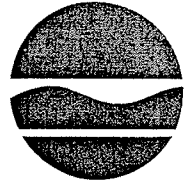


**New York State Department of Environmental Conservation
Division of Environmental Permits, Region 5**

2 Golf Course Road – P. O. Box 220, Warrensburg, New York 12885-0220
Phone: (518) 623-1240 • **FAX:** (518) 623-3603
Website: www.dec.state.ny.us

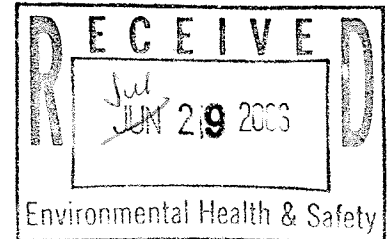


Denise M. Sheehan
Commissioner

July 27, 2006

Mr. David Roberts, EHS Manager
GE Silicones, LLC
260 Hudson River Road
Waterford, NY 12188

Re: Modified State Pollutant Discharge Elimination System (SPDES)
Discharge Permit #NY0008605
DEC Permit #5-4154-00002/00969
GE Silicones
Waterford (T), Saratoga (Co)



Dear Mr Roberts:

Enclosed is the final version of the modified SPDES Permit that has been issued to GE Silicones. The effective date of this permit is October 1, 2006.

Should you or your staff have any questions regarding this permit please contact either Brian Baker at 518-402-8124 or Al Matrose at 518-623-1229.

Sincerely,

Walter L. Haynes
Deputy Regional Permit Administrator

WLH;jz

cc: B. Baker
A. Matrose
USEPA- Phil Sweeney
S. Cristifulli



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
State Pollutant Discharge Elimination System (SPDES)
DISCHARGE PERMIT

Industrial Code: 2821
Discharge Class (CL): 03
Toxic Class (TX): T
Major Drainage Basin: 11
Sub Drainage Basin: 01
Water Index Number: H
Compact Area:

SPDES Number: NY- 000 8605
DEC Number: 5-4154-00002/00969
Effective Date (EDP): 04/01/05
Expiration Date (ExDP): 03/31/10
Modification Dates: 10/01/06

This SPDES permit is issued in compliance with Title 8 of Article 17 of the Environmental Conservation Law of New York State and in compliance with the Clean Water Act, as amended, (33 U.S.C. §1251 et.seq.)(hereinafter referred to as "the Act").

PERMITTEE NAME AND ADDRESS

Name: GE Silicones, LLC
Street: 260 Hudson River Road
City: Waterford
Attention: Shawn Williams, Silicones-Americas GM
State: NY Zip Code: 12188

is authorized to discharge from the facility described below:

FACILITY NAME AND ADDRESS

Name: GE Silicones, LLC
Location (C,T,V): Waterford (T)
Facility Address: 260 Hudson River Road
City: Waterford
County: Saratoga
State: NY Zip Code: 12188

NYTM -E: From Outfall No.: 001 at Latitude: 42 ° 48 ' 59 " & Longitude: 73 ° 39 ' 39 "
NYTM - N: into receiving waters known as: Hudson River Class: A

and; (list other Outfalls, Receiving Waters & Water Classifications)

See page 2 of this Permit.

in accordance with: effluent limitations; monitoring and reporting requirements; other provisions and conditions set forth this permit; and 6 NYCRR Part 750-1.2(a) and 750-2.

DISCHARGE MONITORING REPORT (DMR) MAILING ADDRESS

Mailing Name: GE Silicones, LLC
Street: 260 Hudson River Road
City: Waterford
State: NY Zip Code: 12188
Responsible Official or Agent: Dave Roberts, EHS Manager Phone: (518)233-2870

This permit and the authorization to discharge shall expire on midnight of the expiration date shown above and the permittee shall not discharge after the expiration date unless this permit has been renewed, or extended pursuant to law. To be authorized to discharge beyond the expiration date, the permittee shall apply for permit renewal not less than 180 days prior to the expiration date shown above.

