gravi	interval overdrilled, interval grouted, casing left in hole,
/ /	well stickup, etc.

Site Name: MACHIAS GRAVEL PIT	Well I.D.: AS 39
Site Location: VERY ROAD, MACHIAS NY	Driller:
Drilling Co.: BUFFALO DRILLING	Inspector: JASON LACASSE
	Date: 10-30-01
	OUNR DR17/ 11-1-01
DECOMMISSIONING DATA	WELL SCHEMATICS
(Fill in all that apply)	Depth (feet)
OVERDRILLING	(feet)
Interval Drilled	
Drilling Method(s)	1- 1.0' - group
Borehole Dia. (in.)	2- 5 "
Temporary Casing Installed? (y/n)	3-1
Depth temporary casing installed	7-1
Casing type/dia. (in.)	6- ONIR
Method of installing	\$7
CASING PULLING	
Method employed	
Casing retrieved (feet)	io
Casing type/dia. (in)	
CASING PERFORATING Equipment used	
Number of perforations/foot	
Size of perforations	
interval perforated	
GROUTING	
nterval grouted (FBLS)	
of batches prepared	
or each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (lbs.)	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
olume of grout used (gal.)	
7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	
COMMENTS: FILL WIGGERY TILL WELL OVER	Sketch in all mlayars &
Plonon-TOPPS ARE W/ 9 PONT	Sketch in all relevant decommissioning data, including:  interval overdeithed income.
The same of the sa	interval overdrilled, interval grouted, casing left in hole, well stickup, etc.
	ноп зискир, есс.

**Drilling Contractor** 

	<b></b>
Site Name: MACHIAS GRAVEL PIT	Well I.D.: VW 16
Site Location: VERY ROAD, MACHIAS NY	Driller:
Drilling Co.: BUFFALO DRILLING	Inspector: JASON LACASSE
	Date: 10 30-01
	ONE DRIV 11-01-01
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth
<u>OVERD</u> RILLING	(feet)
Interval Drilled 6FC	
Drilling Method(s)  H. S.A.	geni
Borehole Dia. (in.)	3 5 1
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	- 3 - over
Method of installing	\$ DR.11
CASING PULLING	8
Method employed	$  \hat{q} \rightarrow   $
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations nterval perforated	
interval periorated	
GROUTING	
nterval grouted (FBLS)	
of batches prepared	
or each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (lbs.)	
Cement type	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.) Volume of grout used (gal.)	-
ordine of grout used (gal.)	
COMMENTS: FILL WELL WI GROUT TILL OVER FLOWER	• Charles in all
TOROGO OFF UNG O HISTORY Flower	* Sketch in all relevant decommissioning data, including:
1-11 War al al cont	interval overdrilled, interval grouted, casing left in hole,
	well stickup, etc.

Site Name: MACHIAS GRAVEL PIT	Well I.D.: A 5 38					
Site Location: YERY ROAD, MACHIAS NY	Driller:					
Drilling Co.: BUFFALO DRILLING	Inspector: JASON LACASSE					
	Date: [0-30-0]					
DECOMMISSIONING DATA	WELL SCHEMATIC* BACK P					
(Fill in all that apply)	Depth					
OVEDDBILL DIG	(feet)					
OVERDRILLING						
Interval Drilled  547						
Drilling Method(s)	d - 1					
Borehole Dia. (in.)  Temporary Casing Installed? (y/n)	3 200,					
Depth temporary casing installed	4-					
Casing type/dia. (in.)	-5- sion					
Method of installing	6 - ORIL					
Notice of manning	7-					
CASING PULLING	8-15					
Method employed	9-1					
Casing retrieved (feet)						
Casing type/dia. (in)						
SASING DEDECT ATTIC						
CASING PERFORATING Equipment used						
Tumber of perforations/foot						
lize of perforations						
nterval perforated						
ROUTING						
nterval grouted (FBLS)						
of batches prepared /ð						
or each batch record:						
uantity of water used (gal.) uantity of cement used (lbs.)						
, , , , , , , , , , , , , , , , , , , ,						
tuantity of bentonite used (lbs.)						
uantity of calcium chloride used (lbs.)						
, , , , , , , , , , , , , , , , , , ,						
olume of grout prepared (gal.)  olume of grout used (gal.)  6-7-5-						
104671						
OMMENTS: FILM well who grant TILL over	• Skeich in all relevant days					
12WM ==	Sketch in all relevant decommissioning data, including:    Interval exceedible					
topped of whalen	interval overdrilled, interval grouted, casing left in hole,					
	well stickup, etc.					

