

Adam Conanan Deputy Director Solid Waste Management

125 Worth Street, Rm 727 New York, NY 10013 nyc.gov/sanitation

646-885-5056 aconanan@dsny.nyc.gov February 28, 2022

New York State Department of Environmental Conservation Division of Materials Management Bureau of Permitting and Planning 625 Broadway, Albany NY, 12233-7260

RE: 59th Street Marine Transfer Station NYSDEC Permit No. 2-6202-00005/00017 2021 Annual Report

Dear Sir/Madam,

Attached, please find the 2021 Annual Report for the New York City Department of Sanitation's (DSNY's) 59th Street Marine Transfer Station (MTS). As required, I have provided the Financial Assurance Plan (FAP) closure cost for the fiscal year. This information was inserted after section 7 of the Annual Report.

Please call me if you have any questions or require additional information.

Best Regards,

Adam Conanan

Attachment (1): 2021 Annual Report



PERMITTED TRANSFER FACILITY ANNUAL REPORT

Department of Environmental Conservation

PERMITTED TRANSFER FACILITY ANNUAL REPORT

[If you need assistance filling out this form please email swmfannualreport@dec.ny.gov or call 518-402-8678.) Complete and submit this form by March 1, 2022.

This annual report is for the year of operation from <u>January 01, 2021</u> to <u>December 31, 2021</u>

SECTION 1 - GENERAL INFORMATION

		FACILITY	INFORMATION				
FACILITY NAME:		E ST					
59th Street Marine	Transf	fer Stat	ion				
FACILITY LOCATION ADDRESS	:	FACILITY	CITY:		STATE:	ZIP CODE:	
901 12th Avenue NY,NY	10019	Manh	attan		NY	10023	
FACILITY TOWN:		The second second second	COUNTY:	1 20 2 2 2		NE NUMBER:	
Manhattan		New Y			-506-7	7438	
FACILITY NYS PLANNING UNIT: New York City	(A list of NY	S Planning Un	iits can be found at the end o	f this repo		SDEC GION#: 2	
360 PERMIT #:(Refer to DEC	DATE IS	enien.	DATE EXPIRES:	Luver	SEC ACTIV	ITY CODE OR	
2-6202-00005/00017						NUMBER: (Refer to	
2-8202-00003/00017	3/13/	2021	3/14/2026	DEC Pe	ermit) 31TO	4	
FACILITY CONTACT:	T	public	CONTACT PHONE	10	CONTACT	FAX NUMBER:	
Adam Conanan		private	NUMBER: 646-885-5056				
CONTACT EMAIL ADDRESS: ac	onanan@	dsny,nyc,	.gov				
		OWNER	INFORMATION				
OWNER NAME:			HONE NUMBER:	OWN	ER FAX N	JMBER:	
New York City Department of Sanita	ation	646-885-4693					
OWNER ADDRESS:		OWNER CITY:			STATE:	ZIP CODE:	
125 Worth Street		No. of the last of	New York			10013	
OWNER CONTACT:			ONTACT EMAIL ADDR				
John Capo		Jcapo	@dsny.nyc.g	JOV			
		OPERATO	RINFORMATION				
OPERATOR NAME: Sert	n asowner				⊾ public		
		PDE	FERENCES		□ private		
Preferred address to receive corre	spondence			Do	wner addres:		
Other (provide):					. Della sede s		
Preferred email address: Facil Other (provide):	ity Contact		wner Contact				
Preferred individual to receive com	esponden	ce: 🗖 Facil	ity Contact 🔳 Ow.	ner Contac	ef		
Did you operate in 2021? Ye	s; Comple	te this form.					
□ No	; Complet	te and submi	it Sections 1 and 11. If y	ou no lor	nger blan to	operate and wish	
to relinquish your permit/registration Solid Waste Management Facility o	n associat	ed with this s	solid waste management	activity.	also compl	ete the "Inactive	

SECTION 2 - SOLID WASTE RECEIVED

Please provide the tonnages of solid waste received. Include all waste received. Report Recyclable Materials in Section 5. DO NOT REPORT IN CUBIC YARDS!

	TANDS!								
Specify the methods used to measure the quantities disposed and the percentages measured by each method:									
% Scale Weight	% Estimated								
% Truck Count	% Other (Specify:)								

Type of Solid Waste	January (tons)	February (tons)	March (tons)	April (tons)	May (tons)	June (tons)	July (tons)
Asbestos							
Construction & Demolition (C&D) Debris							
Industrial Waste (Including Industrial Process Sludges)							
Mixed Municipal Solid Waste (MSW) (Residential, Institutional & Commercial)							
Oil/Gas Drilling Waste							
Petroleum Contaminated Soil							
Sewage Treatment Plant Sludge							
Treated Regulated Medical Waste							
Emergency Authorization Waste (Storm Debris)							
Other (specify)						_	
Total Tons Received			113			l .	

