20-026

RESOLUTION AUTHORIZING DEWATERING PERMIT APPLICATION #20010301 NORTH WEST RESILIENCY PARK, HOBOKEN, NJ

MOTIONED BY: Velazquez
SECONDED BY: Gardiner

WHEREAS, the North Hudson Sewerage Authority (hereinafter "Authority") is a public body, duly formed under the Sewerage Authorities law, constituting Chapter 138 of the Laws of New Jersey of 1946, as amended (Chapter 14A of Title 40 of the New Jersey Statutes Annotated) and possesses the powers set forth therein; and

WHEREAS, the Authority has received a request, application #20010301 from Tomco Construction Inc., 22 Howard Blvd., Suite 204, Mt. Arlington, NJ 07856, for the purpose of approving their application for a dewatering permit of an estimated 100,000 gallons per day to the North Hudson system associated with their development of the Hoboken Northwest Resiliency Park 13th Street & Adams Street, Hoboken, NJ 07030; and

NOW, THEREFORE, BE IT RESOLVED that the Authority hereby certifies that the committed flow to the Adams Street WWTP does not exceed the presently permitted design capacity, nor will the addition of flow proposed by this application cause the permitted design capacity to be exceeded.

BE IT FURTHER RESOLVED that the Authority Engineer of the Authority is authorized to approve the necessary Certification as required by the NJDEP to grant a dewartering permit approval for a total additional flow of approximately 100,000 gallons per day.

DATED: FEBRUARY 20, 2020

RECORD OF COMMISSIONERS' VOTE

	YES	NO	ABSENT
Commissioner Soares	x		
Commissioner Kappock	x		
Commissioner Marotta	x		
Commissioner Gardiner	x		
Commissioner Friedrich	x		
Commissioner Sanchez			x
Commissioner Velazquez	x		
Commissioner Roque	x		
Commissioner White	x		

THIS IS TO CERTIFY THAT THIS RESOLUTION WAS DULY ADOPTED BY THE NORTH HUDSON BOARD OF COMMISSIONERS ON FEBRUARY 20, 2020

SECRETARY

MOTT MACDONALD

Tomac Construction Inc.
Mr. Adam Dabney
22 Howard Blvd., Suite 204
Mt. Arlington, NJ 07856

Your Reference:
Application 20010301

Our Reference:
Project 101715-001-SC02

Hoboken Northwest Resiliency Park 13th St. and Adams St., Hoboken
Block 107, Lot 1
Status: Approval Recommendation
Application: Dewatering Discharge Application for Sewer Connection

111 Wood Avenue South
Iselin NJ 08830-4112
United States of America

T +1 (800) 832 3272
F +1 (973) 376 1072
mottmac.com/americas

January 13, 2020

Mr. Dabney:

Mott MacDonald has received the following documents for review regarding the above referenced project.

- One (1) copy of the Treatment Works Approval application form TWA-1, WQM-006, and WQM-003 submitted by Tomco Construction, Inc.
- One (1) set of submittals titled "Installation of a Temporary Treatment System" for Hoboken Northwest Resiliency Park 13th St. and Adams St., Block 107 Lot 1, City of Hoboken, Hudson County, New Jersey and prepared by Moretrench, dated October 4, 2019.
- One (1) Engineering Site Plan (1 sheet) showing the proposed dewatering connection to the NHSA combined sewer system, prepared and signed by Adam Dabney of Tomco Construction on January 9, 2020.
- Descriptive narrative of the project and sampling plan.
- Temporary Treatment System Site Plan for a Carbon Media treatment system, prepared by Moretrench, Inc., dated September 1, 2019.

Mott MacDonald has reviewed the project documents and summarizes the relevant features as follows:

- The Scope of work includes disposal of water from a water treatment system. Shallow excavations on site will require dewatering, which is anticipated to be contaminated with PCB's. The proposed treatment system discharge to the NHSA combined sewer is 100,000 gallons per day.
- The proposed NHSA combined sewer connection consists of a 4-inch diameter PVC force extending from the on-site treatment system into an existing inlet at the southwestern corner of the Jefferson Street and Twelfth Street intersection. This inlet will be permanently removed as part of the Northwest Resiliency Park project and the connection shall be made

MOTT MACDONALD

directly to the lateral that connect the catch basin with the NHSA combined sewer within Jefferson Street.

- Due to known contamination within the proposed area of excavation. Therefore, the owner will sample for all NHSA sampling criteria and PCBs. The sampling plan calls for reporting of sampling upon commencement of the proposed treatment system, and subsequent monthly sampling.
- Upon completion of the dewatering discharge program, the existing storm lateral will be abandoned at its connection with the Jefferson Street trunk sewer.

