NYS DEC Current Descriptive Data of Municipal Wastewater Treatment Plants

Data Dictionary

Data Label	Data Type	Data Description
Permittee Name	Text	The permittee names are given using the notations: (C) – City (T) – Town (V) – Village (H) – Hamlet SD - Sewer District WWTP - Waste Water Treatment Plant EFC - New York State Environmental Facilities Corporation NYC DEP - New York City Department on Environmental Protection Privately owned facilities and those municipally-owned treatment plants which provide service other than to the general populace have been excluded.
Facility Name	Text	The facility names are given using the notations: (C) – City (T) – Town (V) – Village (H) – Hamlet SD - Sewer District WWTP - Waste Water Treatment Plant EFC - New York State Environmental Facilities Corporation NYC DEP - New York City Department on Environmental Protection Privately owned facilities and those municipally-owned treatment plants which provide service other than to the general populace have been excluded.

County	Text	Refers to the county in which the treatment plant is located
SPDES Number	Text	Refers to the New York State Pollution Discharge Elimination System (SPDES) permit number; additional information may be found at http://www.dec.ny.gov/permits/6054.html.
Chief Operator	Numeric	Refers to the person or business designated as chief operator by the permittee.
Phone Number	Text	The telephone number used to contact the chief operator.
Receiving Waterbody	Text	Indicates the name of the receiving waters to which the facility discharges.
Drainage Basin	Text	Indicates the major basin in which the discharge is located according to the following code: 01 - Lake Erie - Niagara River 02 - Allegheny River 03 - Lake Ontario & Minor Tribs 04 - Genesee River 05 - Chemung River 06- Susquehanna River 07 - Seneca - Oneida - Oswego Rivers 08 - Black River 09 - St. Lawrence River 10 - Lake Champlain 11 - Upper Hudson River 12 - Mohawk River 13 - Lower Hudson River 14 - Delaware River 15 - Passaic - Newark Rivers 16 - Housatonic River 17 - Atlantic Ocean - Long Island Sound
Stream Class	Text	Indicates the water quality classification of the receiving waters. Additional information regarding stream class designations may be found at http://www.dec.ny.gov/regs/2485.html and https://data.ny.gov/Energy-Environment/Waterbody-Classifications/8xz8-5u5u.
Year Built	Numeric	Refers to the year when the existing treatment plant was first constructed.
Year Updated	Numeric	Refers to the year in which the most recent improvement to the treatment facility were made,

		if any; field will be blank if no information on recent improvement is available.
Design Flow	Numeric	Indicates the design flow of the treatment plant in units of million gallons per day (gpd), as indicated in the most recent SPDES permit.
Plant Class	Text	Refers to the certification required for the chief operator based on scoring of the plant's treatment train (additional information may be found at http://www.dec.ny.gov/chemical/8707.html): Activated Sludge Treatment, with a definition of a biological treatment process in which a mixture of wastewater and activated sludge is agitated and aerated. The activated sludge is subsequently separated from the treated wastewater by sedimentation and wasted or returned to the process as needed. 4A: plant score greater than 75 points 3A: plant score between 56 and 75 points 2A: plant score between 31 and 55 points 1A: plant score or less than 30 points Any biological oxidation process other than activated sludge. 4: plant score greater than 75 points 3: plant score between 56 and 75 points 2: plant score between 31 and 55 points 1: plant score or less than 30 points Exemptions: Septic systems followed by subsurface leaching facilities with eventual discharge to ground

		waters, regardless of design capacity; Septic tanks followed by open or covered intermittent sand filters, with design capacity less than 50,000 gpd; and wastewater treatment plants which treat industrial wastes exclusively are exempt from having a certified chief operator or assistant/shift operator.
Population Served	Numeric	Refers to the estimation of people living within the service area and connected to the facility.
Number Employees	Numeric	Refers to the number of employees at the facility. The term "+P/T" refers to the fact the facility also has some part time employees.
Collection System	Text	"S" indicates that the tributary collection system is a separate one; "C" indicates a combined sewer system.
Equalization	Text	. NOT SPECIFIED A AERATED CS CSO SPECIFY TREATMENT _____ S SUMP T SURGE TANK VF VARIABLE FREQUENCY DRIVE PUMPS
Screening	Text	. NOT SPECIFIED B BAR RACK/SCREEN (1/2" TO 2" OPENINGS) BH BAR RACK/SCREEN (HAND CLEANED) BM BAR RACK/SCREEN (MECHANICALLY CLEANED) C COMMINUTOR/BAR MUNITOR CB BAR MUNITOR CC COMMUNITOR CI IN PIPE COMMUNITOR F FINE SCREEN (LESS THAN 1/8" OPENINGS) FH FINE SCREEN, HAND CLEANED