If the solid waste type is not listed, use one of the "Other" lines and fill in the name of the waste. If more "Other" lines are needed, cross out an unused type and fill in the other solid waste name. If still more "Other" lines are needed, attach another copy of this page, cross out an unused type, and fill in the other solid waste name.

SECTION 2 - SOLID WASTE RECEIVED (continued)

Type of Solid Waste	Tip Fee (\$/ton)	August (tons)	September (tons)	October (tons)	November (tons)	December (tons)	Total Year (tons)	Daily Avg. (tons)
Asbestos								
Construction & Demolition (C&D) Debris		_						
Industrial Waste (Including Industrial Process Sludges)								
Mixed Municipal Solid Waste (MSW) (Residential, Institutional & Commercial)								
Oil/Gas Drilling Waste				2				
Petroleum Contaminated Soll								
Sewage Treatment Plant Sludge								
Treated Regulated Medical Waste								
Emergency Authorization Waste (Storm Debris)								
Other (specify)								
Total Tons Received								

If the solid waste type is not listed, use one of the "Other" lines and fill in the name of the waste. If more "Other" lines are needed, cross out an unused type and fill in the other solid waste name. If still more "Other" lines are needed, attach another copy of this page, cross out an unused type, and fill in the other solid waste name.

SECTION 3 - SERVICE AREA OF SOLID WASTE RECEIVED

Please identify where the waste is coming from. The total tons received reported below should equal the total tons received in Section 2 (Solid Waste Received).

DO NOT REPORT IN CUBIC YARDS!

- If the waste WAS received from another solid waste management facility, please write in the name and address of the facility along with the appropriate state, county and planning unit/municipality.
- If the waste WAS NOT received from another solid waste management facility, please write in "Direct Haul" along with the appropriate state, county and planning unit/municipality where the waste was generated.

Specify transport method, list type of material(s) and percentages of total waste transported by each:							
% Road: Waste Type(s):	% Rail: Waste Type(s):						
% Water: Waste Type(s):	% Other (specify:): Waste Type(s):						

	SERVICE AREA OF SOLID WASTE RECEIVED (where the waste is coming from)									
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					
Asbestos										
Construction & Demolition (C&D) Debris										
Industrial Waste (Including Industrial Process Sludges)										

	SERVICE AREA OF SOL	ID WASTE RE	CEIVED (where the	waste is coming from)	
TYPE OF SOLID WASTE	SOLID WASTE MANAGEMENT FACILITY FROM WHICH IT WAS RECEIVED (Name & Address) OR "Direct Hau!"	SERVICE AREA STATE OR COUNTRY	SERVICE AREA COUNTY OR PROVINCE	SERVICE AREA NYS PLANNING UNIT (See Attached List of NYS Planning Units	TONS RECEIVE
Municipal Solid Waste (MSW) (Residential, Institutional & Commercial)					
Oil/Gas Drilling Waste					
Petroleum Contaminated Soil					
Sewage Treatment Plant Sludge					
Treated Regulated Medical Waste (TRMW)*					
Emergency Authorization Waste – (Storm Debris)					
Other (specify)					
			TO	TAL RECEIVED (tons)·

^{*} List generators that provide you Certificates of Treatment forms and quantities of TRMW from each _

If the solid waste type is not listed, use one of the "Other" lines and fill in the name of the waste. If more "Other" lines are needed, cross out an unused type and fill in the other solid waste name. If still more "Other" lines are needed, attach another copy of this page, cross out an unused type, and fill in the other solid waste name.

SECTION 4 - TRANSFER OR DISPOSAL DESTINATION

<u>Please identify destination of waste.</u> Please only include waste sent off-site for disposal or further transfer prior to disposal. Exclude Recyclable Material amounts reported in Section 5. DO NOT REPORT IN CUBIC YARDS!

- If the waste is being sent to another facility for transfer or processing prior to disposal (e.g. Transfer facility or C&D debris handling and recovery facility), please identify name, <u>address</u>, corresponding State/Country, County/Province, and Destination Planning Unit of the transfer destination and the amount of waste transferred in the "Amount to Transfer Destination" column.
- If the waste is being sent to a landfill or combustor, please identify the name, <u>address</u>, corresponding State/Country, County/Province, and Destination Planning Unit of the disposal destination and the amount of waste being sent for disposal in the "Amount to Disposal Destination" column.