Site Name: MACHIAS GRAVEL PIT	Well I.D.: VW /P
Site Location: VERY ROAD, MACHIAS NY	Driller:
Drilling Co.: BUFFALO DRILLING	Inspector: JASON LACASSE
	Date: 10-30-01
	ONER OF! // 1/- 1-01
DECOMMISSIONING DATA	WELL SCHEMATIC*
(Fill in all that apply)	Depth BACKER
	Depth (feet)
OVERDRILLING	(1001)
Interval Drilled	1 -0
Drilling Method(s)	<u> </u>
Borehole Dia. (in.)	3-
Temporary Casing Installed? (y/n)	3-305 - gRvv;
Depth temporary casing installed	4   2
Casing type/dia. (in.)	- De la constant
Method of installing	6- Swar
<del>- 19 // - 1</del>	<del>                                    </del>
CASING PULLING	8
Method employed	
Casing retrieved (feet)	1—10—1
Casing type/dia. (in)	
CASING PERFORATING (	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	
Quantity of cement used (lbs.)	
Cement type	
Quantity of bentonite used (lbs.)	
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	
COMMENTS: FILLOW WISROUT THE WAL	* Sketch in all relevant decommissioning data, including:
OVER FLOWER - TOPPOTO OFF W/ SKOUT	interval overdrilled, interval grouted, casing left in hole,
7	well stickup, etc.
	won suckup, etc.
	<u> </u>

Site Name: MACHIAS GRAVEL PIT	Well I.D.: AS 37
Site Location: VERY ROAD, MACHIAS NY	Driller:
Drilling Co.: BUFFALO DRILLING	Inspector: JASON LACASSE
	Date: 10-30-01

#### DECOMMISSIONING DATA WELL SCHEMATIC\* BALLAY (Fill in all that apply) Depth (feet) **OVERDRILLING** Interval Drilled **Drilling Method(s)** 9EUS Borehole Dia. (in.) Temporary Casing Installed? (y/n) Depth temporary casing installed Casing type/dia. (in.) Method of installing CASING PULLING Method employed Casing retrieved (feet) Casing type/dia. (in) CASING PERFORATING Equipment used Number of perforations/foot Size of perforations Interval perforated GROUTING Interval grouted (FBLS) # of batches prepared For each batch record: Quantity of water used (gal.) Quantity of cement used (lbs.) Cement type Quantity of bentonite used (lbs.) Quantity of calcium chloride used (lbs.) Volume of grout prepared (gal.) Volume of grout used (gal.)

COMMENTS: FILLD WIGROUT DI WELL

OURT Flowed - TOPPUBLICATE WELLINGTON

Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, easing left in hole, well stickup, etc.