DISTRIBUTION:

Bureau of Water Permits
USEPA - Region II
W. Wasilowski, Region 5 RWE

Permit Administrator: Walter L. Haynes	
Address: NYSDEC, 232 Golf Course Rd. Warrensburg, NY 12885	
Signature: <i>Walter L. Haynes</i>	Date: 7/27/2006

FACILITY OUTFALL LISTING

<u>Outfall</u>	<u>Latitude and Longitude</u>	<u>Wastewater(s) Discharged</u>	<u>Receiving Water</u>	<u>Class</u>	<u>FN</u>
001	42° 48' 59", 73° 39' 39"	Storm, Cooling, Non-Process	Hudson River	A	1,2
002	42° 48' 52", 73° 39' 36"	Process wastewater, incinerator scrubwater, non contact cooling water, storm water, groundwater recovery, landfill leachate, non process wastewater	Hudson River	A	1,2
02A	42° 48' 52", 73° 39' 42"	Process, Cooling, Storm, Non-Process, Groundwater Recovery, Landfill Leachate	N/A - Internal Outfall		1,2
02C	42° 48' 54", 73° 39' 49"	Incinerator Scrubwater	N/A - Internal Outfall		2
SUM	N/A - Sum of 001 & 002	Process, Cooling, Storm, Non-Process, Incinerator Scrubwater, Groundwater Recovery, Landfill Leachate	Hudson River	A	2
003	42° 49' 09", 73° 40' 28"	Storm	Mudder Kill Creek trib of Hudson River	C	
004	42° 49' 10", 73° 40' 18"	Storm	Mudder Kill Creek trib of Hudson River	C	
005	42° 49' 09", 73° 40' 17"	Storm	Mudder Kill Creek trib of Hudson River	C	
006	42° 49' 10", 73° 40' 26"	Storm	Mudder Kill Creek trib of Hudson River	C	
007	42° 49' 10", 73° 40' 23"	Storm	Mudder Kill Creek trib of Hudson River	C	
008	42° 49' 10", 73° 40' 19"	Storm	Mudder Kill Creek trib of Hudson River	C	
009	42° 49' 09", 73° 40' 18"	Storm	Mudder Kill Creek trib of Hudson River	C	
10A	42° 48' 57", 73° 40' 16"	Storm	Drainage Ditch to Mudder Kill Creek	C	
10B	42° 48' 55", 73° 40' 16"	Storm	Drainage Ditch to Mudder Kill Creek	C	
011	42° 48' 54", 73° 40' 52"	Storm	Old Champlain Canal, Drainage Ditch to Mudder Kill Creek	C	
012	42° 49' 00", 73° 39' 43"	Intake screen backwash	Hudson River	A	
013	42° 48' 47.8", 73° 40' 17.5"	Storm	Drainage Ditch to Unnamed Tributary of Hudson River	C	
014	42° 49' 09", 73° 40' 05"	Storm	Mudder Kill Creek trib of Hudson River	C	
015	42° 49' 11", 73° 40' 34"	Fire Pond overflow	Mudder Kill Creek trib of Hudson River	C	
020	TBD	Treated process wastewater, incinerator scrubwater, non contact cooling water, storm water, non-process wastewater, landfill leachate, and groundwater recovery	Hudson River	A	2
021	TBD	Stormwater Overflow from Outfall 020	Hudson River	A	2

Footnotes:

1. A more detailed description of the sources of the non-process related wastewater is contained in Attachment A of the March 31, 2006 Fact Sheet for this Permit, or subsequent revision approved by this Department.
2. Outfalls 001, 002, and internal monitoring points 02A, and 02C shall be replaced by process water Outfall 020 and storm overflow Outfall 021 at the conclusion of the lagoon upgrade project (LUP) as set forth in paragraph I.A.4 of Order on Consent #CO5-20020302-29, or any subsequent modifications.

PERMIT LIMITS, LEVELS AND MONITORING DEFINITIONS

OUTFALL	WASTEWATER TYPE	RECEIVING WATER	EFFECTIVE	EXPIRING		
	This cell describes the type of wastewater authorized for discharge. Examples include process or sanitary wastewater, storm water, non-contact cooling water.	This cell lists classified waters of the state to which the listed outfall discharges.	The date this page starts in effect. (e.g. EDP or EDPM)	The date this page is no longer in effect. (e.g. ExDP)		
PARAMETER	MINIMUM	MAXIMUM	UNITS	SAMPLE FREQ.	SAMPLE TYPE	
e.g. pH, TRC, Temperature, D.O.	The minimum level that must be maintained at all instants in time.	The maximum level that may not be exceeded at any instant in time.	SU, °F, mg/l, etc.			
PARA-METER	EFFLUENT LIMIT	PRACTICAL QUANTITATION LIMIT (PQL)	ACTION LEVEL	UNITS	SAMPLE FREQUENCY	SAMPLE TYPE
	Limit types are defined below in Note 1. The effluent limit is developed based on the more stringent of technology-based standards, required under the Clean Water Act, or New York State water quality standards. The limit has been derived based on existing assumptions and rules. These assumptions include receiving water hardness, pH and temperature; rates of this and other discharges to the receiving stream; etc. If assumptions or rules change the limit may, after due process and modification of this permit, change.	For the purposes of compliance assessment, the analytical method specified in the permit shall be used to monitor the amount of the pollutant in the outfall to this level, provided that the laboratory analyst has complied with the specified quality assurance/quality control procedures in the relevant method. Monitoring results that are lower than this level must be reported, but shall not be used to determine compliance with the calculated limit. This PQL can be neither lowered nor raised without a modification of this permit.	Type I or Type II Action Levels are monitoring requirements, as defined below in Note 2, that trigger additional monitoring and permit review when exceeded.	This can include units of flow, pH, mass, Temperature, concentration. Examples include µg/l, lbs/d, etc.	Examples include Daily, 3/week, weekly, 2/month, monthly, quarterly, 2/yr and yearly.	Examples include grab, 24 hour composite and 3 grab samples collected over a 6 hour period.