		FM FINE SCREEN, MECHANICALLY CLEANED R COARSE RACK RH COARSE SCREEN-HAND CLEANED RM COARSE SCREEN-MECHANICALLY CLEANED SR SCREEN RACK (SELF CLEANING) WW WEDGE WIRE SCREEN (ROTATING/FIXED)
Grit Removal	Text	. NOT SPECIFIED A AERATED GRIT CHAMBER C GRIT CHAMBER (GRAVITY SEPARATION) CC GRIT CLASSIFIER CM GRIT CHAMBER MECHANICAL GRIT REMOVAL D CYCLONE DEGRITTER DT DETRITUS TANKS M MECHANICALLY MIXED AIRLIFT GRIT CHAMBER V VORTEX GRIT CHAMBER
Pretreatment	Text	. Not Specified A AERATION C CLARIFIER CO COAGULATION G CHLORINE GAS H HYPOCHLORITE O OTHER MEANS OA GREASE REMOVAL DIFFUSED AIR

		OG GREASE TRAP P POTASSIUM PERMANGANATE SB SEQUENCING BATCH REACTOR ST SETTLING TANK
Primary Settling	Text	. NOT SPECIFIED D TWO STORY (CLARIGESTER) I IMHOFF TANK/DOTEN TANK M MECHANICALLY CLEANED CLARIFIER P PLAIN CLARIFIER WITH HOPPER BOTTOM PR PRECIPITATION S SEPTIC TANK SG SPIRAGESTER SI INDIVIDUAL SEPTIC SYSTEM ST SETTLING TANK T TUBE SETTLER TS TRAY SETTLERS UB FACILITY UNBUILT
Intermediate Treatment	Text	. NOT SPECIFIED AM MODIFIED AERATION C INTERMEDIATE SETTLING F FLOCCULATION G COAGULATION P PRECIPITATION RB ROTATING BIOLOGICAL CONTACTOR

		RF	ROUGHING TRICKLING FILTERS
Biological Treatment	Text	.	NOT SPECIFIED
		A	HIGH RATE ACTIVATED SLUDGE
		C	CONTACT STABILIZATION
		D	OXIDATION DITCH
		E	EXTENDED AERATION
		G	STAGED AERATION
		MC	MIXING – COARSE BUBBLE
		MF	MIXING – FINE BUBBLE
		MM	MIXING – MECHANICAL
		N	CONVENTIONAL ACTIVATED SLUDGE
		O	PURE OXYGEN ACTIVATED SLUDGE
		P	PLUG FLOW ACTIVATED SLUDGE
		R	COMPLETE MIX ACTIVATED SLUDGE
		RD	ROTATING BIOLOGICAL CONTACTOR
		S	STEP AERATION ACTIVATED SLUDGE
		SB	SEQUENCING BATCH REACTOR
		SC	SECONDARY CLARIFIER
		T2	TWO-STAGE TRICKLING FILTER
		TC	COVERED TRICKLING FILTER
		TF	TRICKLING FILTER
		TH	HIGH RATE TRICKLING FILTER
		TL	LOW RATE TRICKLING FILTER

		TS SYNTHETIC MEDIA TRICKLING FILTER (BIOTOWER)
Filters	Text	. NOT SPECIFIED AC ACTIVATED CARBON COLUMNS DE DIATOMACEOUS EARTH MC MICROFILTRATION (CBUDS) MF MICROFILTRATION (MEMBRANE) MM MULTIMEDIA (DUAL MEDIA) FILTRATION P PRESSURE FILTERS PF PLATE & FRAME RD ROTATING DISK RS RECIRCULATING SAND FILTERS S SAND FILTERS (NOT SPECIFIED) SB BURIED SAND FILTER SC CONTINUOUS BACKWASH SAND FILTERS SI INTERMITTENT SAND FILTERS SR RAPID SAND (HIGH RATE) FILTERS
Disinfection	Text	. NOT SPECIFIED C CONTACT TANK DG DECHLORINATION G CHLORINE GAS DISINFECTION GB CHLORINE GAS-BACKUP SYSTEM GC CHLORINE GAS – CONTACT TANK GP CHLORINE GAS – IN DISCHARGE PIPE

		GS	CHLORINE GAS – SEASONAL
		H	HYPOCHLORITE DISINFECTION
		HB	HYPOCHLORITE – BACKUP SYSTEM
		HC	HYPOCHLORITE – CONTACT TANK
		HP	HYPOCHLORITE – IN DISCHARGE PIPE
		HS	HYPOCHLORITE – SEASONAL
		S	SEASONAL
		T	CHLORINE TABLETS
		TB	CHLORINE TABLETS – BACKUP SYSTEM
		TC	CHLORINE TABLETS – CONTACT TANK
		UV	ULTRAVIOLET
Metering	Text	.	NOT SPECIFIED
		DM	DOPPLER FLOWMETER
		DS	DOSING SIPHON COUNTER
		KN	KENNISON NOZZLE
		M	FLOWMETER - UNSPECIFIED
		MF	MAGNETIC FLOWMETER
		OF	OTHER FLUME TYPES
		P	PROPELLER/TURBINE
		PF	PARSHALL FLUME
		PO	PUMP OPERATION TIME
		PR	PUMP RECORDS
		TP	TRIBUTARY POPULATION
		U	ULTRASONIC