	<b>-</b>					
Site Name: MACHIAS GRAVEL PIT	Well I.D.: A5 36					
Site Location: VERY ROAD, MACHIAS NY	Driller:					
Drilling Co.: BUFFALO DRILLING	Inspector: JASON LACASSE					
	Date: 10-31-07 Over Dr. 11 11-1-01					
DECOMMISSIONING DATA	WELL SCHEMATIC*					
(Fill in all that apply)	Depth BACKA					
OVERDRILLING	(feet)					
Interval Drilled 500						
Drilling Method(s)	·					
Borehole Dia. (in.)	1.5' = JROU					
Temporary Casing Installed? (y/n)	3-1					
Depth temporary casing installed	1/3					
Casing type/dia. (in.)	even					
Method of installing	De l'Or					
CASDIC DITT DEC						
CASING PULLING Method employed						
Casing retrieved (feet)						
Casing type/dia. (in)						
(m)						
CASING PERFORATING						
Equipment used						
Number of perforations/foot						
Size of perforations						
nterval perforated						
GROUTING						
nterval grouted (FBLS)						
of batches prepared						
for each batch record:						
Quantity of water used (gal.)						
Quantity of cement used (lbs.)						
Cement type						
Quantity of bentonite used (lbs.)						
Quantity of calcium chloride used (lbs.)						
Volume of grout prepared (gal.)	7 4					
olume of grout used (gal.)						
COMMENTS, C. 1 CO.						
COMMENTS: FILSO WIGGOUT TILL WELL	Sketch in all relevant decommissioning data, including:					
OVER CLOWEN-TOPPED OFF W/ growi	interval overdrilled, interval grouted, casing left in hole,					
/ V	well stickup, etc.					

**Drilling Contractor** 

#### NYSDEC NPL Sites Site Name: MACHIAS GRAVEL PIT Well I.D.: A5-20 Site Location: VERY ROAD, MACHIAS NY Driller: Drilling Co.: BUFFALO DRILLING Inspector: JASON LACASSE Date: 0-30-01 DUCRORI 11-1-0 DECOMMISSIONING DATA WELL SCHEMATIC\* Depth Stik Fill 700 (Fill in all that apply) (feet) **OVERDRILLING** Interval Drilled Drilling Method(s) Borehole Dia. (in.) Temporary Casing Installed? (v/n) Depth temporary casing installed OVER VI Casing type/dia. (in.) Method of installing **CASING PULLING** Method employed IOLIA-LOWAIN Casing retrieved (feet) Casing type/dia. (in) CASING PERFORATING Equipment used Number of perforations/foot Size of perforations Interval perforated GROUTING Interval grouted (FBLS) # of batches prepared For each batch record: Quantity of water used (gal.) Quantity of cement used (lbs.) Cement type Quantity of bentonite used (lbs.) Quantity of calcium chloride used (lbs.) Volume of grout prepared (gal.) HK Volume of grout used (gal.) COMMENTS: Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

WELL DECOMMISSIONING RECORD

Department Representative

rilling Contractor

Site Name: MACHIAS GRAVEL PIT	Well I.D.: W-17							
Site Location: VERY ROAD, MACHIAS NY	Driller:							
Drilling Co.: BUFFALO DRILLING								
Picipality								
	Date: 10-30-01  0 VER ORILL 11-1-01							
DECOMMISSIONING DATA	WELL SCHEMATIC*							
(Fill in all that apply)	Depth RHEFILLIOO'							
OVERDRILLING	(feet) grout In Right							
Interval Drilled 557								
Drilling Method(s)								
Borehole Dia. (in.)	2 -							
Temporary Casing Installed? (y/n)								
Depth temporary casing installed								
Casing type/dia. (in.)	- 5- over ari							
Method of installing								
CACINIC DUIT I DEC								
Method employed WHE LOVE A CHAIN								
acing retrieved (foot)	10							
Casing type/dia. (in)								
6	1 <del>-</del>   K							
CASING PERFORATING	-  /							
Equipment used								
Number of perforations/foot								
Size of perforations								
nterval perforated								
SPOURTNIC								
ROUTING								
nterval grouted (FBLS)								
of batches prepared g-g								
Quantity of water used (gal.)	<u> </u>							
Quantity of cement used (lbs.)								
Gement type								
uantity of bentonite used (lbs.)								
uantity of calcium chloride used (lbs.)								
olume of grout prepared (gal.)								
olume of grout used (gal.)								
OMMENTS: FILOD WLARDVI TILL INELL	* Sketch in all relevant description							
OUDR FLOWED IL got BITTET	* Sketch in all relevant decommissioning data, including:							
9. 7 gA) IST FROM BATCH 9- WELLSET	interval overdrilled, interval grouted, casing left in hole,							
THE TOTAL TOUR DRIVE TO WEITTY !!	well stickup, etc.							