The submitted documents were reviewed for compliance with NHSA sewer connection criteria. Therefore, an approval of this application is recommended.

Please contact me should you have any questions.

Very truly yours,

Mott MacDonald

Kevin P. Wynn, PE
Principal Project Manager
T +1973-912-2537 F +1973-912-2455
kevin.wynn@mottmac.com

cc: Fredric J. Pocci, P.E., NHSA
Phillip Reeve, Jacobs
Doris Alejandro, Jacobs
Karen Karvazy, P.E., Mott MacDonald

GROUNDWATER DISCHARGE APPROVAL

NORTH SEWERAGE AUTHORITY HUDSON

1600 Adams St.
Hoboken, NJ 07030
201/963-6043
Fax 201/963-3907
www.nhudsonsa.com

Application Number 20010301 Developer Number 201930

1. Applicant/Owner/Operator Tomco Construction Inc
2. Address 22 Howard Blvd, Suite 204
   Mt. Arlington, New Jersey 07856

3. Development Name Hoboken Northwest Resiliency Park
   Address 13th Street & Adams Street
   Hoboken, New Jersey 07030

   Lot Number 1 Block Number 107

   Description of Project and Intended Use:
   Disposal of Groundwater from a Water Treatment System

4. Engineer's Report Prepared by:

   Name: Adam Dabney
   Firm: Tomco Construction Inc
   Address: 22 Howard Blvd, Suite 204
   Mt. Arlington, New Jersey 07856

   Total Daily Average Flow: 100,000 GPD
   Receiving WWTP: Adams Street WWTP

5. Plan Review Approval:

   As the authorized representative of this Authority, I hereby certify that this application is approved in accordance with the adopted rules and regulations of the North Hudson Sewerage Authority. Final connection approvals are subject to the Zoning ordinances of the respective municipality.

   SUBJECT TO APPROVAL RECOMMENDATION BY MOTT MACDONALD, DATED 01/13/2020.

   FREDRIC J. POCCI Date: 2/4/20

   NORTH HUDSON SEWERAGE AUTHORITY CORPORATE SEAL 1988 NEW JERSEY

   RAISED SEAL NOT REQUIRED

6. Connection Approval

   Final approval will be conditioned upon the applicant giving 24 Hour notice of any scheduled plumbing sub-code connection inspection to the North Hudson Sewerage Authority at 201-795-1411. Connections to sewer pipes will be made by core drilling a circular opening and installing a tapping saddle with a stainless-steel band. Connections to brick sewers will be made by core drilling and sealed with an approved gasket to prevent leakage. The Plumbing Sub-Code Official shall have sole and exclusive power to inspect, accept or reject connections to the collection system, pursuant to permits issued by the Office of the Construction Code Official.

   Philip G. Reeve, Assistant Project Director Date:

cc: Construction Code Official

TWA - 1

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER QUALITY

Reset form

Treatment Works Approval Permit Application

Refer to Instructions on Page 4 and Provide All Applicable Information. Please Print or Type.

1. Applicant/Owner*

Name Tomco Construction Inc. Telephone (973) 361-7755

Permanent Legal Address 22 Howard Blvd., Suite 204

City or Town Mt. Arlington State NJ Zip Code 07856 E-mail adabney@tomcoinc.net

* *Applicant/Owner should be the eventual owner of the proposed Treatment Works.*

2. Location of Activity

Name of Facility/Site **Hoboken Northwest Resiliency Park**

Street Address/Location **13th St. and Adams St.**

Lot No. **1** Block No. **107**

City or Town **Hoboken** State **NJ** Zip Code 07030

Municipality **Hoboken** County Hudson

3. New Jersey Licensed Professional Engineer

Name _____ N.J. License No. _____

Name of Firm, if employee _____

Mailing Address _____

City or Town _____ State _____ Zip Code _____

Telephone ( ) _____ Fax ( ) _____ E-Mail _____

4. Estimated Construction Cost and Application Fee

A. Cost of treatment works proposed in this application $_____
(Attach a breakdown of the cost of all items related to the construction of the proposed treatment works).

B. Application Fee $ $3,000.00
(In accordance with N.J.A.C. 7:1C-1.5 et seq., made payable to Treasurer, State of NJ, Environmental Services Fund).

5. Other Required Permits

If any of the the following applications have been submitted for this project, provide the applicable information.

