

**GREENWICH TWP WATER DEPT
5253**

Water Allocation Permit : WAP160001

Permit Inventory

Water Diversion Sources - Water may be diverted under this permit from the following sources:

Source Designation (Well Permit No. or Intake No.)	Description	Subject Item ID
3000001545	WELL 5	WSWL0000067028
3000001776	WELL 6	WSWL0000067033
3000009345	WELL 4A	WSWL0000067151

Group Subject Items - The following items are grouped sources for the purpose of setting permit requirements outlined in this document:

Group Designation	Group Description	Group Subject Item ID	Group Members
GREENWICH TWP WATER DEPT	5253 WA PERMIT - ALL DIVERSION SOURCES	WSWA0000074799	MIDDLE PRM AQUIFER SOURCES, WELLS 4A, 5 & 6 (WARG1200133)
MIDDLE PRM AQUIFER SOURCES	WELLS 4A, 5 & 6	WARG0001200133	3000001545, WELL 5 (WSWL067028)
			3000001776, WELL 6 (WSWL067033)
			3000009345, WELL 4A (WSWL067151)

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Permit Requirements

Limit Requirements

The following limits apply and are the maximum permitted allocation:

Final Permit Phase from 02/01/2017 -

Subject Item	Parameter	Limit
GREENWICH TWP WATER DEPT, 5253 WA PERMIT - ALL DIVERSION SOURCES (WSWA74799)	Maximum Diversion Rate	<= 2350 Gallons Per Minute. [N.J.A.C. 7:19- 2]
	Water Diverted	<= 46.8 Million Gallons Per Month. [N.J.A.C. 7:19- 2]
		<= 348 Million Gallons Per Year. [N.J.A.C. 7:19- 2]
3000001545, WELL 5 (WSWL67028)	Maximum Diversion Rate	<= 750 Gallons Per Minute. [N.J.A.C. 7:19- 2]
3000001776, WELL 6 (WSWL67033)	Maximum Diversion Rate	<= 800 Gallons Per Minute. [N.J.A.C. 7:19- 2]
3000009345, WELL 4A (WSWL67151)	Maximum Diversion Rate	<= 800 Gallons Per Minute. [N.J.A.C. 7:19- 2]

Other Limit Requirements

Final Permit Phase from 02/01/2017 -

Subject Item	Parameter	Limit
3000001545, WELL 5 (WSWL67028)	Rated Pump Capacity	<= 1000 Gallons Per Minute. [N.J.A.C. 7:19- 2]
3000001776, WELL 6 (WSWL67033)	Rated Pump Capacity	<= 1100 Gallons Per Minute. [N.J.A.C. 7:19- 2]
3000009345, WELL 4A (WSWL67151)	Rated Pump Capacity	<= 1000 Gallons Per Minute. [N.J.A.C. 7:19- 2]

Monitoring Requirements

Final Permit Phase from 02/01/2017 -

Subject Item	Requirement	Frequency	Monitored Parameter	Monitoring Method
3000001545, WELL 5 (WSWL67028)	Static water levels for each well indicated shall be monitored. [N.J.A.C. 7:19- 2]	Each Month	Static Water Level	Airline, Tape, or Gage
3000001776, WELL 6 (WSWL67033)				
3000009345, WELL 4A (WSWL67151)				

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Monitoring Requirements

Final Permit Phase from 02/01/2017 -

Subject Item	Requirement	Frequency	Monitored Parameter	Monitoring Method
3000001545, WELL 5 (WSWL67028)	The monthly diversion from each source indicated shall be monitored. [N.J.A.C. 7:19- 2]	Each Month	Water Diverted	Meter
3000001776, WELL 6 (WSWL67033)				
3000009345, WELL 4A (WSWL67151)				
3000001545, WELL 5 (WSWL67028)	A raw water sample from each well indicated shall be analyzed for chloride concentration. [N.J.A.C. 7:19- 2]	Quarterly in Mar; June; Sept; Dec	Chloride	Total sample
3000001776, WELL 6 (WSWL67033)				
3000009345, WELL 4A (WSWL67151)				
3000001545, WELL 5 (WSWL67028)	A raw water sample from each well indicated shall be analyzed for sodium concentration. [N.J.A.C. 7:19- 2]	Quarterly in Mar; June; Sept; Dec	Sodium	Total sample
3000001776, WELL 6 (WSWL67033)				
3000009345, WELL 4A (WSWL67151)				

