### LONG ISLAND LANDFILL ANNUAL/QUARTERLY REPORT

Submit the Annual Report no later than March 1, 2018.

B. Quarterly Report for:	Quarter 1	Quarter 2 Qua	irter 3 XX	Qua	rter 4
	SECTION 1 - F	ACILITY INFORMAT	ION		
	FACILIT	TY INFORMATION			
FACILITY NAME: Northern U Ashfill					
FACILITY LOCATION ADDRESS Patton Avenue	S: FACILIT West Ba	Y CITY: abylon	ST/ N.Y	ATE:	ZIP CODE; 11704
FACILITY TOWN: Babylon	FACILIT Suffolk	Y COUNTY:	FAGILITY 631-422-70		IE NUMBER:
FACILITY NYS PLANNING UNIT Babylon	; (A list of NYS Planning	Units can be found at the end	of this report).	1 2 2 3	SDEC GION#: 1
360 PERMIT #: 1-4720-00528-00005	DATE ISSUED: 4/8/00	DATE EXPIRES: 4/30/05			VITY CODE OR NUMBER:
FACILITY CONTACT: Victoria A. Russell	public private			77. 7. 20	FAX NUMBER: 86
CONTACT EMAIL ADDRESS:	vetri@townofbabylo	n.com			
	OWNE	RINFORMATION			
OWNER NAME: Town of Babylon	OWNER 631-957	PHONE NUMBER: 3000	OWNER F	2000	UMBER:
OWNER ADDRESS: 200 East Sunrise Highway	OWNER Lindenh	APT 7 (L. A. C.)	ST/ N.Y	ATE:	ZIP CODE: 11757
OWNER CONTACT: Thomas Vetri		CONTACT EMAIL ADD	RESS:		
OPERATOR NAME: Sal	OPERAT me as owner	OR INFORMATION	При	blic	
		TE IN THE SECOND	□pri	vate	
Preferred address to receive corre	espondence. 🗆 Facility		□ Dwner	addres	S
Preferred email address: ☐ Fac ☐ Other (provide):	ilily Contact	Owner Contact			
Preferred individual to receive cor □ Other (provide):	respondence: 🗆 Fi	acility Contact	hwner Contact		
	es; Complete this form				
☐ N relinquish your permil/registration Waste Management Facility or Ac	associated with this si		ectivity, also cor	nplete	the "Inactive Sol

Reprinted (12/17)

### SECTION 2 - SITE LIFE

1	Lan	dfill Capacity Utilized Last Year (reporting year).	
	a,	What is the estimated landfill capacity that was utilized during the rep	porting year?
		0	Cubic Yards of Airspace
			Please do not report units as pounds per cubic yard.
	Ъ.	What is the estimated in-situ waste density for the reporting year?	
		1,45	_ Tons/Cubic Yard
2,	Ren	naining Constructed Capacity	
	a.	What is the remaining capacity of the landfill that is already construc-	ted?
			_ Cubic Yards of Airspace
	b	What is the estimated remaining life of the constructed capacity? 0Years0Months atTons/Year.	
		Please note that this tonnage rate must include all materials placed	in the landfill in worth call naver-
		alternative daily covers, etc.	in the landing her, waste, son, cover;
	C.	The tonnage rate reported under 2.b. is based on (select one):	
		The amount of materials placed in the landfill in the repo	rting year
		Estimated future disposal	
		X Permit Ilmit	
		Other (explain):	
3.	Perr	mitted Capacity Still to be Constructed	
	a,	What is the remaining but not yet constructed landfill capacity-that is	authorized by a Part 360 permit?
		N/A Cubic Yards of Airspace	
	b.	What is the projected life of capacity reported in 3a.?	
		N/A Years Months	
		atTons/Year.	
		Please note that this tonnage rate must include all materials dispose and alternative daily covers.	ed in the landfill, i.e., waste, and soil
		and alternative daily covers.	
	G.	The tonnage rate reported under 3.b. is based on (select one):	
		The amount of materials placed in the landfill in the report	rting year
		Estimated future disposal	
		Permit limit	
		Other (explain):	