Note 1: DAILY DISCHARGE: The discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for the purposes of sampling. For pollutants expressed in units of mass, the 'daily discharge' is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurement, the 'daily discharge' is calculated as the average measurement (concentration) of the pollutant over the day.

DAILY MAX.: The highest allowable daily discharge. **DAILY MIN.:** The lowest allowable daily discharge.

DAILY AVG or 30 DAY ARITHMETIC MEAN (30 day average): The highest allowable average of daily discharges over a calendar month, calculated as the sum of each of the daily discharges measured during a calendar month divided by the number of daily discharges measured during that month.

7 DAY ARITHMETIC MEAN (7 day average): The highest allowable average of daily discharges over a calendar week.

30 DAY GEOMETRIC MEAN: The highest allowable geometric mean of daily discharges over a calendar month, calculated as the antilog of : the sum of the log of each of the daily discharges measured during a calendar month divided by the number of daily discharges measured during that month.

7 DAY GEOMETRIC MEAN: The highest allowable geometric mean of daily discharges over a calendar week.

RANGE: The minimum and maximum instantaneous measurements for the reporting period must remain between the two values shown.

Note 2: ACTION LEVELS: Routine Action Level monitoring results, if not provided for on the Discharge Monitoring Report (DMR) form, shall be appended to the DMR for the period during which the sampling was conducted. If the additional monitoring requirement is triggered as noted below, the permittee shall undertake a short-term, high-intensity monitoring program for the parameter(s). Samples identical to those required for routine monitoring purposes shall be taken on each of at least three consecutive operating and discharging days and analyzed. Results shall be expressed in terms of both concentration and mass, and shall be submitted no later than the end of the third month following the month when the additional monitoring requirement was triggered. Results may be appended to the DMR or transmitted under separate cover to the same address. If levels higher than the Action Levels are confirmed, the permit may be reopened by the Department for consideration of revised Action Levels or effluent limits. The permittee is not authorized to discharge any of the listed parameters at levels which may cause or contribute to a violation of water quality standards. **TYPE I:** The additional monitoring requirement is triggered upon receipt by the permittee of any monitoring results in excess of the stated Action Level. **TYPE II:** The additional monitoring requirement is triggered upon receipt by the permittee of any monitoring results that show the stated action level exceeded for four of six consecutive samples, or for two of six consecutive samples by 20 % or more, or for any one sample by 50 % or more.

PERMITS PERMIT LIMITS, LEVELS AND MONITORING

OUTFALL NUMBER	WASTEWATER TYPE	RECEIVING WATER	EFFECTIVE	EXPIRING
SUM	Sum of Outfalls 001 & 002 (see further description on Facility Outfall Listing and Fact Sheets)	Hudson River	10/1/2006	Completion of LUP