Specify transport method, list type of material(s) and percentages of total waste transported by each:

% Road: Waste Type(s):			% Rail: Waste Type(s):						
% Water: Wa	ste Type(s):		% Other (specify:): Waste Type(s):						
		ER OR DISPO	SAL DESTINA	ATION					
TYPE OF SOLID WASTE	SOLID WASTE MANAGEMENT FACILITY TO WHICH IT WAS SENT (Name & Address)	DESTINATION STATE OR COUNTRY	DESTINATION COUNTY OR PROVINCE	DESTINATION NYS PLANNING UNIT (See Attached List of NYS Planning Units	AMOUNT TO TRANSFER DESTINATION (TONS)	AMOUNT TO DISPOSAL DESTINATION (TONS)	TOTAL YEAR (TONS)		
Asbestos									
						<u> </u>			
Construction & Demolition (C&D)									
Debris									
Industrial Waste									
(Including Industrial Process									
Sludges)									

TRANSFER OR DISPOSAL DESTINATION								
TYPE OF SOLID WASTE	SOLID WASTE MANAGEMENT FACILITY TO WHICH IT WAS SENT (Name & Address)	DESTINATION STATE OR COUNTRY	DESTINATION COUNTY OR PROVINCE	DESTINATION NYS PLANNING UNIT (See Attached List of NYS Planning Units	AMOUNT TO TRANSFER DESTINATION (TONS)	AMOUNT TO DISPOSAL DESTINATION (TONS)	TOTAL YEAR (TONS	
Municipal Solid Waste (MSW) (Residential, Institutional & Commercial)								
Oil/Gas Drilling Waste								
Petroleum Contam inated Soil								
Sewage Treatment Plant Sludge								
Treated Regulated Medical Waste								
Emergency Authorization Waste (Storm Debris)								
Other (specify)								
					TOTAL SENT	(tone)		

If the waste type is not listed, use one of the "Other" lines and fill in the name of the material. If more "Other" lines are needed, cross out an unused type and fill in the other waste name. If still more "Other" lines are needed, attached another copy of this page, cross out an unused type, and fill in the other waste name.

SECTION 5 - PERMITTED TRANSFER FACILITY RECYCLABLE & RECOVERED MATERIALS

Is your facility also a permitted or registered Recyclables Handling & Recovery Facility?
☐ Yes; Complete Section 5 for material recovered from the mixed solid waste stream. Complete a Recyclables Handling & Recovery Facility (RHRF) form for material received as source separated. The RHRF form is located at: http://www.dec.ny.gov/chemical/52706.html .
No; Complete Section 5 for material recovered from the mixed solid waste stream and for material received as source separated.

A. Service Area of Recyclable Material Received Please identify where the recyclable materials are coming from. DO NOT REPORT IN CUBIC YARDS!

- If the materials WERE received from another solid waste management facility, please write in the name and <u>address</u> of the facility along with the appropriate state, county and planning unit/municipality.
- If the materials **WERE NOT** received from another solid waste management facility, please write in "**Direct Hauf**" along with the appropriate state, county and planning unit/municipality where the recyclables were generated.

	SERVICE AREA OF REC	YCLABLE MATE	RIAL RECEIVED	(where the material is com	ing from)
MATERIAL	SOLID WASTE MANAGEMENT FACILITY FROM WHICH IT WAS RECEIVED (Name & Address) OR "Direct Hau!"	SERVICE AREA STATE OR COUNTRY	SERVICE AREA COUNTY OR PROVINCE	SERVICE AREA NYS PLANNING UNIT (See Attached List of NYS Planning Units	TONS RECEIVED
Commingled Containers (metal, glass, plastic)					
Commingled Paper (all grades)	Direct Haul	New York	Manhattan T	New York City ▼	79,487
Single Stream (total)					
Brush, Branches, Trees, & Stumps					
Food Scraps					
Yard Waste (curbside)					
Other (specify)					
			ТО	 TAL RECEIVED (tons)	79,487

If the material type is not listed, use one of the "Other" lines and fill in the name of the material. If more "Other" lines are needed, cross out an unused type and fill in the other materials name. If still more "Other" lines are needed, attached another copy of this page, cross out an unused type, and fill in the other materials name.

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SECTION 5 – PERMITTED TRANSFER FACILITY RECYCLABLE & RECOVERED MATERIALS (continued) B. Material Recovered

<u>Please identify destination of recovered materials.</u> Indicate the name of the facility, <u>address</u>, corresponding State/Country, County/Province, Destination Planning Unit/Municipality and the amount of material transferred. DO NOT REPORT IN CUBIC YARDS!