Record Keeping Requirements

Final Permit Phase from 02/01/2017 -

Subject Item	Requirement	Frequency	Monitored Parameter	Record Keeping Method
GREENWICH TWP WATER DEPT, 5253 WA PERMIT - ALL DIVERSION SOURCES (WSWA74799)	A log book of month end meter readings for each diversion source shall be maintained on site. [N.J.A.C. 7:19- 2]	Each Month	Meter Reading	Log Book

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Submittal/Action Requirements

Final Permit Phase from 02/01/2017 -

Applicable Subject Items	Submittal/Action Type	Requirement
3000001545, WELL 5 (WSWL67028)	Submit Public Quarterly Report	The required monitoring results shall be recorded on the form provided by the Department. The completed form shall be submitted within 30 days after the end of each quarter. [N.J.A.C. 7:19- 2]
3000001776, WELL 6 (WSWL67033)		
3000009345, WELL 4A (WSWL67151)		
GREENWICH TWP WATER DEPT, 5253 WA PERMIT - ALL DIVERSION SOURCES (WSWA74799)	Submit Water Conservation and Drought Management Plan	The permittee shall continue to implement, to the satisfaction of the Department, a water conservation and drought management program. The program shall encourage water conservation in all types of use within the area served by the permittee, including actions taken pursuant to this program and the impact thereof. An update to the water conservation and drought management plan shall be submitted. Submit according to the following schedule: on or before April 30, 2018 and then prior to April 30, every other year thereafter. [N.J.A.C. 7:19- 2]
GREENWICH TWP WATER DEPT, 5253 WA PERMIT - ALL DIVERSION SOURCES (WSWA74799)	Submit Renewal Application	A renewal application shall be submitted three months prior to the expiration date. [N.J.A.C. 7:19- 2]

Text Requirements

All Phases

GREENWICH TWP WATER DEPT, 5253 WA PERMIT - ALL DIVERSION SOURCES (WSWA74799)

1. Water may be diverted under this renewed permit for public community supply. However, water shall not be used to serve non-potable, consumptive purposes for new projects that are greater than 50 percent non-potable and greater than 50 percent consumptive, where, as determined by the Department, alternate water sources, including but not limited to reclaimed water for beneficial reuse, are feasible to serve the non-potable, consumptive needs of the project. [N.J.A.C. 7:19- 2]
2. Water may be diverted under this permit only from the approved diversion sources at the maximum rates specified. [N.J.A.C. 7:19- 1]
3. A major modification of this permit may be required in order to request the approval of any additional diversion sources or an increase in the pumping capacity. [N.J.A.C. 7:19- 2]
4. All diversion sources shall be metered with a totalizing flow meter. [N.J.A.C. 7:19- 2]
5. At a minimum, each diversion source flow meter shall be calibrated at least once every five years. [N.J.A.C. 7:19- 2]
6. Each flow meter shall be calibrated to within five percent accuracy. [N.J.A.C. 7:19- 2]
7. All wells shall be equipped with a metal tag showing the well permit numbers (source designation) as listed in the allocation permit inventory or have the well permit numbers painted on the casings. [N.J.A.C. 7:19- 2]
8. The pumping equipment capacity shall not be increased without prior approval from the Bureau of Water Allocation and Well Permitting. [N.J.A.C. 7:19- 1]
9. Any well not intended for use shall be decommissioned in accordance with N.J.A.C. 7:9D-3.1 et seq. [N.J.A.C. 7: 9D- 3]

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Text Requirements

All Phases

GREENWICH TWP WATER DEPT, 5253 WA PERMIT - ALL DIVERSION SOURCES (WSWA74799)