PARAMETER	EFFLUENT LIMIT		PQL	MONITORING ACTION LEVEL		UNITS	SAMPLE FREQUENCY	SAMPLE TYPE	FN
	Daily Avg.	Daily Max.	Daily Max.	TYPE I	TYPE II				
Flow	Monitor	Monitor	NA			MGD	Continuous	Calculated	1,5,17
BOD, 5 day, net	1631	3390	NA			lb/day	Weekly	Calculated	1,14
Solids, Total Suspended, net	2700	5500	NA			lb/day	Weekly	Calculated	1,14
Nitrogen, Total Kjeldahl, net	Monitor	Monitor	NA			lb/day	Weekly	Calculated	1,14
Chlorine, Total Residual	Monitor	212	NA			lb/day	Weekly	Calculated	1
Phenolics, Total, net	2.5	9.0	NA			lb/day	Weekly	Calculated	1,14,18
Copper, Total	Monitor	49.3	NA			lb/day	Weekly	Calculated	1
Copper, Dissolved	Monitor	Monitor	NA			lb/day	Weekly	Calculated	1
Zinc, Total, net	Monitor	40	NA			lb/day	Weekly	Calculated	1,14
Benzene	Monitor	3.6	NA			lb/day	Weekly	Calculated	1
Chlorobenzene	Monitor	3.2	NA			lb/day	Weekly	Calculated	1
Ethylbenzene	Monitor	2.9	NA			lb/day	Weekly	Calculated	1
Toluene	1.1	2.3	NA			lb/day	Weekly	Calculated	1
Xylenes, Total	Monitor	2.0	NA			lb/day	Weekly	Calculated	1
Vinyl Chloride	Monitor	1.5	NA			lb/day	Weekly	Calculated	1
Chloroform	Monitor	4.5	NA			lb/day	Weekly	Calculated	1
Methyl Chloride	Monitor	6.3	NA			lb/day	Weekly	Calculated	1
Trichloroethylene	Monitor	2.2	NA			lb/day	Weekly	Calculated	1
1-Trichloroethane	Monitor	2.0	NA			lb/day	Weekly	Calculated	1

Footnotes and Special Conditions for this outfall: see pages 13 to 15 of this Permit.
 Spill Sampling for this outfall: see page 8 of this Permit.

PERMIT PERMIT LIMITS, LEVELS AND MONITORING

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OUTFALL NUMBER	WASTEWATER TYPE	RECEIVING WATER	EFFECTIVE	EXPIRING
02A	Process Wastewater, Non-contact cooling, Storm water, Non-process wastewater, Groundwater Recovery, Landfill Leachate (see Footnote 11)	Internal Outfall, to Hudson River via Outfall 002	10/1/2006	Completion of LUP

PARAMETER	MINIMUM	MAXIMUM	UNITS	SAMPLE FREQUENCY	SAMPLE TYPE	FOOTNOTES (FN)
pH	6.0	9.0	SU	Continuous	Meter	5,8

PARAMETER	EFFLUENT LIMIT		PQL	MONITORING ACTION LEVEL		UNITS	SAMPLE FREQUENCY	SAMPLE TYPE	FN
	Daily Avg.	Daily Max.	Daily Max	TYPE I	TYPE II				
Flow	Monitor	Monitor	NA			MGD	Continuous	Meter	5
BOD, 5 day	1294	2956	NA			lb/day	4x/week	Composite	6,10,15
Solids, Total Suspended	1662	4846	NA			lb/day	4x/week	Composite	6,10,15
Nitrogen, Total Kjeldahl	200	500	NA			lb/day	4x/week	Composite	6,10,15
Oil & Grease	Monitor	15	NA			mg/l	4x/week	Grab	7
Chlorine, Total Residual	Monitor	212	NA			lb/day	4x/week	Grab	15
Phenolics, Total	0.87	1.57	NA			lb/day	4x/week	Composite	10,15,18
Copper, Total	Monitor	49.3	NA			lb/day	4x/week	Composite	10,15
Copper, Dissolved	Monitor	Monitor	NA			lb/day	4x/week	Composite	10,15
Benzene	1.07	3.6	NA			lb/day	4x/week	Composite	10,15
Chlorobenzene	0.75	3.2	NA			lb/day	4x/week	Composite	10,15
Ethylbenzene	0.96	2.9	NA			lb/day	4x/week	Composite	10,15
Toluene	0.82	2.3	NA			lb/day	4x/week	Composite	10,15
Xylenes, Total	0.66	1.4	NA			lb/day	4x/week	Composite	10,15
Chloroform	1.4	3.0	NA			lb/day	4x/week	Composite	10,15
Methyl Chloride	3.6	6.3	NA			lb/day	4x/week	Composite	10,15
Trichloroethylene	0.93	2.2	NA			lb/day	4x/week	Composite	10,15
1-Trichloroethane	0.93	2.0	NA			lb/day	4x/week	Composite	10,15
Chromium, Total			NA	1.0		lb/day	4x/week	Composite	10,15
Cobalt, Total			NA	0.4		lb/day	4x/week	Composite	10,15
Iron, Total		Monitor	NA			lb/day	4x/week	Composite	10,15
1-Dichloroethylene			NA	0.1		lb/day	4x/week	Composite	10,15

OUTFALL NUMBER	WASTEWATER TYPE	RECEIVING WATER	EFFECTIVE	EXPIRING
02C	Incinerator scrubwater	Internal Outfall, to Hudson River via Outfall 002	10/1/2005	Completion of LUP

No routine monitoring required - see Short Term High Intensity Monitoring Program, page 19 of this Permit.