Specify transport metho	od, list type of material(s) and percentages of total waste tra	ensported by each	:				
% Road: Material	(s):	% Rail: Material(s):					
% Road: Material 100 % Water: Material	al(s):Paper	% Other (s	pecify:): Material(s):			
Tr.							
	PAPER REG	COVERED					
RECOVERED MATERIAL	DESTINATION (Name & Address)	DESTINATION STATE OR COUNTRY	DESTINATION COUNTY OR PROVINCE	DESTINATION NYS PLANNING UNIT (See Attached List of NYS Planning Units	TONS RECOVERED (out of facility)		
Commingled Paper (all grades)	VISY/Pratt Paper MIII, 4435 Vicory Blvd, Staten Island NY 10314	New York	Richmond County	New York City	79,487		
Corrugated Cardboard							
Junk Mail							
Magazines							
Newspaper							
Office Paper							
Paperboard/ Boxboard			***				
Other Paper (specify)							
			TOTAL PAPER	RECOVERED (tons): 7	9,487		

If the material type is not listed, use one of the "Other" lines and fill in the name of the material. If more "Other" lines are needed, cross out an unused type and fill in the other materials name. If still more "Other" lines are needed, attached another copy of this page, cross out an unused type, and fill in the other materials name.

SECTION 5 - PERMITTED TRANSFER FACILITY RECYCLABLE & RECOVERED MATERIALS (continued)

B. Material Recovered

		ASS RECOVERED			
RECOVERED MATERIAL	DESTINATION (Name & Address)	DESTINATION STATE OR COUNTRY	DESTINATION COUNTY OR PROVINCE	DESTINATION NYS PLANNING UNIT (See Attached List of NYS Planning Units	TONS RECOVERED (out of facility)
Container Glass					
Industrial Scrap Glass					
Other Glass (specify)					
			TOTAL GLASS R	ECOVERED (tons):	
	ME	TAL RECOVERED			
RECOVERED MATERIAL	DESTINATION (Name & Address)	DESTINATION STATE OR COUNTRY	DESTINATION COUNTY OR PROVINCE	DESTINATION NYS PLANNING UNIT (See Attached List of NYS Planning Units	TONS RECOVERED (out of facility)
Aluminum Foil / Trays					
Bulk Metal (from MSW)					
Bulk Metal (from CD debris)					
Enameled Appliances/ White Goods					
Industrial Scrap Metal					
Tin & Aluminum Containers					
Other Metal (specify)					
			TOTAL METAL R	ECOVERED (tons):	

If the material type is not listed, use one of the "Other" lines and fill in the name of the material. If more "Other" lines are needed, cross out an unused type and fill in the other materials name. If still more "Other" lines are needed, attached another copy of this page, cross out an unused type, and fill in the other materials name.

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SECTION 5 - PERMITTED TRANSFER FACILITY RECYCLABLE & RECOVERED MATERIALS (continued)

B. Material Recovered

	PLA	ASTIC RECOVERED			
RECOVERED MATERIAL	DESTINATION (Name & Address)	DESTINATION STATE OR COUNTRY	DESTINATION COUNTY OR PROVINCE	DESTINATION NYS PLANNING UNIT (See Attached List of NYS Planning Units	TONS RECOVERED (out of facility)
Commingled Plastic (#1 - #7)					
PET (plastic #1)					
HDPE (plastic #2)					
Other Rigid Plastics (#3 - #7)					
Industrial Scrap Plastic					
Plastic Film & Bags	-				
Other Plastics (specify)					-
				RECOVERED (tons):	
	MISCELLANE	OUS MATERIAL RECOVE	RED		
RECOVERED MATERIAL	DESTINATION (Name & Address)	DESTINATION STATE OR COUNTRY	DESTINATION COUNTY OR PROVINCE	DESTINATION NYS PLANNING UNIT (See Attached List of NYS Planning Units	TONS RECOVERED (out of facility)
Electronics					
Textiles	-				
Other (specify)					
		TOTAL MISCELLA	NEOUS MATERIA	AL RECOVERED (tons):	

If the material type is not listed, use one of the "Other" lines and fill in the name of the material. If more "Other" lines are needed, cross out an unused type and fill in the other materials name. If still more "Other" lines are needed, attached another copy of this page, cross out an unused type, and fill in the other materials name.

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SECTION 5 - PERMITTED TRANSFER FACILITY RECYCLABLE & RECOVERED MATERIALS (continued)

B. Material Recovered

	MIXED MATERIA	AL RECOVERED			
RECOVERED MIXED MATERIAL	DESTINATION (Name & Address)	DESTINATION STATE OR COUNTRY	DESTINATION COUNTY OR PROVINCE	DESTINATION NYS PLANNING UNIT (See Attached List of NYS Planning Units	TONS RECOVERED (out of facility)
Commingled Containers (metal, glass, plastic)					
Commingled Paper & Containers					
Single Stream					
Other (specify)					
		TOTAL	MIYED MATERIA	L RECOVERED (tons):	•
	ORGANIC MATER		I H PART MARKET HAVE BEEN WAY	ie recovered (tors).	
RECOVERED MATERIAL	DESTINATION (Name & Address)	DESTINATION STATE OR COUNTRY	DESTINATION COUNTY OR PROVINCE	DESTINATION NYS PLANNING UNIT (See Attached List of NYS Planning Units	TONS RECOVERED (out of facility)
Brush, Branches, Trees, & Stumps					
Food Scraps					
Yard Waste (curbside)					<u> </u>
Other (specify)					
		TOTAL OF	CANIC MATERIA	L RECOVERED (tons):	
<u> </u>		TOTAL OR	GANIO WAI ERM	L RECOVERED (IONS):	<u> </u>

If the material type is not listed, use one of the "Other" lines and fill in the name of the material. If more "Other" lines are needed, cross out an unused type and fill in the other materials name. If still more "Other" lines are needed, attached another copy of this page, cross out an unused type, and fill in the other materials name.