Permit Type	Application Status (check one) Pending	Approved*	Application Date (or Application No.)
• Treatment Works Approval	☐	☐	
• Exemption From Sewer Ban	☐	☐	
• Water Quality Management Plan Amendment	☐	☐	
• CAFRA	☐	☐	
• Stream Encroachment	☐	☐	
• Freshwater Wetlands	☐	☐	
• Tidal or Coastal Wetlands	☐	☐	
• Waterfront Development	☐	☐	
• NJPDES Permits	☐	☐	
• Pinelands Certificate	☐	☐	
• Delaware & Raritan Canal Commission	☐	☐	
• Hackensack/Meadowlands Commission	☐	☐	
• Other Related Approvals	☐	☐	

(If any of the above applications were approved, please provide a copy of the approval with this application).*

6. Project Description (Brief Description of Proposed Treatment Works and Intended Use).

Scope of work includes disposal of water from a water treatment system. Shallow excavations on site will require dewatering, which is anticipated to be contaminated with PCB's.

7. APPLICANT'S AGENT (Optional)

I, _____
(Applicant/Owner's Name)
authorize to act as my agent/representative in all matters pertaining to my application the following person:

Name_____ Position _____

Address_____City_____

State _____ Zip Code _____Telephone ( ) _____

_____ _____ _____ _____
Signature of Agent Date Signature of Applicant/Owner Date

8. PROPERTY OWNER'S CERTIFICATION

I hereby certify that City of Hoboken
(Property Owner's Name)
owns the property identified in this application. As owner, I grant permission for the activity to be permitted under this application and authorize the Department of Environmental Protection to conduct on-site inspections, if necessary. If the construction activity will take place in an easement, I certify that with this application, I presently have or will obtain permission of the property owner(s) prior to initiation of construction of this proposed treatment works.

_____ _____
Signature of Owner Date

Print or Type: Name and Position _____

9. STATEMENT OF PREPARER OF PLANS, SPECIFICATIONS AND ENGINEER'S REPORT AND/OR ABSTRACT

I hereby certify that the engineering plans, specifications, and engineer's report and/or abstract applicable to this project comply with the current rules and regulations of the Department of Environmental Protection with the exceptions as noted.

_____ _____
Signature of Engineer Date

Print or Type: Name and Position_____

PROFESSIONAL ENGINEER'S
EMBOSSED SEAL

10. Proper Construction and Operation Clause

I, the Applicant/Owner, Tomco Construction Inc. agree that the treatment works will be properly constructed and operated in accordance with the engineering plans, specifications and conditions under which approval is granted by the Department of Environmental Protection.

Adam Dabney Digitally signed by Adam Dabney Date: 2020.01.02 13:10:10 -05'00' 1/2/2020

Signature of Applicant/Owner Date

Print or Type: Name and Position Adam Dabney - Project Manager

11. Certification by Applicant/Owner

I certify, under penalty of law, that the information provided in this application and the attachments is true, accurate, and complete. I am aware that there are significant civil and criminal penalties for submitting false, inaccurate, or incomplete information, including fines and/or imprisonment.

Adam Dabney Digitally signed by Adam Dabney Date: 2020.01.02 13:10:16 -05'00' 1/2/2020

Signature of Applicant/Owner Date

Print or Type: Name and Position Adam Dabney - Project Manager

Instructions for Completing Form TWA - 1

This form should accompany all Treatment Works Approval permit applications.

1. **General Information** - (items #1 through #4, #6) Complete the requested applicant and project information.
2. **Other Required Permits** (item # 5) - Please list all permits issued for the subject project (in addition to the permits being applied for at this time).
3. **Signatures** (items #7 through #11) - All signatures must comply with N.J.A.C. 7:14A-4.9 and N.J.A.C. 7:14A-22.8. Where indicated under items #1, #10 and #11, the applicant/owner should be the eventual owner of the proposed treatment works. Item #8 shall be completed by the owner of the property.

Should you need assistance in completing the application, please call the appropriate phone number listed below:

• **Bureau of Construction & Connection Permits** (609) 984-4429 Municipal Treatment Works, Industrial Treatment Works, Sewer Extension, Sewer Ban Exemption, Subsurface Disposal Systems	•**Bureau of Nonpoint Pollution Control** (609) 633-7021 Alternate Design Septic Systems (design flow less than 2,000 GPD)

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Division of Water Quality

Reset Form

ENGINEER'S REPORT for DOMESTIC TREATMENT WORKS APPROVAL APPLICATIONS

INSTRUCTIONS

- Complete all applicable sections and certifications.
- Justifications for any exceptions from the regulations at N.J.A.C. 7:14A - 23 et seq. must be submitted. (Additional sheets may be attached if necessary.)
- All supplemental information required to be submitted along with this engineer's report must be signed, sealed, and dated by a professional engineer, licensed to practice in the State of New Jersey.
- **For Treatment Works other than collection and/or conveyance, please attach a separate Engineer's Report in accordance with N.J.A.C. 7:14A - 23.5.**