Footnotes and Special Conditions for this outfall: see pages 13 to 15 of this Permit.
 Spill Sampling for this outfall: see page 8 of this Permit.

INTERIM PERMIT LIMITS, LEVELS AND MONITORING

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OUTFALL NUMBER	WASTEWATER TYPE	RECEIVING WATER	EFFECTIVE	EXPIRING
001	Stormwater, Noncontact Cooling Water, Non-Process Water	Hudson River	10/1/2006	Completion of LUP

PARAMETER	MINIMUM	MAXIMUM	UNITS	SAMPLE FREQUENCY	SAMPLE TYPE	FOOTNOTES (FN)
pH	6.0	9.0	SU	Continuous	Meter	1,8

PARAMETER	EFFLUENT LIMIT		PQL	MONITORING ACTION LEVEL		UNITS	SAMPLE FREQUENCY	SAMPLE TYPE	FN
	Daily Avg.	Daily Max.	Daily Max.	TYPE I	TYPE II				
Flow	Monitor	Monitor	NA			MGD	Continuous	Meter	1,5
Oil and Grease	Monitor	15	NA			mg/l	Weekly	Grab	1,7
Visible Sheen	Monitor	0	NA			NA	Daily	Visual	1,2
BOD, 5 day	Monitor	Monitor	NA			lb/day	Weekly	Composite	1,6,10,15
Solids, Total Suspended	Monitor	Monitor	NA			lb/day	Weekly	Composite	1,6,10,15
Nitrogen, Total Kjeldahl	130	360	NA			lb/day	Weekly	Composite	1,6,10,15
Chlorine, Total Residual	Monitor	0.9	NA			mg/l	Weekly	Grab	1,15
Phenolics, Total	Monitor	Monitor	NA			lb/day	Weekly	Composite	1,10,15
Copper, Total	Monitor	Monitor	NA			lb/day	Weekly	Composite	1,10,15
Copper, Dissolved	Monitor	Monitor	NA			lb/day	Weekly	Composite	1,10,15
Zinc, Total	Monitor	Monitor	NA			lb/day	Weekly	Composite	1,10,15
Zinc, Dissolved	Monitor	Monitor	NA			lb/day	Weekly	Composite	1,10,15
Benzene	Monitor	Monitor	NA			lb/day	Weekly	Composite	1,10,15
Chlorobenzene	Monitor	Monitor	NA			lb/day	Weekly	Composite	1,10,15
Ethylbenzene	Monitor	Monitor	NA			lb/day	Weekly	Composite	1,10,15
Toluene	Monitor	Monitor	NA			lb/day	Weekly	Composite	1,10,15
Xylenes, Total	Monitor	Monitor	NA			lb/day	Weekly	Composite	1,10,15
Vinyl Chloride	Monitor	Monitor	NA			lb/day	Weekly	Composite	1,10,15
Chloroform	Monitor	Monitor	NA			lb/day	Weekly	Composite	1,10,15
Methyl Chloride	Monitor	Monitor	NA			lb/day	Weekly	Composite	1,10,15
Trichloroethylene	Monitor	Monitor	NA			lb/day	Weekly	Composite	1,10,15
1-Trichloroethane	Monitor	Monitor	NA			lb/day	Weekly	Composite	1,10,15

Footnotes and Special Conditions for this outfall: see pages 13 to 15 of this Permit.

Spill Sampling for this outfall: see page 8 of this Permit.

INTERIM PERMIT LIMITS, LEVELS AND MONITORING

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OUTFALL NUMBER	WASTEWATER TYPE	RECEIVING WATER	EFFECTIVE	EXPIRING
002	Process wastewater, incinerator scrubwater, non contact cooling water, storm water, groundwater recovery, landfill leachate, non process wastewater ¹¹	Hudson River	10/1/2006	Completion of LUP