SECTION 6 - UNAUTHORIZED SOLID WASTE

	Date	e Received	Type Received	Date Disp	osed	Disposal Me	ethod & Location		
	<u> </u>			Radiation I	Monitoring				
s your facility us	e a fixed ra	diation monit	tor? Yes		•				
tify Manufacture	r	and N	Model	of fixed u	ınit.				
_			/lodelYes		unit.				
s your facility us	e a portable	e radiation m		■ No					
s your facility us	e a portable	e radiation m	onitor? Yes _	No of fixed u	unit.				
s your facility us itify Manufacture e radiation monit	e a portable	e radiation m and M een triggered	onitor? YesYes	No of fixed u	unit. dent:	Boo Gara	Dimensi	Rem	oved
s your facility us	e a portable rors have be	e radiation m and M een triggered	onitor? YesYes	No of fixed u	unit.	Reading	Disposal Status	Rem Date	oved Time
s your facility use tify Manufacture e radiation monite Incident	e a portable r ors have be	e radiation m and N een triggered	onitor? Yes Yes Model Yes	No of fixed u	unit. dent: Truck	Reading			
s your facility use tify Manufacture e radiation monite Incident	e a portable r ors have be	e radiation m and N een triggered	onitor? Yes Yes Model Yes	No of fixed u	unit. dent: Truck	Reading			
s your facility use tify Manufacture e radiation monite Incident	e a portable r ors have be	e radiation m and N een triggered	onitor? Yes Yes Model Yes	No of fixed u	unit. dent: Truck	Reading			

THE CITY
OF
NEW YORK



ANNUAL COMPREHENSIVE FINANCIAL REPORT OF THE

COMPTROLLER

FOR THE

FISCAL YEARS ENDED JUNE 30, 2021 AND 2020

SCOTT M. STRINGER

Comptroller

Pollution Remediation Obligations

The pollution remediation obligations (PROs) at June 30, 2021 and June 30, 2020, summarized by obligating event and pollution type, respectively, are as follows:

Obligating Event	Fiscal Ye	ar 2021	Fiscal Year 2020		
	Amount	Percentage	Amount	Percentage	
	(in thousands)		(in thousands)		
Imminent endangerment	\$ 15	0.01%	\$ 1.7	0.01%	
Named by regulator as a potentially responsible party	67,794	30.53	68,500	27.26	
Voluntary commencement	154,244	69.46	182,733	72.73	
Total	\$222,053(1)	100.00%	\$251,250 ⁽¹⁾	100.00%	
Pollution Type	Amount	Percentage	Amount	Percentage	
	(in thousands)		(in thousands)		
Asbestos removal	\$105,984	47.73%	\$111,044	44.20%	
Lead paint removal	20,831	9.38	36,226	14.42	
Soil remediation	25,447	11, 46	34,510	13.74	
Water remediation	50,796	22.88	57,815	23.01	
Other	18,995	8.55	11,655	4.63	
Total	\$222,053 ⁽¹⁾	100.00%	\$251,250(1)	100.00%	

O There are no expected recoveries to reduce the liability.

The PRO liability is derived from registered multi-year contracts which offsets cumulative expenditures (liquidated/unliquidated) against original encumbered contractual amounts. The potential for changes to existing PRO estimates is recognized due to such factors as: additional remediation work arising during the remediation of an existing pollution project; remediation activities may find unanticipated site conditions resulting in necessary modifications to work plans; changes in methodology during the course of a project may cause cost estimates to change, e.g., the new ambient air quality standard for lead considered a drastic change will trigger the adoption of new/revised technologies for compliance purposes; and changes in the quantity which is paid based on actual field measured quantity for unit price items measured in cubic meters, linear meters, etc. Consequently, changes to original estimates are processed as change orders. Further, regarding pollution remediation liabilities that are not yet recognized because they are not reasonably estimable, the Law Department relates that the City has approximately 37 cases involving hazardous substances, including spills from above and underground storage tanks, and other contamination on, or caused by facilities on City-owned property; and there is also one case involving Solid Waste and one City Wastewater Treatment/Stormwater Treatment and Sewers case. Due to the uncertainty of the legal proceedings, future liabilities cannot be estimated.