4_	Capacity Proposed in a Part 360 l	Permit Application
		sion proposed in a Part 360 permit application that has been submitted to the a permit as of the end of the reporting period?
	N/A	Cubic Yards of Airspace
5.	Estimated Potential Future Capaci	ity Not Permitted or in an Application (optional)
		any potential future expansion at the facility that is not yet authorized by a permit application that has been submitted to the Department?
	0	Cubic Yards of Airspace
Nam		CTION 3 - PRIMARY LEACHATE  y(s) utilized: Clear Flo/SCDPW Bergen Point
Does	s the landfill have a constructed liner	and a leachate collection system? X YesNo
(Not	or the quantity of primary leachate that is month, and the corresponding Acre is: For double-lined landfills this shoul rolume of leachate collected from sec removal systems.	d not include
		For each cell, please report the acreage and the primary leachate amount.

	PRIMARY LI	PRIMARY LEACHATE COLLECTED (GALLONS)	OLLECTED	(GALLONS)		PRI	PRIMARY LEACHATE TREATED OFF SITE (GALLO	HATE TREA	TED OFF SI	TE (GALLO
Cell 1	Cell 2	Cell 3	Cell 4	Cell 5	Cell 6	Cell 1	Cell 2	Cell 3	Cell 4	Cell 5
Acres	6.9 Acres	Acres	Acres	Acres	Acres	Acres	6.9 Acres	Acres	Acres	Acres
62,583	74,424					62,583	74,424			
65,610	191,227					65,610	191,227			
39,954	217,789					39,954	217,789			
82,779	197,734					82,779	197,734			
64,909	244,507					64,909	244,507			
65,794	209,859					65,794	209,859			
42,881	43,708					42,881	43,708			
43,615	53,076					43,615	53,076			
39,104	65,736					39,104	65,736			
33,473	13,607					33,473	13,607			
24,213	79,321					24,213	79,321			
36,040	31,045					36,040	31,045			
996'009	1,422,033		į.			600,955	1,422,033			
	RIMARY LE	PRIMARY LEACHATE REC	SIRCULATE	RCULATED (GALLONS)		PR	PRIMARY LEACHATE TREATED ON SITE (GALLO)	HATE TREA	TED ON SIT	E (GALLO)
Cell 1	Cell 2	Cell 3	Cell 4	Cell 5	Cell 6	Cell 1	Cell 2	Cell 3	Cell 4	Cell 5
										Ĭ
K										

Submit (attached to this form) a copy of the maintenance logs which docume Maintenance Manual's schedule for the routine annual flushing and inspection removal system. List required submissions that have been attached to this forequired piece of information:	on of the primary leachate collection and
See Maintenance Logs attached	
Submit (attached to this form) a tabulated compilation of the semi-annual pri- throughout the year including a summary comparing this year's data with the discussion of results. This list should identify sample location(s) and method that have been attached to this form or the reason for not attaching a require N/A	previous year's data and a summary tof analysis. List required submissions
SECTION 4 - SECONDARY LEAD	HATE
Does landfill have a double liner system with a secondary leachate collection.	and removal system? X Yes
Submit (attached to this form) a tabulated compilation of the semi-annual ser throughout the year including a summary comparing this year's data with all discussion of results. This list should identify sample focation(s) and method that have been attached to this form or the reason for not attaching a require N/A	previous years' data and a summary is of analysis. List required submissions
	Please report total cost for the year, not cost/gal.
Leachate Cost: (including transportation if appropriate) during the calendar y	
\$TBD	
Total quantity treated: 3,605,248 gal	
Enter the quantity of secondary leachate that was collected, removed for on- recirculated each month, and the corresponding Acreage, by Cell:	site and off-site treatment, and
	Carlos and an arrangement
	For each cell, please report the acreage and the secondary