PARAMETER	MINIMUM	MAXIMUM	UNITS	SAMPLE FREQUENCY	SAMPLE TYPE	FOOTNOTES (FN)
pH	6.0	9.0	SU	Continuous	Meter	8

PARAMETER	EFFLUENT LIMIT		PQL	MONITORING ACTION LEVEL		UNITS	SAMPLE FREQUENCY	SAMPLE TYPE	FN
	Daily Avg.	Daily Max.	Daily Max.	TYPE I	TYPE II				
Flow	Monitor	Monitor	NA			MGD	Continuous	Meter	1,5
Oil and Grease	Monitor	15	NA			mg/l	Weekly	Grab	1,7
Visible Sheen	Monitor	0	NA			NA	Daily	Visual	1,2
BOD, 5 day	Monitor	Monitor	NA			lb/day	Weekly	Composite	1,6,10,15
Solids, Total Suspended	Monitor	Monitor	NA			lb/day	Weekly	Composite	1,6,10,15
Nitrogen, Total Kjeldahl	430	950	NA			lb/day	Weekly	Composite	1,6,10,15
Chlorine, Total Residual	Monitor	2.0	NA			mg/l	Weekly	Grab	1,15
Phenolics, Total	Monitor	Monitor	NA			lb/day	Weekly	Composite	1,10,15
Copper, Total	Monitor	Monitor	NA			lb/day	Weekly	Composite	1,10,15
Copper, Dissolved	Monitor	Monitor	NA			lb/day	Weekly	Composite	1,10,15
Lead, Total	Monitor	0.006	NA			mg/l	Weekly	Composite	1,10,15
Zinc, Total	Monitor	Monitor	NA			lb/day	Weekly	Composite	1,10,15
Zinc, Dissolved	Monitor	Monitor	NA			lb/day	Weekly	Composite	1,10,15
Benzene	Monitor	Monitor	NA			lb/day	Weekly	Composite	1,10,15
Chlorobenzene	Monitor	Monitor	NA			lb/day	Weekly	Composite	1,10,15
Ethylbenzene	Monitor	Monitor	NA			lb/day	Weekly	Composite	1,10,15
Toluene	Monitor	Monitor	NA			lb/day	Weekly	Composite	1,10,15
Xylenes, Total	Monitor	Monitor	NA			lb/day	Weekly	Composite	1,10,15
Vinyl Chloride	Monitor	Monitor	NA			lb/day	Weekly	Composite	1,10,15
Chloroform	Monitor	Monitor	NA			lb/day	Weekly	Composite	1,10,15
Methyl Chloride	Monitor	Monitor	NA			lb/day	Weekly	Composite	1,10,15
Trichloroethylene	Monitor	Monitor	NA			lb/day	Weekly	Composite	1,10,15
1,1,1-Trichloroethane	Monitor	Monitor	NA			lb/day	Weekly	Composite	1,10,15

Footnotes and Special Conditions for this outfall: see pages 13 to 15 of this Permit.

Spill Sampling for this outfall: see page 8 of this Permit.

Sampling during Spill and Flood Events - Interim (Pre Lagoon Upgrade)

1. Whenever a reportable spill to the non-process sewer system (NPSS) occurs that can reasonably be expected to create detectable discharges of the spilled substance(s) from either of the lagoons, the permittee shall sample Outfalls 001, 002, and/or 02A as set forth in 1.(A) – (C) below. For such spill events, the monitoring set forth in 1.(A) – (C) satisfies the permittee's duty to assess compliance under 6 NYCRR §750-2.7(g).

A. Spills of petroleum, silicone, or other oil into the non-process sewer system, or visible sheen on either lagoon, and the permittee does NOT divert the affected non-process sewer to containment:

The permittee shall collect grab samples from the affected Outfall for Oil and Grease once every 6 hours until the sheen is no longer visible*. One confirmatory sample shall be collected after the sheen is no longer visible*.

B. Spills of petroleum, silicone, or other oil into the non-process sewer system, or visible sheen on either lagoon, and the permittee diverts the affected non-process sewer to containment:

The permittee shall collect grab samples from Outfall 02A for Oil and Grease once every 6 hours for 24 hours, within 6 hours of the start of flow from the containment tanks to either the wastewater treatment facility or Outfall 02A. When flow from the affected lagoon is returned to the river, grab samples shall be collected as described in 1.A. above.

C. Volatiles, metals, or other parameters not set forth in Sections 1.A. and 1.B. above, discharge routed to containment:

The permittee shall collect one 24-hour composite sample from Outfall 02A within 6 hours of the spilled material being transmitted from containment to the wastewater treatment facility for processing. The permittee shall also collect one 24-hour composite sample from the discharge from the affected outfall(s) as soon as practical after flow from the lagoon has been returned to the river. The samples shall be analyzed for the spilled material if a pollutant-specific permit limit exists. If no pollutant-specific limit exists, or the spilled material is unknown, the permittee shall conduct sampling for appropriate indicator parameter(s) (as identified in the facility's ICS list) for the affected outfall(s).