10. Any required chemical analysis shall be performed by a New Jersey Certified Laboratory. [N.J.A.C. 7:19- 2]
11. Static water level shall be measured and reported as depth to water, in feet, from ground surface. [N.J.A.C. 7:19- 2]
12. For pumping wells, static water level (depth to water) shall be taken when the well pump has been shut down for a recovery period of at least 12 hours. If the well cannot be shut down for the required period, it must be noted on an addendum to the Quarterly Monitoring Report form. Please note on the addendum the number of hours the well was shut down or that the reading is a pumping level. [N.J.A.C. 7:19- 2]
13. All new services shall be metered in accordance with all applicable laws, regulations or codes including, but not limited to, the Water Supply Management Act and the Delaware River Basin Commission Rules. [N.J.A.C. 7:19- 6]
14. All existing services shall be metered. [N.J.A.C. 7:19- 6]
15. Water charges for each service connection shall be based in part on metered usage. [N.J.A.C. 7:19- 6]
16. The monthly quantity of water transferred and delivered to/received from interconnections shall be reported as part of the water system monitoring on separate forms provided by the Department. [N.J.A.C. 7:19- 2]
17. The Department may modify, suspend or terminate this permit, after due process, for violations of permit conditions, N.J.S.A. 58:1A-1, N.J.A.C. 7:19-1 et seq., any orders issued by the Department, or when in the public interest. [N.J.A.C. 7:19- 2]
18. The permittee shall investigate to the Department's satisfaction complaints by users of wells or surface water supplies within the zone of influence of its diversion to determine what impact the diversion has had on such wells or surface water supplies. A report on these investigations shall be forwarded to the Bureau of Water Allocation and Well Permitting. Any well or surface water supply which becomes damaged, dry, has reduced capacity, reduced water quality or is otherwise rendered unusable as a water source as a result of the permittee's diversions shall be repaired or replaced at the expense of the permittee. Work shall be in accordance with all State, County and Municipal construction standards for potable water. After reviewing all applicable investigational reports the Department of Environmental Protection will make the final determination regarding the validity of such complaints, the scope or sufficiency of such investigations, and will determine how to resolve any problems resulting from the diversion. [N.J.A.C. 7:19- 2]
19. This permit is issued for a limited period, and is not subject to automatic renewal. [N.J.A.C. 7:19- 2]
20. The permittee is subject to such fees as may be prescribed by the regulations. [N.J.A.C. 7:19- 3]
21. The permittee shall have the right to apply at any time for modification of this permit by submission of the appropriate application forms. [N.J.A.C. 7:19- 2]
22. The permittee may informally discuss the terms and conditions of this permit at any time with the Bureau of Water Allocation and Well Permitting. [N.J.A.C. 7:19- 2]
23. Based upon the written recommendation of the Delaware River Basin Commission (DRBC), when the water withdrawal is operated in accordance with the provisions and conditions established by this permit, then with respect to the water withdrawal, the project does not substantially impair or conflict with the DRBC's Comprehensive Plan (DRBC Compact § 3.8). [DRBC Resolution No. 2015-9]
24. In accordance with DRBC Resolution No. 2009-1 and Section 2.1.8 of the Water Code, the permittee shall implement an annual calendar year water audit program conforming to IWA/AWWA Water Audit Methodology (AWWA Water Loss Control Committee (WLCC) Water Audit Software) and corresponding guidance. Water audits shall be submitted annually to the Commission by March 31. [DRBC Resolution No. 2015-9]
25. The permittee shall be subject to applicable DRBC regulatory program fees, in accordance with duly adopted DRBC resolutions and/or regulations. [DRBC Resolution No. 2015-9]
26. The permittee shall obtain approval from the Bureau of Water System Engineering before using the diversion for public water supply. [N.J.A.C. 7:19- 2]
27. In addition to the specific management requirements cited above, and when so directed by the Department, the permittee shall comply with applicable portions of the Water Supply Management Rules (N.J.A.C. 7:19-6 et seq. and N.J.A.C. 7:19-8 et seq.) to include the determination of dependable yield; unaccounted-for water; rehabilitation; system pressure and storage; interconnections; and operation of interconnections. [N.J.A.C. 7:19- 6]