SEC	SECONDARY LEACHATE		COLLECTE	COLLECTED (GALLONS)	(2)	SECON	SECONDARY LEACHATE TREATED OFF SITE (GA	HATE TREA	TED OFF S	TE (GA
Cell 1 11.25 Acres	Cell 2 6.9 Acres		Cell 4 Acres	Cell 5 Acres	Cell 6 Acres	11.25 Acres	Cell 2 6.9 Acres	Cell 3 Acres	Cell 4 Acres	Cell 5
58,059	12,076					58,059	12,076			
135,773	16,007					135,773	16,007			
110,272	21,241					110,272	21,241			
92,164	19,373					92,164	19,373			
104,405	15,855					104,405	15,855			
77,856	11,592					77,858	11,592			
64,626	14,396		), + <u>2</u> -			64,626	14,396			
57,118	13,392					57,118	13,392			
43,441	13,441					43,441	13,441			
146,999	13,607					146,999	13,607			
291,050	79,321					291,050	79,321			
139,151	31,045					139,151	31,045			
1,320,914	261,346					1,320,914	261,346			
SECO	SECONDARY LEACHATE RECIRCULATED (GALLONS	ACHATE RE	ECIRCULAT	ED (GALLO	NS)	SECO	SECONDARY LEACHATE TREATED ON SITE (GA	HATE TRE	ATED ON SI	TE (GAL
Cell 1	Cell 2	Cell 3	Cell 4	Cell 5	Cell 6	Cell 1	Cell 2	Cell 3	Cell 4	Cell 5
Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acre
							Ì			
										, and a

### SECTION 5 - BENEFICIAL USE DETERMINATION MATERIALS

For each type of waste material that the Department has approved for use as alternative daily cover, intermediate cover, or other landfill material, provide the annual weight in tons, use (i.e., daily cover, intermediate cover, etc.), and source of material. (If material is from a solid waste facility also provide facility name, address, NYS Planning Unit, County/ Province, and State/Country.) Refer to the list of NYS Planning Units that can be found at the end of this report.

Type of Solid Waste	Weight (tons/year)	Use	NYS Planning Unit (See Attached List of NYS Planning Units)	County or Province	State or Country	Source (Facility and Address)
Aggregate/Concrete						
Dredge Spoils						
Glass						
MSW/Wood Ash						
Processed C&D						
Tire Chips						
Wood/Wood Chips						
Other (specify)						
Total ADC						
Total Beneficial Use Determination Materials						

### Percent Alternative Daily Cover (ADC) Calculation

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	THE STATE OF THE S	والمراجعين والمواجع والمراجع و	chief attended and account of attended them.

Please note the calculation is: Tons ADC (from table above)/Tons Solid Waste (from table in Section 6) x 100 and Not: Tons ADC / (Tons Solid Waste + ADC) x 100

ADC Calculations: Total Tons ADC/Total Tons Waste Disposed x 100 =

## SECTION 6 - SOLID WASTE DISPOSED

onnages of solid waste disposed. Exclude Beneficial Use Determination Material amounts reported in Section 5. nethods used to measure the quantities disposed and the percentages measured by each method:

% Other (Specify:

ck Count

% Estimated se Weight

2	(S/Ton)	(tons)	(tons)	(tons)	April (tons)	(tons)	June (tons)	
Energy	Varies	0	0	9	0	0	0	
n & Debris								
Authorization m Debris)								
(6)								
at Tons Disposed		0	0	0	0	0	0	

olid Waste	August (tons)	September (tons)	October (tons)	November (tons)	December (tons)	Total Year (tons)	۵
Energy	0	o	o	0	0	0	
n & Debris							
on Waste ris)							
ify)							
Disposed	0	0	0	0	0.	0	

### SECTION 7 - SERVICE AREA OF SOLID WASTE RECEIVED

Identify the service area of the material. The Total Tons Received reported below should equal the Total Tons Received in Section 6 (SOLID WASTE DISPOSED). DO NOT REPORT IN CUBIC YARDS!

- 1) <u>Direct hauled from the generator of the material</u>. In the case where the material is hauled to your facility from the generator (i.e. hauled from residences, job sites, commercial establishments, etc.), "<u>Direct Haul</u>" is the appropriate response in Column 2 under "Service Area." Please report the tonnage by material type and identify the state, county and planning unit where it was generated; or
- 2) Sent to your facility from another solid waste management facility. Material may be sent to your facility from another solid waste management facility. In this case, please report the lonnage by material type from each sending solid waste management facility, as well as the sending facility's name, address, county, and the planning unit where the sending facility is located.

