

November 30, 2018

Mr. Hasan Ahmed
 Project Manager
 New York State Department of Environmental Conservation
 Division of Environmental Remediation – Superfund and Brownfield Cleanup Section
 47-40 21st Street
 Long Island City, New York, 11101

Re: NYSDEC Long Island Well Permit Application – Comment Response Letter
5200 Kings Highway
Brooklyn, New York 10021
Block 7969, Lot 9

Mr. Ahmed:

NYCO has compiled this letter on behalf of the owner, PTMA 5200 Kings Highway LLC, in response to the Department’s comments received via email on November 28, 2018. Comments are provided below in italics, with NYCO’s responses below each comment. Revised documents have been included at the end of this letter.

NYSDEC Division of Water Comments:

1. *On “Region 2 LIW Dewatering System Detail Sheet” (attachment 5), the value of maximum daily pumpage is 993,600 gpd. As per NYC DEP letter dated October 10, 2018, amount of groundwater allowed to discharge is 432,000 gpd. The maximum daily pumpage must be equal or lower than the DEP allowed discharge rate.*

NYCO Response – Attachment 5 has been revised accordingly, and included at the end of this letter for your review.

2. *Show some calculation on determining the radius of influence.*

NYCO Response – Calculations for the radius of influence have been provided below:

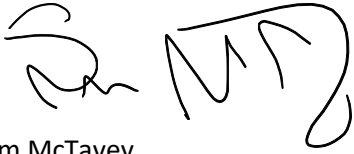
Variable	Symbol	Value	Unit
Hydraulic Conductivity	K	300	gpd/ft ²
Drawdown Time	t	8640	min.
Equivalent Radius of well system	r _s	95	ft
Initial Head (Thickness of saturated aquifer)	H	90	ft
	C ₄	4790	
Storage Coefficient	C _s	0.20	--
Transmissivity	T	27000	gpd/ft
Radius of Influence	Ro	588.96	ft

*The radius of influence was derived from the modified Jacob formula:

$$Ro = r_s + \sqrt{\frac{T \times t}{4790 \times C_s}}$$

Please contact me at 914-643-1057 with any questions or comments.

Sincerely,
NYCO Environmental and Dewatering Corp.

A handwritten signature in black ink, appearing to read 'Sam McTavey', written in a cursive style.

Sam McTavey
Senior Project Manager

cc: Matt Durcan - NYCO

Region 2 Long Island Well Dewatering System Detail Sheet

1. **PROJECT DESCRIPTION** -

Dewatering in support of remedial excavation work onsite.

2. **PROPOSED DEWATERING SYSTEM** (Complete all items)

a. Number of wellpoints	<u>10 wells</u>
b. Diameter of wellpoints	<u>12"</u>
c. Spacing of wellpoints	<u>40 - 60 feet</u>
d. Length of screen	<u>20 feet</u>
e. Depth to bottom of screen	<u>30 feet</u>
f. Number of pumps	<u>10</u>
g. Capacity of pumps	<u>69 gallons per minute</u>
h. Static water level	<u>9-11 feet bgs</u>
i. Drawdown required	<u>~12 feet max</u>
j. Duration of dewatering	<u>~3 months</u>
k. Radius of Influence	<u>600 feet</u>
l. Maximum daily pumpage	<u>432,000 GPD</u>
m. Estimated daily pumpage	<u>200,000 GPD</u>

3. **PROPOSED POINT OF DISCHARGE** (Show on site plan and check one of the following)


Surface Water _____; if checked, provide name of body of water _____

Combined or Sanitary Sewer ; if checked, provide WPCP drainage area Coney Island Sewershed

Storm Sewer _____; if checked, provide name of body of water _____ and
NYCDEP Outfall number _____

Other _____; explain _____

Prepared by: (Print) Matt Durcan

(Signature) 

(Date) 11/30/18

M. DURCAN