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All Phases

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28. If the permittee violates any condition of this permit, the permittee is subject to administrative penalties up to \$25,000 per day per offense as specified. [N.J.S.A. 58: 1A-16]
29. The issuance of this permit shall not be deemed to affect in any way action by the Department of Environmental Protection of the State of New Jersey on any future application. [N.J.A.C. 7:19- 2]
30. No change in plans or specifications shall be made except with the prior written permission of the Department of Environmental Protection of the State of New Jersey. [N.J.A.C. 7:19- 2]
31. The granting of this permit shall not be construed to in any way affect the title or ownership of property, and shall not make the Department of Environmental Protection or the State a party in any suit or question of ownership of property. [N.J.A.C. 7:19- 2]
32. This permit does not waive the obtaining of Federal or other State or local government consent when necessary. This permit is not valid and no work shall be undertaken until such time as all other required approvals and permits have been obtained. [N.J.A.C. 7:19- 2]
33. A copy of this permit shall be kept at the facility site, and shall be exhibited upon request of any authorized Department representative. [N.J.A.C. 7:19- 2]
34. The Department has the right to enter and inspect any site, building, or equipment, or any portion thereof, owned or operated by the permittee, at any time, in order to ascertain compliance or noncompliance with N.J.S.A. 58:1A-1 et seq., 58:4A-4.1 et seq., 58:12A-1 et seq., these rules, or any other agreement or order issued or entered into pursuant thereto. Such right shall include, but not be limited to, the right to require the testing of any equipment at the facility, to sketch or photograph any portion of the site, building or equipment, to copy or photograph any document or records necessary to determine such compliance or noncompliance, and to interview any employees or representative of the owner, operator, or permittee. Such right shall be absolute and shall not be conditioned upon any action by the Department, except the presentation of appropriate credentials as requested and compliance with appropriate standard safety procedures. [N.J.A.C. 7:19- 2]
35. This permit may be transferred, with the consent of the Department, but only for the identical use of the waters. [N.J.A.C. 7:19- 2]
36. If the authorized diversion privileges are not currently diverted, subject to contract, or reasonably required for a demonstrated future need, they shall revert back to the State upon renewal or modification of the permit. [N.J.A.C. 7:19- 2]
37. The permittee shall protect each source from vandalism, tampering, and contamination at all times. [N.J.A.C. 7:19- 2]
38. This permit shall expire as indicated on the permit approval cover page. [N.J.A.C. 7:19- 2]

**Administrative Hearing Request Checklist
And Tracking Form for Permits**

1. Permit Being Appealed:

Title and Type of Permit

Issuance Date of Permit

Permit Number

2. Person Requesting Hearing:

Name/Company

Name of Attorney (if applicable)

Address

Address of Attorney

3. The following information must be included with the request:

- a. The date the permittee received the final permit;
- b. A copy of permit with a list of all permit conditions and issues contested;
- c. The legal and factual questions at issue;
- d. A statement as to whether or not the permittee raised each legal and factual issues during the public comment period of the permit;
- e. Suggested revised or alternative permit conditions;
- f. An estimate of the time required for the hearing;
- g. A request, if necessary, for a barrier-free hearing location for physically disabled persons;
- h. A clear indication of any willingness to negotiate a settlement with the Department prior to the Department's processing of the hearing request to the Office of Administrative Law; and
- i. This form, completed with all of the information listed above, signed, and dated, including attachments, to:

- i. Office of Legal Affairs
ATTENTION: Adjudicatory Hearing Requests
Department of Environmental Protection
401 East State Street
P.O. Box 402
Trenton, New Jersey 08625-0402

- ii. Terry D. Pilawski, Chief
Mail Code 401-04Q
Division of Water Supply & Geoscience
Bureau of Water Allocation & Well Permitting
P.O. Box 420
Trenton, New Jersey 08625

- iii. All co-permittees (w/attachments)

4. Signature: _____ Date: _____