TYPE OF SOLID WASTE	SOLID WASTE MANAGEMENT FACILITY FROM WHICH IT WAS RECEIVED (Name & Address) OR "Direct Haul"	SERVICE AREA STATE OR COUNTRY	SERVICE AREA COUNTY OR PROVINCE	SERVICE AREA NYS PLANNING UNIT (See Attached List of NYS Planning Units)	TONS RECEIVED
Ash (MSW Energy Recovery)	N/A				0
Construction and Demolition Debris (mixed)					
Emergency Authorization Waste (Storm Debris)					
Other (specify)					

# SECTION 8 - UNAUTHORIZED SOLID WASTE

rized solid waste been received at the facility during the reporting period?

No If yes, give information below for each incident (attach additional sheets if necessary);

								3 1 1 1
			Radiatio	Radiation Monitoring				
cility use a fo	cility use a fixed radiation monitor?	Yes	No X					
ufacturer		and	and Model		of fixed unit.	unit.		
cility use a po	cility use a portable radiation monitor?	monitor? Yes	No					
ufacturer		and	and Model		of fixed unit.	unit.		
n monitors h	m monitors have been triggered give	ed give information b	information below for each incident:	icident:				
ldoni	Received			100	1000		Rem	Removed
mber	Date Time	Hauler	Origin	Number	Billinga	Status	Date	

### SECTION 9 - WASTE IN PLACE

### Summary by Waste Type and Year

Include all active and inactive sections of the landfill. Report waste disposed annually by type, if known, in tons per year. Report total waste disposed, if breakdown of types is not available. In the case where more than one landfill section operated in a given year identify each separately, if known. If the annual amount is not available, report the quantities for a range of years. If you include amounts from old, closed landfills then clearly identify thom on the table and explain below. In each row, report quantities disposed each year (or group of years if individual years unknown) for each waste type. Report cumulative WIP at

bottom (sum of annual quantities disposed). Add additional sheets as necessary.

Year	MSW (tons)	Asbestos Waste (tons)	Ash (tons)	C&D Debris ((ons)	Industrial Waste (tons)	Petroleum Contaminated Soil (tons)	Sewage Treatment Plant Sludge (tons)	Other*	Year(s) Total (tons)	(dentify Landfill Section(s) Used
2002			595,000						595,000	Original
2003			73,250						73,250	Expansion
2004			129,057						129,057	Expansion
2005			174,704						174,704	Expansion
2006			152,726						152,726	Expansion
2007			123,016						123,016	Expansion
2008			138,490						138,490	Expansion
2009			114,693						114,593	Expansion
2010			87,955,2						87,955.2	Expansion
2011			60,351,63						60,351.63	Expansion
2012			21,105.7						21,105.7	Expansion
2013			60.58						60.58	Expansion
2014			132.9						132,9	Expansion
2015			516.26		1,1				516.26	Expansion
2016			26.6	1	1-				26:6	Expansion
2017			0		1		) · · · · · · · · · · · · · · · · · · ·		α	Expansion
WIP Cumulative Total			1,670,984.87						1 670,984 87	

<sup>\*</sup> Other waste could include, but not limited to, yard waste, paper, wood, textiles, or dispers.

Overall in place volume <u>1,152,403.5</u> cubic yards.

Method for determining waste composition, if known.

Explain if closed landfills are included above <u>Old Northern U included under "Ortgina!" section</u>

### Waste Summary by Landfill Section

te in place information for all landfill sections.

to Present

5/03

Next" section used (years) from

5/05

9

4/92

tion used (years) from

indfill sections;

print 6.9 acres	Section Footprint 11.25 acres
approved final cover system. Yes X No.	Capped with approved final cover system Yes No.
oed 100	
oe: 595,000 Tons 410,345 Cubic Yards, if known	Waste in Place; 1,075,984.8 Tons 742,058.5 Cubic Yards,
est a second and additional assemble allowed as a second of second second little and leavest little and	and the second s
additional farchills, praces of cells, prease provide the senior waste in place morniage and already and already to form.	ista in place illicultiation of accidial sheets and atlactic to form.
SECTION 10 - LANDFILL GAS	NDFILL GAS
the second of th	
drill have a landfill gas collection & control system?  If Yes: Active	iive Passive
as wells:	
footprint acreage	
acreage from which gas is collected	
ons from which gas is collected	
age from which gas is collected for energy recovery	
ethane Generation Rate⁺, k	
otential Methane Generation Capacity*, Lom³/Mg	
sentration* ppmv as hexane	
dfill require a Title V Permit? Yes No	

ncentration NMOC, Lo and k are not known or included, default values will be used to calculate the NMOCs emissions from the Landfill.