2. Monitoring is to be completed using the same sampling and analytical methods as required in this Permit for these Outfalls. Sampling will be completed at related outfalls as specified in this Permit to obtain SUM and/or net data if applicable for the affected Outfalls and parameters. The permittee may perform additional sampling as necessary in accordance with the Department's DMR Manual and Part 750-2.5(a)(2). All results from monitoring performed pursuant to this provision shall be appended to the DMR form for the month in which the event occurs. Invalid samples (lab errors, etc.) shall be reported in accordance with Special Condition 16 below.
3. The permittee may use routine sampling events to satisfy the above spill related sampling requirements, provided that the contained water is discharged at a time such that the start of the routine 24 hour composite sample is within the period during which the permittee is required to begin spill-related sampling. The permittee may adjust its routine sampling schedule in their Sampling Plan to meet the spill sample time, as long as the spill sample is initiated within 24 hours of the originally scheduled sampling event.
4. For discharges of spilled materials from containment which are not captured by routine sampling as described above, the following procedures shall be used:
 - A. Volatiles: The permittee shall begin to collect a 24 hour composite of the discharge from Outfall 02A within 6 hours of returning the contained water for treatment. This sample shall be in addition to any routine sampling event(s) which may be occurring at the start of the discharge of spilled material. In the event that valid results are not available from the additional sample, the permittee may follow the procedure outlined below for other composite parameters.
 - B. Metals and other composite parameters (BOD, TKN, TSS, etc.): The permittee may use the routine 24 hour composite sample for the 24 hour period in which the discharge from containment began, and collect a second 24 hour composite sample for the following 24 hour period. These samples may be used for routine compliance monitoring in addition to satisfying the spill sampling requirements.

* A "no longer visible sheen" is defined as a *de minimis* sheen in which a small amount of sheen or material may still be present; however, because of the quantity or location (e.g. along boom or skimmer) of the residual material, it does not pose a risk of being discharged to the outfall, exceeding an effluent limit, or causing a water quality violation.

FINAL PERMIT LIMITS, LEVELS AND MONITORING

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OUTFALL NUMBER	WASTEWATER TYPE	RECEIVING WATER	EFFECTIVE	EXPIRING
020	Treated process wastewater, incinerator scrubwater, non contact cooling water, storm water, non-process wastewater, landfill leachate, and groundwater recovery (see Footnote 11)	Hudson River	Post-LUP	4/01/2010

PARAMETER	MINIMUM	MAXIMUM	UNITS	SAMPLE FREQUENCY	SAMPLE TYPE	FOOTNOTES (FN)
pH	6.0	9.0	SU	Continuous	Meter	8

PARAMETER	EFFLUENT LIMIT		PQL	MONITORING ACTION LEVEL		UNITS	SAMPLE FREQUENCY	SAMPLE TYPE	FN
	Daily Avg.	Daily Max.	Daily Max	TYPE I	TYPE II				
Flow	Monitor	Monitor	NA			MGD	Continuous	Meter	
BOD, 5 day	1631	3390	NA			lb/day	4x/week	Composite	6,10,14,15
Solids, Total Suspended	2700	5500	NA			lb/day	4x/week	Composite	6,10,14,15
Nitrogen, Total Kjeldahl	200	500	NA			lb/day	4x/week	Composite	6,10,14,15
Oil & Grease	Monitor	15	NA			mg/l	4x/week	Grab	7
Chlorine, Total Residual	Monitor	212	NA			lb/day	4x/week	Grab	15
Phenolics, Total	2.5	9.0	NA			lb/day	4x/week	Composite	10,14,15
Copper, Total	Monitor	49.3	NA			lb/day	4x/week	Composite	10,15
Copper, Dissolved	Monitor	Monitor	NA			lb/day	4x/week	Composite	10,15
Zinc, Total, net	Monitor	40	NA			lb/day	4x/week	Composite	10,14,15
Benzene	1.07	3.6	NA			lb/day	4x/week	Composite	10,15
Chlorobenzene	0.75	3.2	NA			lb/day	4x/week	Composite	10,15
Ethylbenzene	0.96	2.9	NA			lb/day	4x/week	Composite	10,15
Toluene	1.1	2.3	NA			lb/day	4x/week	Composite	10,15
Xylenes, Total	0.66	2.0	NA			lb/day	4x/week	Composite	10,15
Chloroform	1.4	4.5	NA			lb/day	4x/week	Composite	10,15
Methyl Chloride	3.6	6.3	NA			lb/day	4x/week	Composite	10,15
Trichloroethylene	0.93	2.2	NA			lb/day	4x/week	Composite	10,15
1,1,1-Trichloroethane	0.93	2.0	NA			lb/day	4x/week	Composite	10,15
Vinyl Chloride	Monitor	1.5	NA			lb/day	4x/week	Composite	10,15
Iron, Total	Monitor	Monitor	NA			lb/day	4x/week	Composite	10,15
Chromium, Total			NA	1.0		lb/day	4x/week	Composite	10,15
Cobalt, Total			NA	0.4		lb/day	4x/week	Composite	10,15
1,1-Dichloroethylene			NA	0.1		lb/day	4x/week	Composite	10,15