The City, in compliance with the State Department of Environmental Conservation Permit Numbers 2-6302-00007/00019, 2-6102-00010/00013, 2-6106-00002/00022, 2-6204-00007/00013, and 2-6202-00005/00017 issued pursuant to 6 NYCRR Part 360, must provide financial assurance for the closure of the following Marine Transfer Stations: North Shore, Hamilton Avenue, Southwest Brooklyn, East 91st Street, and West 59th Street. Such surety instrument must conform to the requirements of 6 NYCRR Part 360.12. The liability for closure as of June 30, 2021, which equates to the total current closure cost, is \$1.06 million for North Shore, \$931 thousand for Hamilton Avenue, \$877 thousand for Southwest Brooklyn, \$1.01 million for East 91st Street, and \$230 thousand for West 59th Street. The cost estimates are based on current data and are representative of the cost that would be incurred by an independent party. The estimates are subject to adjustment for inflation and to account for changes in regulatory requirements or cost estimates. For government-wide financial statements, the liability for closures are based on total estimated current costs. For fund financial statements, expenditures are recognized using the modified accrual basis of accounting when the closure costs are incurred and the payment is due. The total liability equaling the total closure costs for the transfer stations of \$4.11 million is included under the Pollution Type "Other" in the table above.

On Monday, October 29, 2012, Superstorm Sandy hit the Mid-Atlantic East Coast. The storm caused widespread damage to the coastal and other low lying areas of the City and power failures in various parts of the City, including most of downtown Manhattan. On January 29, 2013, President Obama signed legislation providing for approximately \$50.5 billion in storm-related aid for the region affected by the storm. Although it is not possible for the City to quantify the full, long-term impact of the storm on the City and its economy, the current estimate of the direct costs to the City, NYCHH and NYCHA is approximately \$10.7 billion (comprised of approximately \$1.8 billion of expense costs and approximately \$8.9 billion of capital project costs). Such direct costs represent funding for emergency response, debris removal, emergency protective measures, repair of damaged infrastructure and long-term hazard mitigation investments. In

Financial Assurance

				NYCPI	Average
	FY19	FY20	FY21	FY19	275.769
North Shore	\$1.02	\$1.04	\$1.06	FY20	280.645
Hamilton Avenue	\$896	\$912	\$931		1.017681
Southwest Brooklyn	\$844	\$859	\$877		
East 91st Street	\$976	\$993	\$1,014	FY21	286.438
West 59th Street	\$221	\$225	\$230		1.020642



FY 18 Closure Cost Estimate					
PROJECT When 68th Street MITS - P38tY Cleasers Plan Implementation Cost Incitates removal of Sour Jesdad Insegns of Introd paper canh by tradeg the Sour Inside Insegn of paper to VISY Facility in States Intend, NY, for p	17 400	Latin.			
of mixed monor easily by tracking the four headed burger of paper to VISY Facility in Autom Island, My, for p	rossesing and imp	acraemitus et		650	
plosure activities an actified in Appendix C of the Flort SSIn Street Operations and Universe Housel			‴خصة	4	
		1			
925 West 58th 81, Henry York, NY 10019		SHEET Y	-		
CATE-SORY Order of Magnitude Cost Extraorism			1 1	1	
DATE	NO DESIGN COMP	LETED	DATE #1		
B. Howls 7/3/2019 ONTERESTRY DAYE	FINAL DESIGN	274	77663	WIN	
N.Comillo 7/6/2018	OTHER: Plan of Ast	Evilles			
OFFICEL	CIUSART Trans	Marshama	BATTERIAL B	NO LAUROR	
			Closus	attenu poets	TOTAL
Chief in Authorities purished to State Champs Plan - William Street					
NYC Preveling stage rates 66/1/2019 for Journsymen and Apprentises			Li		
	(1.7)		146	200	1,451
	Estador (EL)	16	5 482	300	1(3) 1(2) 1(2) 1(3) 1(3) 1(3)
Compa Books		- 10	\$ 2 (SE	2,000	1/22
Heating and Vendledon Bystom	Mary Mary	24	2196	100	2.810
	Charles and Aller	45_	\$ 1 637 5 2 614	3000	LY 3.807
Study, Fire Albrin, Raddition Detection, Electroni, Becurity Bystems		16	(312	127	5,812
	Plantage J&A	- 44	0.70	<u> </u>	8 201
अस्तर स्वामीय		- y -	4 497		100
COLUMN TO THE PARTY OF THE PART		- 5 -	1 (45)	3 3 200	8 7 TED
BEST PERSONNEL	Enchroler w/ALL/)	7	1.14 616	1	715
Creamings Demonstr Farm Water Piping and Water Health		12	1,648		
Domestic and Fire Water Piping and Water Health	Electricismi (ASA)	- M	1 111	500	1,617
	Life(horigityth(Life)	38	143	200	3 8/9
Stationary mechanism Equipment (FM-200 and Victoria Vortex Fire Suppression Systems)	Philippeni, J.A.	70	1 6/8	2,00	1,843 3,665 2,753
and the state of t	Einchreigne (A.B.VO.	39	1 730	1,000	
	Minimple (ILA)	20 20		\$ 1,00u	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	TipaPipaFitiga(AA)	40	186	9 500	1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
	Tesecuter(2)	20	993	3	11.000
General Facility	Consideration Call	20	1,183	2,000	10.960
	Tagerratur(2)	32	1 2 2 207	\$ 2,000	4 - 4.007
CSNY Sub-seriality Vestor Carried	mentalizations			8,000	B 5 550
DSAY Control Polity Employee Committee on Million property	NΈ	_	1	1 20,000	\$6,000
		المراجعة	a maring and		143,740
			-		
Sund 4 bargus with 300 torm of mixed paper each to VISY Facility, States Island			t		
	Bush Lebasson	32	1		
Assesses 2 decidands suring suring departure process 1 departure per day. 2 full days work for crew (1) Tulp Service (1) Salts of TS to VMSY Pagest Facility — but they, 8470 per hour, 4.5 bours per high	Deck Laborat(2)	322	\$ 1,294	\$ 100	72-4-1
(1) Toly Beryon W 5221 M15 to VISY Paper Facility - but style, set is per nour, els spurs per rep			 	\$ 4,311	
(73 HARDEN COM AT VISY JA				* -	-
		-	JON about garny		1,546
					