GENERAL INFORMATION

Applicant: Tomco Construction Inc. Municipality: Hoboken

Project Name: Northwest Resiliency Park County: Hudson

Name of Receiving Sewage Treatment Plant: NHSA 1600 Adams St., Hoboken, NJ

NJPDES Permit Number:

Effluent Receiving Waters:

Scope of Project:

Scope of work includes disposal of water from a water treatment system. Shallow excavations on site will require dewatering, which is anticipated to be contaminated with PCB's

Contributory Flow: *For assistance in completing this chart, refer to N.J.A.C. 7:14A - 23.3.*

Establishment Type		Number of Measurement Units		Gallons per Day per Unit		Projected Flow (G.P.D.)
Water Treatment System		1	X	100,000	=	100,000
			X		=	
			X		=	
			X		=	

Combined Projected Flow: .1 M.G.D.
Existing Contributory Flow (if any): M.G.D.
TOTAL FLOW: .1 **M.G.D.**

1. WASTEWATER CONVEYANCE SYSTEMS

(A) GRAVITY SEWER SYSTEMS

Diameter (inches)	Total Length (feet)	Material Type	"n" Value	Max. MH Spacing (feet)	Min. Slope (%)	Max. Velocity (ft/sec)	Max. Capacity (M.G.D.)
3	20	PVC					.1

1.	What is the minimum cover (as measured from the top of the pipe to the grade elevation) provided along the entire sewer line?	ft.		
2.	What is the infiltration and/or exfiltration limit for testing purposes (gallons per inch of pipe per mile per day)?			
		YES	NO	N/A
3.	Are sewers within 100 feet of a public water supply well or a below-grade reservoir?	☐	☑	☐
4.	Are sewers located at least 10 feet horizontally from potable water lines and/or at least 18 inches below potable water lines and in separate trenches, including crossings?	☑	☐	☐
5.	Are sewers crossing streams located within 10 feet of a stream embankment encased in concrete?	☐	☐	☑
6.	Is a drop pipe provided for sewers entering manholes above the manhole invert wherever the difference in elevation is two feet or more?	☐	☐	☑
7.	Are all manholes located more than 100 feet from a public water supply well or a below-grade reservoir?	☐	☐	☑
8.	Are watertight covers used where street elevations are less than 10 feet above the North American Vertical Datum of 1988 and/or where the top of a manhole may be flooded by street runoff or high water?	☐	☐	☑
9.	Are the sanitary sewers designed to carry at least twice the estimated average projected flow when flowing half full?	☑	☐	
10.	Have adequate provisions been made for the ventilation of manholes?	☑	☐	
11.	If siphons are part of this project, are they in conformance with N.J.A.C. 7:14A - 23.7?	☐	☐	☑
12.	Are the immediate downstream sewer lines constructed?	☑	☐	☐

(B) PUMPING SYSTEM: Submit a Pump Station Design Report, which should include, at a minimum, the basis for the following: (a) pump selection; (b) sizing of force main and velocity calculations;(c) total dynamic head; (d) pump station performance curve and (e) wet well detention time.

Average daily flow: _____ GPD
Peaking factor: _____
Peak design flow: _____ GPD
Number of pumps: _____
Surface area of wet well: _____ ft^2
Wet Well Detention Time : _____ minutes
TDH of pump: _____ ft
Design capacity of pump station (with the largest pump out of service): _____ GPM

1. WASTEWATER CONVEYANCE SYSTEMS

(B) PUMPING SYSTEM (continued)

FORCE MAINS

Diameter (inches)		Length (feet)		Material Type		Velocity (ft/sec)

			YES	NO	N/A
1.	What is the minimum cover (as measured from the top of the pipe to the grade elevation) provided along the entire force main?	ft			
2.	Specify the method of screening at the pumps.				
3.	Where is the ultimate location of the alarm for high water conditions, power failures, and mechanical breakdowns?				
4.	Specify the type of back-up power source provided.				
5.	Is adequate light and ventilation provided at the pump station?		☐	☐	☐
6.	Are air and/or vacuum release valves provided on the high points of the force main?		☐	☐	☐
7.	Are adequate freshwater wash-down facilities provided?		☐	☐	
8.	If a domestic water service connection will be utilized for wash-down purposes, is it protected by a backflow prevention device?		☐	☐	☐
9.	Are shut-off valves on suction and discharge piping and check valves on discharge lines provided?		☐	☐	
10.	Is the base of the pump station wet well sloped toward the pump suction?		☐	☐	
11.	Does the alarm system provide for competent assistance on a 24 hour basis?		☐	☐	
12.	Is the pump station adequately protected from flooding?		☐	☐	
13.	Is the dry well provided with a sump pump?		☐	☐	

I am a professional engineer licensed by the New Jersey Board of Professional Engineers and Land Surveyors to practice in New Jersey. I certify that the proposed treatment works, as designed, meets the requirements of N.J.A.C. 7:14A - 23 et seq., other than the exceptions as noted.