idfill Gas Recovery (gas to energy or other use) Facility:

### Flare

Number of Flares N/A			ry Facility:
		~	Please repor
Type of Flare. Opened Flare	Enclosed Flar		in cubic feet
Quantity of Gas Collected and Flarer Flare Hours of Operation per Year Methane Percentage in Landfill Gas Methane Destruction afficiency	hours	lyear %	cubic feet
Candlestick Flares: Number of Candlestick Flares <u>N/A</u> Estimate of Gas Flared Candlestick f		cubic fe	al .
	Gas To Energy		-
Number of Internal Compustion Engines:			Please rep in cubic fee
Quantity of Gas collected for Internal Methane Destruction afficiency Methane Percentage in Landfill Gas I Utility Company Receiving Electricity	% before combustion	nnually	cubic feet
Gas Processed for	Use (Other than gas	tó electricity)	
Quantity of Gas Collected for Proces Methane Percentage in Landfill Gas On-site or Off-site User of Gas.	-	ouble feet %	
Landfill Gas R	ecovery Facility/Lan	######################################	1
Facility Contact	ecovery Facility/Lan	Phone # (	<u>}</u>
Facility Contact Contact e-mail address		W	)
Facility Contact Contact e-mail address Operation and maintenance cost for calendar	year: \$	Phone # ( Fax # (	)
Facility Contact  Contact e-mail address  Operation and maintenance cost for calendar  Does the LGRF experience shull downs:	year; \$Yes	Phone # (	)
Facility Contact Contact e-mail address Operation and maintenance cost for calendar	year: \$Yes	Phone # (	) - ttached to this form or
Facility Contact  Contact contact address  Operation and maintenance cost for calendar Does the LGRF experience shull downs:  If yes, indicate reasons for shull downs. List in	year: \$Yes	Phone # (	) - ) - Itashed to this form or
Facility Contact  Contact contact address  Operation and maintenance cost for calendar Does the LGRF experience shull downs:  If yes, indicate reasons for shull downs. List in	year: \$Yes	Phone # (	) ) Itashed to this form or
Facility Contact	year; \$Yes equired submissions of information;	Phone # (	ttashed to this form or
Facility Contact	year: \$Yes	Phone # (	ttashed to this form or

### Results of Condensate Sampling

			ece of information	ction) that have be	CH Stractice to 1	1113 101111 01
		Landfill Gas	s Utilized For Er	ergy Recovery		
Provide the	following inform	ation for the lar	ndfill gas recover	ed for energy. DO	NOT INCLUDE	THE GAS
	Landfill Gas Collected for Energy Recovery (Cubic Feet)	Steam* Generated (Cubic Feel)	Total Electricity* Generated for onsite and offsite use (K.W.H.)	Total Gas Processed for use other than electricity generation (Cubic Feet)	Condensate Generated (Gallons)	Facility Operation (Hours)
January					1	
February						
March						
April						
May						
June						
July						
August			7			
September				-		
October						
November						
December						
ANNUAL TOTAL				14		
* Provide wh	nere applicable.		-	,		
Normal Wee	ekdays of Opera	ition	Normal Hou	irs of Operation		
Electricity G	enerated and usenerated and use	sed onsite		KWH		
	sed and used/m sed and used o	the state of the s		cubic feet bic feet		
Describe the	e collection, stor	age, treatment	and disposal tec	hniques used in ma	anaging the con-	densate:
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SECTION 1	1 - COST ESTIMATES AND FINANCIAL ASSURANCE DOCUMENTS
Are there required	d cost estimates and financial assurance documents for closure and post-closure care?
□ Yes ■ No	If yes, attach additional sheets reflecting annual adjustments for inflation and any changes to the Closure Plan?
	SECTION 12 - PROBLEMS
Were any problem changes in facility	ns encountered during the reporting period (e.g., specific occurrences which have led to procedures)?
■Yes □No	If yes, attach additional sheets identifying each problem and the methods for resolution of the problem.
	SECTION 13 - CHANGES
Were there any cr	ranges from approved reports, plans, specifications, and permit conditions?
□ Yes ■ No	If yes, attach additional sheets identifying changes with a justification for each change.
	SECTION 14 - ANALYTICAL RESULTS
all peaks even if b number for each a groundwater prote on all parameters reasons for not at	to this form) tables showing the sample collection date, the analytical results [including below the Method Detection Limits (MDL)], designation of upgradient wells and location environmental monitoring point sampled, applicable water quality standards, and ention standards if established, MDL's, and Chemical Abstracts Service (CAS) numbers. List submissions (required by this section) that have been attached to this form or the taching a required piece of information: ter Monitoring Program Results – June 2017", dated November 28, 2017.
	SECTION 15 - COMPARING DATA
existing water qua Stiff diagrams, lab attached to this fo	lo this form) lables or graphical representations comparing current water quality with slity and with upgradient water quality. These comparisons may include Piper diagrams, sles, or other analyses. List submissions (required by this section) that have been rm or the reasons for not attaching a required piece of information; ter Manitoring Program Results – June 2017", dated November 28, 2017.
-	