Post Olimpir Marchineses for Diff. YEAR (7)	1			:	
Lightly ImpedimiPAI Proprier	Inchretor by AAM	DB	1 142 1 100 1 100	3 2 500	10.43
	(,,,)	96		1,656	100
			1 7 65	1 100	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Consultate/CEM			10,500	5 50,080
			h 10% observator		
					1 47,389
Pro-Replact activity	Plantagra Jaha		1,196	300	\$ 400 1 (100)
	A A A A A A A A A A A A A A A A A A A		1.44X	200	1.00
Your for All Work plus once year mainlenance and rectari at and of year	<u> </u>	Subdistal Wil	A Next continues on the second		6 4,191
TOTAL AND ADOLE DATA COURT LESS AND INCREMENTS THE DATE OF LAND	1	 	Total	w/o contingency	6 94 100
T. Alternative 2008	20%	-	Total	with contingentry	
Configured 50%				Reynded	E 221,0\$1
Assertables:	<u> </u>			N=U/GEQ	3 221,190
CALLED TO BE A STATE OF THE STA					

MTG has a 20-year needs #e on of FY20.

INTO has a 20-year-unful file as of PYZD.

At work performed by Usan infor (Journaymen/Apprentices) issued on Union Compact rates and maximum daily hours. No eventions or material pressiums was indeed, Year 2016 Costs coloristed Labor released pursuant to May, 2019 - NY Shreau of Labor Perveting Water Rates with Pringes and baselite

Electricate(A)-Journeymen. Electricien(A)-Apprentice all others Jacksonson, Apaperentice

1) For all large bandling docid see third reference sheet.

2) Market the existing contract between NYO, VETY pays IDBNY pay Lon of paper delivered becomes of the material vestor of the issues super an seguidadic for its paper production operations. Under this cioquire constato, a to exceeding contract between NYO, and VETY, VETY pays IDBNY pay Lon of paper delivered becomes of the material vestor of the issues super an seguidadic for its paper production operations. Under this cioquire constato, a to exceeding contract the USEY will enter an extendit from the largest of the CENTY for use as issertance in the paper production operations and Seet DSNY will not receive a free trace of the contract of the paper production operations are seen to the contract of the paper production operations are seen to the contract of the paper production operation.

3) Monstray identification of the paper production of the paper

NYC Prevailing Wage rates - as of May 1, 2019

Employer Payrofi Texos and Workers Compensation Insurance

				Benevia soute
Workmens Comp	WC		3,26%	Emalliares freehouse combine sing history house languages com a description of hardware commences from
Secial Security	58		6.20%	https://www.ks.gov/textopica/ici https://itemsithuskruss.com/ite-taxas-unumployment-insurance-and-workers-camp/
Medicare	MC		1,45%	https://www.ks.pov/lestopics/(c).https:///ksmellouriness.com/fice-lauge-unemployment-insurance-and-workers-compl
State Unemployment	SUI		3.20%	minte_seter-noiludriencytetrop
Fed Unemployment	FUI		0.60%	Internative and the second of the second
		Total Javan	14.70%	veries besed on many factors

