



Consolidated Edison Company
of New York, Inc.
31-01 20th Avenue
Long Island City NY 11105-2048
www.conEd.com

March 15, 2013

Via Electronic Mail

Douglas MacNeal
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-1011

**Re: Monitoring Well Abandonment Report
Outfall G area, Con Edison, Astoria Facility**

Dear Mr. MacNeal:

In preparation for an upcoming major construction project to replace one of the stormwater collection and outfall systems at the Astoria facility (Outfall G), Con Edison abandoned four monitoring wells (F11B, F42S, F42D, and an unknown well) within the Outfall G project area. The work was completed on December 13, 2012 by our consultant, AECOM and their subcontractor, NYEG Drilling. The work was completed in accordance with the well abandonment request sent to the NYSDEC on November 30, 2012. Prior to abandonment, liquid levels were measured in each well using a Solinst oil/water interface probe. No separate phase hydrocarbons were detected. Depth to groundwater measurements are recorded on the attached well abandonment logs.

If you have any questions, please contact me at (718) 267-3866.

Very truly yours,

Matthew Madsen
Project Manager
Remediation
Environment, Health and Safety

cc: Barry Cohen, Con Edison
Sarah Phelan, Con Edison

WELL DECOMMISSIONING RECORD

Site Name: Con Edison, Astoria, NY	Well I.D.: F11B
Site Location: Outfall G area	Driller: Dick Warwis
Drilling Co.: NYEG Drilling	Inspector: S. Wozniakowski, AECOM
	Date: 12-13-12

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC		
<u>OVERDRILLING</u>		Depth (feet)	Cement cap	G R O U T E D I N T E R V A L
Interval Drilled				
Drilling Method(s)				
Borehole Dia. (in.)				
Temporary Casing Installed? (y/n)				
Depth temporary casing installed				
Casing type/dia. (in.)				
Method of installing				
<u>CASING PULLING</u>		10		
Method employed				
Casing retrieved (feet)				
Casing type/dia. (in)		15		
<u>CASING PERFORATING</u>				
Equipment used				
Number of perforations/foot				
Size of perforations	0.01	20		
Interval perforated				
<u>GROUTING</u>				
Interval grouted (FBLS)	Entire well	25		
# of batches prepared	1			
<u>For each batch record:</u>				
Quantity of water used (gal.)		PVC well casing left in ground.		
Quantity of cement used (lbs.)				
Cement type	Portland			
Quantity of bentonite used (lbs.)				
Quantity of calcium chloride used (lbs.)				
Volume of grout prepared (gal.)				
Volume of grout used (gal.)	~ 4			
<u>COMMENTS:</u>				
Well 21.5 feet deep. Groundwater at 15.78 feet.				
Tremie grout – 21.5 feet to 0.5 feet.				
Cement cap – 0.5 feet to grade.				

WELL DECOMMISSIONING RECORD

Site Name: Con Edison, Astoria, NY	Well I.D.: F42S (shallow)
Site Location: Outfall G area	Driller: Dick Warwis
Drilling Co.: NYEG Drilling	Inspector: S. Wozniakowski, AECOM
	Date: 12-13-12

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC	
<u>OVERDRILLING</u>		Depth (feet)	Cement cap
Interval Drilled			
Drilling Method(s)			
Borehole Dia. (in.)			
Temporary Casing Installed? (y/n)			
Depth temporary casing installed	5		
Casing type/dia. (in.)			
Method of installing			
<u>CASING PULLING</u>		10	G R O U T E D I N T E R V A L
Method employed			
Casing retrieved (feet)			
Casing type/dia. (in)			
<u>CASING PERFORATING</u>		15	I N T E R V A L
Equipment used			
Number of perforations/foot			
Size of perforations	0.01		
Interval perforated			
<u>GROUTING</u>		20	PVC well casing left in ground.
Interval grouted (FBLS)	Entire well		
# of batches prepared	1		
<u>For each batch record:</u>			
Quantity of water used (gal.)			
Quantity of cement used (lbs.)			
Cement type	Portland		
Quantity of bentonite used (lbs.)			
Quantity of calcium chloride used (lbs.)			
Volume of grout prepared (gal.)			
Volume of grout used (gal.)	~ 4		
<u>COMMENTS:</u>			
Well 17.7 feet deep. Groundwater at 6.95 feet.			
Tremie grout – 17.7 feet to 0.5 feet.			
Cement cap – 0.5 feet to grade.			

WELL DECOMMISSIONING RECORD

Site Name: Con Edison, Astoria, NY	Well I.D.: F42D (deep)
Site Location: Outfall G area	Driller: Dick Warwis
Drilling Co.: NYEG Drilling	Inspector: S. Wozniakowski, AECOM
	Date: 12-13-12

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC			
<u>OVERDRILLING</u>		Depth (feet)	8	Cement cap	
Interval Drilled				G R O U T E D I N T E R V A L	
Drilling Method(s)					
Borehole Dia. (in.)					
Temporary Casing Installed? (y/n)					
Depth temporary casing installed					
Casing type/dia. (in.)					
Method of installing					
<u>CASING PULLING</u>		16			
Method employed					
Casing retrieved (feet)					
Casing type/dia. (in)					
<u>CASING PERFORATING</u>		24			
Equipment used					
Number of perforations/foot					
Size of perforations	0.01				
Interval perforated		32			
<u>GROUTING</u>					
Interval grouted (FBLs)	Entire well				
# of batches prepared	1				
<u>For each batch record:</u>		40			
Quantity of water used (gal.)					
Quantity of cement used (lbs.)					
Cement type	Portland				
Quantity of bentonite used (lbs.)					
Quantity of calcium chloride used (lbs.)					
Volume of grout prepared (gal.)					
Volume of grout used (gal.)	~ 6.5				
<u>COMMENTS:</u>		PVC well casing left in ground.			
Well 39.6 feet deep. Groundwater at 4.68 feet.					
Tremie grout – 39.6 feet to 0.5 feet.					
Cement cap – 0.5 feet to grade.					

WELL DECOMMISSIONING RECORD

Site Name: Con Edison, Astoria, NY	Well I.D.: Unknown Well
Site Location: Outfall G area	Driller: Dick Warwis
Drilling Co.: NYEG Drilling	Inspector: S. Wozniakowski, AECOM
	Date: 12-13-12

DECOMMISSIONING DATA (Fill in all that apply)		WELL SCHEMATIC			
<u>OVERDRILLING</u>		Depth (feet)	Cement cap		
Interval Drilled					
Drilling Method(s)					
Borehole Dia. (in.)					
Temporary Casing Installed? (y/n)					
Depth temporary casing installed					
Casing type/dia. (in.)					
Method of installing					
<u>CASING PULLING</u>		5	G R O U T E D		
Method employed					
Casing retrieved (feet)					
Casing type/dia. (in)					
<u>CASING PERFORATING</u>				10	I N T E R V A L
Equipment used					
Number of perforations/foot					
Size of perforations					
Interval perforated		15	A L		
<u>GROUTING</u>					
Interval grouted (FBLs)	Entire well				
# of batches prepared	1				
<u>For each batch record:</u>		20	PVC well casing left in ground.		
Quantity of water used (gal.)					
Quantity of cement used (lbs.)					
Cement type	Portland				
Quantity of bentonite used (lbs.)					
Quantity of calcium chloride used (lbs.)					
Volume of grout prepared (gal.)					
Volume of grout used (gal.)					
COMMENTS:		25			
Well 22 feet deep. Groundwater at 15.08 feet.					
Tremie grout – 22 feet to 0.5 feet.					
Cement cap – 0.5 feet to grade.					