I hereby certify that the information provided in this engineer's report and attachments hereto, is true, accurate, and complete. Exceptions attached [YES ☐, NO ☐]?

Signature of Engineer: _____

Professional Engineer's Embossed Seal

Name and Date: (Print or Type) _____

Firm Name: _____

2. DOMESTIC WASTEWATER TREATMENT AND/OR RESIDUAL FACILITIES

Is the following information submitted with this engineer's report?		YES	NO
1.	A complete description of the selected wastewater treatment system.	☐	☐
2.	For the modification of an existing system which has not previously been granted a treatment works approval (TWA), the capacities of the existing units and a brief description of the operation of each, and a statement concerning which units are existing and which are proposed at the time of the application. If there exists a previously issued TWA approval for the subject facility, submit the date of issuance and the TWA number.	☐	☐
3.	Hydraulic profiles of the flow of wastewater through the system.	☐	☐
4.	A unit by unit mass balance for all discharge parameters.	☐	☐
5.	The ultimate disposal location of all effluent.	☐	☐
6.	The basis and computations for average and peak flow requirements.	☐	☐
7.	The expected composition of the influent and effluent from the treatment system including the average, maximum and minimum values of the pollutant parameters specified in the facility's NJPDES permit/DAC.	☐	☐
8.	An evaluation of the quantity and quality of any and all residuals generated and projected to be generated, including a hydraulic profile and unit by unit mass balance for the flow of residuals through the system.	☐	☐
9.	Documentation of adequate storage and handling facilities for residuals.	☐	☐
10.	Provisions for the ultimate management of residuals.	☐	☐
11.	Details of flow monitoring and control, alarm systems, auxiliary power, storage facilities for treatment chemicals and wastes, and plans for bypassing units during construction or maintenance.	☐	☐
12.	The basis and computations for the projected wastewater flow.	☐	☐
13.	A fully executed Licensed Operator Grading Form.	☐	☐

I am a professional engineer licensed by the New Jersey Board of Professional Engineers and Land Surveyors to practice in New Jersey. I certify that the proposed treatment works, as designed, are adequate to meet all applicable final NJPDES permit limitations contained in the current NJPDES Discharge Permit No. _____. In addition, I certify that the proposed treatment works, as designed, meets the requirements of N.J.A.C. 7:14A - 23 et seq., other than the exceptions as noted.

I hereby certify that the information provided in this engineer's report and attachments hereto is true, accurate, and complete. Exceptions attached [YES ☐, NO ☐]?

Signature of Engineer* _____

Professional Engineer's Embossed Seal

Name and Date: (Print or Type) _____

Firm Name: _____

** This certification may not be completed until the effective date of the associated final NJPDES Discharge Permit.*

NORTH HUDSON SEWERAGE AUTHORITY

INVOICE

1600 ADAMS STREET
HOBOKEN, NJ 07030
201-963-6043

Tomco Construction Inc
22 Howard Blvd, Suite 204
Mt Arlington, NJ 07856

APPLICATION NUMBER 20010301
INVOICE DATE January 3, 2020

GALLONS	DESCRIPTION			GPD	AMOUNT
100,000	GPD				
	Project: Dewatering Discharge: 100,000 GPD				
	Project Address: **Hoboken Northwest Resiliency Park**				
	Application fee				$ 500.00
	Connection fee	Rate: $9,540.00			$ -
	Surcharge fee	Rate: $0.04			$ -
	Review/Inspection fees	Rate: $0.10	*min $2500		$ 2,500.00
	Payments received:				
	Check # 612626 received 1/3/2020				$ (3,000.00)

Connection fee calculation: GPD/300 x Rate		
Surcharge fee calculation: GPD x Rate		
Review/Inspection fees: GPD x Rate min $2500	Total	$ -

MAKE ALL CHECKS PAYABLE TO:
NHSA

1600 Adams Street
Hoboken, NJ 07030

PAY THIS AMOUNT