Providing Wage Rates

Source Wage/Fritige Article 8 Prevailing Wage Rates for 07/01/2018 - 06/30/2019 Published by the New York State Department of Labor, Last Published on May 01 2019, New York County Data

	https://aps	ecations lab	or.en .co v/vem/bublic\/	ewPWCharges_do?melhod=show	n e e e e e e e e e e e e e e e e e e e
	Www.s	Fringes	WC.SS,MC.SYI,FUI	TOTAL	Reference
Union Trade - New York Co	жатту				
Electrican (A)	3 56 00	\$ 55,72	\$8,23		progs 11. based on Electricism Author/Spund and Temp Light/Power 5/01/2019
Elec Apprentice (M)	3 29 0G	\$ 27,65	\$4.26		page 11.12 based on Electroian Audio/Sound and Tamp Ught/Power 5/1/19 from term/MU 13-18 mos.
Phylorox Leborer (1)	3 3900	5 27,32	\$5.74		page 19,20 based on skilled demolition belong
Laboret Appreniibe (A)	₹ 22.17	\$ 37.79	\$3,26	\$ 43.22	page 20 based on 1st learn
Plumber (J)	\$ 68,90	3 35.30	\$10,13		pinger 44, includes eddr1 for 1/5/2019
E-kambers Apprentice (A)	\$ 29.03	\$ 12.01	\$4.27		page 45, besed on 50-66th term
Pipefilter (j)	\$ 64.06	\$ 49.93	\$9,42		page 48, based on steamhtier
Pipolitter Apprentice (A)	\$ 25.66	\$ 2020	\$3,77		page 49, based on 1st term
Teamster	3 41,19	\$ 48.72	\$6,95		page 49, based on Teamster-Henry Construction, dump trucks
Mahwright (J)	\$ 52.70	\$ 53.16	\$7.75		page 6, based on Carpenter Building Milkwight
Atheripis Apprentice (A)	\$ 29.53	\$ 34.23	\$4.16		page 6, based on 1st tenm
HeavyEqupOperator	4 74.10	\$ 3120			page 37, based on Operating engineer - Heavy Construction 2 Group 24
Transit Palentar	2 6 74 50	\$ 12.57	\$7.57	40.45	France 38.39, barrier on Countries evolution - Marine Crediting Cines D

Merine Transfer Charges Calculation of Barge Towing Charge

Per discussions w/ DSNY manager of VISY contract, Greg Turek on 4/17/2	Continent		
DSNY manages the barge samportation from the W 59th MTS to VISY	Under the existing contract, VISY reimburges DSNY for this cost, and pays a		
	monthly fee for parge leasing. Linder the closure aconario, no paryments from		
		VISY are antidopeted.	
(terr)	Amount	Note	
Barge Transport Cost	\$479	par hour	
Translit Time MTS to VISY	4.6	hours	
Barges per Tow.	2	Two beinges per trip	
Namber of Barges to be loved	4	Possible to stors/moor 4 barges at W 58th Street	
Total Berge Transport Cost	\$4,311	Two trips @ 4.5 hours per trip @ \$470 per hour	

	SECTION 8 - PROBLEMS							
Were any problems encountered during the facility procedures)?	reporting period (e.g., specific occurre	ences which have led to changes in						
☐ Yes ■ No If yes, attach additional problem.	, , , , , , , , , , , , , , , , , , , ,							
	SECTION 9 - CHANGES							
Were there any changes from approved rep	orts, plans, specifications, and permit	conditions?						
☐ Yes ☐ No If yes, attach additional sheets identifying changes with a justification for each change.								
SECTION 10 - PERMIT/C	ONSENT ORDER REPORTING	G REQUIREMENTS						
Are there any additional permit/consent order	er reporting requirements not covered	by the previous sections of this form?						
☐ Yes ■ No If yes, attach additional responses.	sheets identifying the reporting require	ments with their respective						
SECTION 11 - SIGNA	TURE AND DATE BY OWNER	OR OPERATOR						
Owner or Operator must sign, date and sub attachment for Regional Office addresses, o The Owner or Operator must also submit one	email addresses and Materials Mana							
Div Bun	Department of Environmental Cor vision of Materials Management eau of Solid Waste Management 625 Broadway Albany, New York 12233-7260 Fax 518-402-9041 Iress: SWMFannualreport@dec.ny							
certify, under penalty of law, that the data a direction and supervision in compliance with a pather and evaluate this information. I am aw section 71-2703(2) of the Environmental Con-	and other information identified in this a system designed to ensure that qualivare that any false statement I make in servation Law and section 210.45 of the	report have been prepared under my fied personnel properly and accurately such report is punishable pursuant to						
Signature	Date	040 005 4000						
John Capo	Director of Solid Waste Management	646 885 4693						
Name (Print or Type)	Title (Print or Type)	Phone Number						
125 Worth Street	New York	NY 10013						
Address	City	State and Zip						
capo@dsny.nyc.gov								
Email (Print or Type)								
ATTACHMENTS: YES NO (Pleas	se check appropriate line)							