Footnotes and Special Conditions for this outfall: see pages 13 to 15 of this Permit.
 Spill Sampling for this outfall: see page 12 of this Permit.

FINAL PERMIT LIMITS, LEVELS AND MONITORING

OUTFALL NUMBER	WASTEWATER TYPE	RECEIVING WATER	EFFECTIVE	EXPIRING
021	Process wastewater, Groundwater Recovery, storm water - high flow overflow discharge	Hudson River	Post-LUP	4/01/2010

PARAMETER	MINIMUM	MAXIMUM	UNITS	SAMPLE FREQUENCY	SAMPLE TYPE	FOOTNOTES (FN)
pH	6.0	9.0	SU	Continuous	Meter	8

PARAMETER	EFFLUENT LIMIT		PQL	MONITORING ACTION LEVEL		UNITS	SAMPLE FREQUENCY	SAMPLE TYPE	FN
	Daily Avg.	Daily Max.	Daily Max	TYPE I	TYPE II				
Flow	Monitor	Monitor	NA			MGD	Continuous	Meter	
BOD, 5 day	Monitor	64	NA			mg/l	Per Discharge	Grab	6,10,15,16
Solids, Total Suspended	Monitor	130	NA			mg/l	Per Discharge	Grab	6,10,15,16
Nitrogen, Total Kjeldahl	Monitor	8.0	NA			mg/l	Per Discharge	Grab	6,10,15,16
Oil & Grease	Monitor	15	NA			mg/l	Per Discharge	Grab	7,16
Chlorine, Total Residual	Monitor	0.5	NA			mg/l	Per Discharge	Grab	15,16
Phenolics, Total	Monitor	0.05	NA			mg/l	Per Discharge	Grab	10,15,16,18
Copper, Total	Monitor	2.3	NA			mg/l	Per Discharge	Grab	10,15,16
Copper, Dissolved	Monitor	Monitor	NA			mg/l	Per Discharge	Grab	10,15,16
Zinc, Total	Monitor	0.2	NA			mg/l	Per Discharge	Grab	10,15,16
Benzene	Monitor	0.12	NA			mg/l	Per Discharge	Grab	10,15,16
Chlorobenzene	Monitor	0.4	NA			mg/l	Per Discharge	Grab	10,15,16
Ethylbenzene	Monitor	0.4	NA			mg/l	Per Discharge	Grab	10,15,16
Toluene	Monitor	0.07	NA			mg/l	Per Discharge	Grab	10,15,16
Xylenes, Total	Monitor	0.04	NA			mg/l	Per Discharge	Grab	10,15,16
Chloroform	Monitor	0.3	NA			mg/l	Per Discharge	Grab	10,15,16
Methyl Chloride	Monitor	0.3	NA			mg/l	Per Discharge	Grab	10,15,16
Trichloroethylene	Monitor	0.07	NA			mg/l	Per Discharge	Grab	10,15,16
1,1,1-Trichloroethane	Monitor	0.06	NA			mg/l	Per Discharge	Grab	10,15,16
Chromium, Total	Monitor	0.015	NA			mg/l	Per Discharge	Grab	10,15,16
Cobalt, Total	Monitor	0.01	NA			mg/l	Per Discharge	Grab	10,15,16
Iron, Total	Monitor	Monitor	NA			mg/l	Per Discharge	Grab	10,15,16
1,1-Dichloroethylene	Monitor	0.005	NA			mg/l	Per Discharge	Grab	10,15,16

Footnotes and Special Conditions for this outfall: see pages 13 to 15 of this Permit.
 Spill Sampling for this outfall: see page 12 of this Permit.

