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Consolidated Edison Company
of New York, Inc.
4 Irving Place
New York NY 10003
www.conEd.com

August 13, 2013

Selvin Southwell
NYSDEC-Region 2
Division of Water
47-10 21St Street
Long Island City, NY 11101-5407

Re: Consolidated Edison Company of New York, Inc.
Astoria Outfall B
Monthly Discharge Summary – Dry and Wet Weather
July 2013
Construction Dewatering Discharge July 2013

Dear Mr. Southwell:

As required by the Astoria Consent Order, attached please find a completed monthly discharge summary for the Astoria outfall B dry and wet weather sampling as well as the average and maximum daily flows for the month of July 2013. In addition, we have included our outfall B construction dewatering discharge sampling result. There was no discharge associated with the outfall G construction project in July.

As we previously informed you, the wet weather samples taken at the dry weather flow treatment system influent during the very heavy rain event on July 1 contained 287.7 PPM TSS and 2,000 PPT PCBs, which exceeds the 100 PPM TSS action level and the 200 PPT PCB action level. Please note that the results of the subsequent wet weather samples, taken on July 9, were 1.5 PPM TSS and <65 PPT PCBs, which were below their respective action levels. We believe that the primary cause of the relatively high TSS and PCB results during the intense rainfall event on July 1 was that rain water that accumulated in a trench that was excavated between new manhole (MH) 7 and existing MH 6 carried soil from the trench into the Outfall B system via cracks and openings in the pipe within the trench and in old MH 7, which is located within the trench downstream of new MH 7, and has not yet been removed. We also believe that soil may have been washed into the system at temporary connections made between new structures and existing structures. The purpose of the temporary connections is to maintain storm water flow in the system at the end of each work day. Of course, one of the reasons for the Outfall B replacement project is to replace piping and structures that are in poor condition and that allow groundwater infiltration with new, tight structures.

The trench between new MH 7 and existing MH 6 will remain open for some time during removal of the existing structures and installation of the replacement structures. In order to address this situation, Con Edison has isolated the piping and structures within this trench by blocking the flow at new MH 7 and at existing MH 6. This could potentially create a flooding condition upstream of MH 7. However, this would be ameliorated to some degree by the storage capacity within the system, particularly in the new portion of the system that was installed as part of the North Storage Yard remediation project. In order to avoid flooding, the Outfall B contractor will pump some water that accumulated upstream of MH 7 from MH 7 to MH 6 via hoses. If flooding occurs and causes safety hazards or impacts operations to an unacceptable degree, then we may have to temporarily reconnect the system from new MH 7 to existing MH 6. We will periodically update you concerning implementation of this plan and any issues that arise.

Please call Maureen Gaffney at (212) 460-1399 or Richard Knob at (212) 460-4005 if you have any questions or need any additional information.

Very truly yours,

Franklyn Murray

Cc: Dilip Banerjee, NYSDEC Region 2, Division of Water
Enclosure

Consolidated Edison - Astoria Consent Order
Outfall B Storm Sewer Discharge Monitoring Report
Summary of Construction Dewatering Discharge Sampling Results
Surface Water

Dry Weather July 2013			7/12/2013
Parameter	**Unit**	**Effluent Limit**	**Effluent**
pH	units	6.0-9.0	7.2
Total Suspended Solids	mg/L	50	< 10
Oil & Grease	mg/L	15	**< 5.0**
Tetrachloroethene	mg/L	0.026*	**< 0.0010**
Benzene	mg/L	0.10*	**< 0.0010**
Toluene	mg/L	0.10*	**< 0.0010**
Xylenes	mg/L	0.10*	**< 0.0010**
Ethylbenzene	mg/L	0.10*	**< 0.0010**
Chromium	µg/L	50*	< 10
Copper, Total	µg/L	61*	**< 20.0**
Lead, Total	µg/L	204*	**< 1.00**
Mercury	ng/L	50*	1.70
Antimony	µg/L	63*	**< 5.90**
Cadmium	µg/L	77*	**< 5.00**
Nickel, Total	µg/L	74*	**< 40**
Beryllium	µg/L	11*	**< 3.00**
Selenium	µg/L	50*	**< 5.00**
Silver	µg/L	50*	< 10
Thallium	µg/L	20*	< 1.90
Zinc	µg/L	66*	**< 20**
PCBs/Arochlor	ng/L	200	
Aroclor 1016	ng/L		**< 65**
Aroclor 1221	ng/L		**< 65**
Aroclor 1232	ng/L		**< 65**
Aroclor 1242	ng/L		**< 65**
Aroclor 1248	ng/L		**< 65**
Aroclor 1254	ng/L		**< 65**
Aroclor 1260	ng/L		**< 65**
Temperature	°C	No Limit	29

* Action Level.
Effluent concentrations that exceed the effluent limit or action level are bolded and highlighted in yellow

Franklyn Murray 8/13/2013

Consolidated Edison - Astoria Consent Order
Outfall B Storm Sewer Discharge Monitoring Report
Summary of Dry and Wet Weather Sampling Results

Dry Weather July 2013			7/9/2013
Parameter	**Unit**	**Effluent Limit**	**Effluent**
pH	units	6.0-9.0	7.26
Oil and Grease	mg/L	15	<5.0
Total Suspended Solids	mg/L	10	<1
Benzene	ug/L	0.8	<0.8
Toluene	ug/L	5	<1.0
Ethylbenzene	ug/L	5	<1.0
Xylenes*	ug/L	5	<2.0
Cadmium	ug/L	1.2	<1.20
Copper	ug/L	24	<20
Cyanide (amenable)	ug/L	60	<1.0
Lead	ug/L	4	<1.00
Mercury	ng/L	800	<200
Nickel	ug/L	96	<40
Phenols	ug/L	8	<5.0
Zinc	ug/L	166	50
PCB Aroclor 1016	ug/L	0.065	<0.065
PCB Aroclor 1221	ug/L	0.065	<0.065
PCB Aroclor 1232	ug/L	0.065	<0.065
PCB Aroclor 1242	ug/L	0.065	<0.065
PCB Aroclor 1248	ug/L	0.065	<0.065
PCB Aroclor 1254	ug/L	0.065	<0.065
PCB Aroclor 1260	ug/L	0.065	<0.065
Temperature	Deg. C	No Limit	25.1

Wet Weather July 2013			7/1/2013	7/9/2013
Parameter	**Unit**	**Action Level**	**Influent**	**Influent**
Total Suspended Solids	mg/L	100	**287.7**	1.5
PCB Aroclor 1016	ng/L	-	<65	<65
PCB Aroclor 1221	ng/L	-	<65	<65
PCB Aroclor 1232	ng/L	-	<65	<65
PCB Aroclor 1242	ng/L	-	<65	<65
PCB Aroclor 1248	ng/L	-	<65	<65
PCB Aroclor 1254	ng/L	-	<65	<65
PCB Aroclor 1260	ng/L	-	2,000	<65
Sum of Detected PCB Aroclors	**ng/L**	**200**	**2,000**	<65

Average daily flow: 25,366 gallons/day
Max. daily flow: 58,160 gallons/day

* Results for o-xylene and m, p-xylenes are provided separately by the laboratory. If one or both are detected in a sample, then the concentration specified in the spreadsheet is the sum of the detected values. If both are not detected in a sample, then the concentration specified in the spreadsheet is less than the higher of the two detection limits.

Frank Murray 8/13/2013