		VM	VELOCITY METER
		VT	VENTURI TUBE
		W	WEIR
Sludge Digestion	Text	.	NOT SPECIFIED
		A	AEROBIC SLUDGE DIGESTION MECHANICAL AERATION
		D	AEROBIC SLUDGE DIGESTION DIFFUSED AERATION
		DA	AEROBIC (NOT SPECIFIED)
		DD	AEROBIC (USING AERATION TANKS)
		DO	AEROBIC PURE OXYGEN
		N	ANAEROBIC SLUDGE DIGESTION (UNSPECIFIED)
		NP	ANAEROBIC SLUDGE DIGESTION SINGLE STAGE
		NS	ANAEROBIC SLUDGE DIGESTION TWO STAGE
Sludge Thickening	Text	.	NOT SPECIFIED
		A	FLOTATION--AIR
		C	IN CLARIFIER ("CLARITHICKENER")
		P	GRAVITY
		SC	SLUDGE CONCENTRATOR
Sludge Dewatering	Text	.	NOT SPECIFIED
		B	BAG SYSTEM
		BP	BELT FILTER PRESS

		C CENTRIFUGE DD DRUM DRYER GT GRAVITY BELT THICKENER PF PLATE & FRAME PRESS V VACUUM FILTER (NOT SPECIFIED) VC VACUUM FILTER (COIL) VF VACUUM FILTER (FABRIC)
Sludge Conditioning	Text	. NOT SPECIFIED FC FERRIC CHLORIDE FS FERROUS CHLORIDE L LIME TREATMENT O WET AIR OXIDATION P POLYMER PP POTASSIUM PERMANGANATE S IRON SALT OR ALUM SC SODIUM CHLORITE Y ELUTRIATION
Sludge Drying Beds	Text	. NOT SPECIFIED C COVERED DRYING BEDS CA COVERED ASPHALT CS COVERED SAND H HEATED L LAGOON DRYING BED O OPEN DRYING BED

		OA OPEN-ASPHALT OS OPEN-SAND RB REED BEDS V VACUUM ASSISTED
Sludge Storage	Text	. NOT SPECIFIED A HOLDING TANK-AERATED C COVERED STORAGE TANKS CM COVERED WITH MIXING DT DECANT TANKS L LAGOON M WITH MIXING O OPEN STORAGE TANKS
Sludge Disposal	Text	. NOT SPECIFIED A ASH LAGOONS C COMPOSTING CO COMPOSTING - OFF SITE D USED FOR FERTILIZER I INCINERATED (NOT SPECIFIED) IF INCINERATED FLUIDIZED BED IM MULTIPLE HEARTH INCINERATOR L LAGOON LS LANDSPREADING N LANDFILL NC LANDFILL COVER

		OS	ON SITE
		R	LAND RECLAMATION
		S	TO ANOTHER TREATMENT PLANT
		T	SCAVENGER
Lagoons	Text	.	NOT SPECIFIED
		A	AERATED LAGOONS
		FA	FACULTATIVE AERATED
		FB	FLOATING BIOLOGICAL CONTACTOR
		H	HOLDING LAGOON
		O	STABILIZATION
		P	SETTLING LAGOON
		RB	RECHARGE BED
		RF	OVERFLOW RETENTION FACILITY
		S	SEEPAGE (NO DISCHARGE)
		T	EMERGENCY STORAGE ONLY
Additional Treatment	Text	.	NOT SPECIFIED
		A	CARBON ASORPTION
		AS	AIR STRIPPING
		B	BREAKPOINT CHLORINATION
		BM	STORMWATER BMP
		C	CHEMICAL COAGULATION AND SETTLING
		CL	COOLING WATER TREATMENT
		F	FILTRATION
		L	POLISHING LAGOONS

		M	MICROSCREENING
		N	NITROGEN REMOVAL (NOT SPECIFIED)
		NA	ONE STAGE BIOLOGICAL NITRIFICATION
		NB	TWO STATE BIOLOGICAL NITRIFICATION
		ND	DENITRIFICATION
		NF	NUTRIENT FEED (AMMONIA)
		OF	OVERLAND FLOW
		OS	OIL SEPARATION
		PA	POST AERATION
		PB	PHOSPHORUS REMOVAL (BIOLOGICAL)
		PC	PHOSPHORUS REMOVAL (CHEMICAL)
		PR	PHOSPHORUS REMOVAL (NOT SPECIFIED)
		SC	ADDITIONAL CLARIFICATION
		SI	SPRAY IRRIGATION
		ST	SETTLING TANK
		TC	TERTIARY CLARIFIER
		TS	TUBE SETTLER EFFLUENT POLISHING
		U	NEUTRALIZATION
		WL	ARTIFICIAL WETLAND
		X	CHEMICAL OXIDATION