### SECTION 16 - DISCUSSION OF RESULTS

significa protection analysis requirent reasons	int increasion standa schedule nents. List for not a	to this form) a summary of any contraventions of State water quality standards, see in concentrations above existing water quality, any exceedances of groundwater rds, and discussion of results, and any proposed modifications to the sampling and a necessary to meet the Existing, Operational and Contingency water quality monitoring st submissions (required by this section) that have been attached to this form or the taching a required piece of information:  Seter Monitoring Program Results – June 2017", dated November 28, 2017.
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	AND THE PROPERTY OF THE PARTY O
		SECTION 17 - DATA QUALITY ASSESSMENT
	ection) th	to this form) any required data quality assessment reports. List submissions (required at have been attached to this form or the reasons for not attaching a required piece of
		ater Monitoring Program Results - June 2017", dated November 28, 2017.
		SECTION 18 - SUMMARIES OF MONITORING DATA
16 for the which has attached	e year of ave occur to this fo	to this form) a summary of the water quality information presented in Sections 15 and operation for which the Annual Report is made, noting any changes in water quality red throughout the year. List submissions (required by this section) that have been or the reasons for not attaching a required piece of information: here Monitoring Program Results – June 2017", dated November 28, 2017.
		SECTION 19 - SURFACE IMPOUNDMENTS
Does thi	is landfill	have a surface impoundment?
□ Yes	■ No	If yes, repeat Sections 12 through 16 above for Quarterly Reports and Section 18 above for Annual report. Attach additional submissions required by this section.
S	ECTIO	N 20 - PERMIT/CONSENT ORDER REPORTING REQUIREMENTS
	e any add of this fo	ditional permit/consent order reporting requirements not covered by the previous rm?
□ Yes	■ No	If yes, attach additional sheets identifying the reporting requirements with their respective responses.

### SECTION 21 - SIGNATURE AND DATE BY OWNER OR OPERATOR

Owner or Operator must sign, date and submit one completed form with an original signature to the appropriate Regional Office (See attachment for Regional Office addresses and Solid Waste Contacts.)

The Owner or Operator must also submit one copy by email, fax or mail to:

New York State Department of Environmental Conservation
Division of Materials Management
Bureau of Permitting and Planning
625 Broadway
Albarry, New York 12233-7260
Fax 518-402-9041

Email address: SWMFannualreport@dec.ny.gov

I hereby affirm under penalty of perjury that information provided on this form and attached statements and exhibits was prepared by me or under my supervision and direction and is true to the best of my knowledge and belief, and that I have the authority to sign this report form pursuant to 6 NYCRR Part 360. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

Dealtrackon	Daharan a 2019
Signature	February 9, 2018 Date
Victoria A. Russell	Commissioner
Name (Print or Type)	Title (Print or Type)
Email (Print	
281 Phelps Lane, Room 23 Address	North Babylon City
	Oily
New York, 11703-4045	( 631 ) 422 - 7640

ATTACHMENTS: X YES NO (Please check appropriate line)