### NEW YORK BOARD OF FIRE UNDERWRITERS

BUREAU OF ELECTRICITY
40 FULTON STREET ~ NEW YORK, NY 10038

#### **CERTIFIES THAT**

Upon the application of

upon premises owned by

ENVIROGEN INC - GLEN MEADER 480 NEPONSET ST CANTON MA. 02021

\* MOTOSCOLA VERY RD MACHIAS, NY 14101

Located at

VERY RD MACHIAS, NY 14101

Application Number:

1027410

Certificate Number:

1027410

Section:

Block:

Lot:

**Building Permit:** 

BDC: B 580

Described as a

Commercial

occupancy, wherein the premises electrical system consisting of

electrical devices and wiring, described below, located in/on the premises at:

First Floor,

was inspected in accordance with the National Electrical Code and the detail of the installation, as set forth below, was found to be in compliance therewith on the 19th Day of November, 2001.

18

Name

OTY Rate

Rating

Circuit Type

Additional Charges

REMOVAL OF COMPRESSOR

seal

1 of 1

This certificate may not be attered in any way and is validated only by the presence of a raised seal at the location indicated.

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THE NEW YORK BOARD OF FIRE UNDERWRITERS

	IBILL OF LADING/MANIFEST	NYD98TT8	ID No. (If Applicable) プエヴァ	Document No.	2. Page 1 of 1		3579	6
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	4. Shipper's Phone (716 353-8207) 5. Transporter 1 Company Name	· 			<del>,</del>			•
	SAFETY - KLEEN SYSTEMS, IN	6.  C	US EPA ID SURCOCOUNTS		A. Transporter's	Phone 825 8	8931	
	7. Transporter 2 Company Name	8.	US EPA ID	Number	B. Transporter's	Phone		. 1
	9. Designated Facility Name and Site Address OOU SAFETY-RLEEN SYSTEMS, IN 3700 LAGRANGE ROAD		, .		C. Facility's Pho			
╽╽.	SMITHFIELD KY 40068  11. Shipping Name and Description		KYDŐ53348	3108	<u> </u>	845-		1
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	16a. US DOT HAZARDOUS MATERIALS SHIPPER'S Printed/Typed Name	CERTIFICATION:	his is to certify that the above-r	ding to the applicable regular	classified, described, pec- lons of the Department of	kaged, marker Transportation	d and labeled and are in pro n.	bpet .
			Signature requirements here if US DOT regulate	ed .		<u>.</u>	Month Day	Year
	16b. NON-REGULATED SHIPPER'S CERTIFICATION: Printed/Typed Name	: I certify the materials d	Sign here if malerial is not	m are not subject to fed	eral regulations for Tri	ansportation	or Disposal.  Month Day	Year
T R	17. Transporter 1 Acknowledgement of Receipt of Mater	tals	DOT regulated	$\mathcal{L}$	orglas ()	der	17 00	0.1
4250	Printed/Typed Name  BAKEL  18. Transporter 2 Acknowledgement of Receipt of Mater	iale	Signature	Karl	Parke	1	Month Day	Year D ·
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FACI	19. Discrepancy <b>Indic</b> ation <b>Sp</b> ace							
LIT	20. Facility Owne <b>r or</b> Operator: Certification of receipt of	materials covered by	this form except as no	oted in Item 19.				
<b>↓</b>	Printed/Typed <b>Na</b> me		Signature		<del></del>		Month Day	Year .