

**NJ AMERICAN WATER PASSAIC
5008X**

Water Allocation Permit : WAP160001

Permit Requirements

Limit Requirements

The following limits apply and are the maximum permitted allocation:

Final Permit Phase

Subject Item	Parameter	Limit
NJ AMERICAN WATER-PASSAIC, 5008 WA PERMIT - ALL DIVERSION SOURCES (WSWA75713)	Maximum Diversion Rate	<= 92013 Gallons Per Minute. [N.J.A.C. 7:19- 2]
	Water Diverted	<= 1826 Million Gallons Per Month. [N.J.A.C. 7:19- 2] <= 9620 Million Gallons Per Year. [N.J.A.C. 7:19- 2]
CANOE BROOK INTAKES, INTAKES 9 & 10 (WARG77474)	Water Diverted	<= 425 Million Gallons Per Month. [N.J.A.C. 7:19- 2] <= 1825 Million Gallons Per Year. [N.J.A.C. 7:19- 2]
	Water Diverted	103 Million Gallons Per Month. [N.J.A.C. 7:19- 2]
PASSAIC RIVER WELLFIELD, WELLS 50, 51 & 52 (WARG77476)	Water Diverted	<= 220 Million Gallons Per Month. [N.J.A.C. 7:19- 2]
PASSAIC RIVER SOURCE INTAKE 2 (WARG1256934)	Water Diverted	1080 Million Gallons Per Month. [N.J.A.C. 7:19- 2] <= 4015 Million Gallons Per Year. [N.J.A.C. 7:19- 2]

Other Limit Requirements

Final Permit Phase

Subject Item	Parameter	Limit
INTAKE 2, PASSAIC RIVER (WSWA75716)	Passing Flow	Diversion from the intake shall cease when the river flow immediately downstream of the diversion intake is < 116 cubic feet per second . The passing flow shall be calculated using the measured flow at the USGS gaging station no.01379500 near Chatham minus the diversion from the Passaic River intake, if any. No diversion is permitted during the months of July and August of each year. The diversion of 2.12 mgd is not subject to the minimum passing flow or July and August pumping moratorium. [N.J.A.C. 7:19- 2]
	Rated Pump Capacity	<= 82.12 Million Gallons Per Day. [N.J.A.C. 7:19- 2]

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Other Limit Requirements

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Subject Item	Parameter	Limit
INTAKES 9 AND 10, CANOE BROOK (WSIN1129123)	Passing Flow	Diversion from intakes 9 and 10 shall cease when river flow measured at USGS gaging station 0709530, Canoe Brook near Summit is < 2.12 cubic feet per second. [N.J.A.C. 7:19-2]
	Rated Pump Capacity	<= 40 Million Gallons Per Day. [N.J.A.C. 7:19-2]
2500002577, WELL 44 (WSWL64814)	Rated Pump Capacity	<= 250 Gallons Per Minute. [N.J.A.C. 7:19-2]
2500003703, WELL 46 (WSWL64827)	Rated Pump Capacity	<= 300 Gallons Per Minute. [N.J.A.C. 7:19-2]
2500004872, WELL 50 (WSWL64845)	Rated Pump Capacity	<= 700 Gallons Per Minute. [N.J.A.C. 7:19-2]
2500004873, WELL 51 (WSWL64846)	Rated Pump Capacity	<= 1000 Gallons Per Minute. [N.J.A.C. 7:19-2]
2500018486, WELL 52 (WSWL65071)	Rated Pump Capacity	<= 1000 Gallons Per Minute. [N.J.A.C. 7:19-2]
4500000257, WELL 38 (WSWL69962)	Rated Pump Capacity	<= 250 Gallons Per Minute. [N.J.A.C. 7:19-2]
2500066787, WELL 53 (WSWL812242)	Rated Pump Capacity	<= 700 Gallons Per Minute. [N.J.A.C. 7:19-2]
2500069074, WELL KELLY 6 (WSWL822882)	Rated Pump Capacity	<= 700 Gallons Per Minute. [N.J.A.C. 7:19-2]
2500069670, WELL KELLY 5 (WSWL825663)	Rated Pump Capacity	<= 250 Gallons Per Minute. [N.J.A.C. 7:19-2]
2500069073, WELL KELLY 7 (WSWL826935)	Rated Pump Capacity	<= 300 Gallons Per Minute. [N.J.A.C. 7:19-2]
2500070360, WELL KELLY 4 (WSWL863960)	Rated Pump Capacity	<= 950 Gallons Per Minute. [N.J.A.C. 7:19-2]
P201613817, WELL LAYNE D-R (WSWL913535)	Rated Pump Capacity	<= 415 Gallons Per Minute. [N.J.A.C. 7:19-2]
P201613818, WELL 54 (WSWL1283470)	Rated Pump Capacity	<= 600 Gallons Per Minute. [N.J.A.C. 7:19-2]
P201613819, WELL 55 (WSWL1283483)	Rated Pump Capacity	<= 250 Gallons Per Minute. [N.J.A.C. 7:19-2]

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Monitoring Requirements

Initial Permit Phase

Subject Item	Requirement	Frequency	Monitored Parameter	Monitoring Method
CANOE BROOK RESERVOIR, CANOE BROOK RESERVOIR SYSTEM (OFF-STREAM) (WSYT1118081)	The raw water diverted from the Canoe Brook Reservoir to the treatment plant shall be monitored [N.J.A.C. 7:19- 2]	Each Month	Water Transferred to treatment Plant	Meter

Final Permit Phase

Subject Item	Requirement	Frequency	Monitored Parameter	Monitoring Method
2500002577, WELL 44 (WSWL64814)	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
2500018486, WELL 52 (WSWL65071)				
4500000257, WELL 38 (WSWL69962)				
2500069074, WELL KELLY 6 (WSWL822882)				
E201613819, WELL 55 (WSWL1283483)				
INTAKE 2, PASSAIC RIVER (WSIN75716)	The monthly diversion from each source indicated shall be monitored. [N.J.A.C. 7:19- 2]	Each Month	Water Diverted	Meter
INTAKES 9 AND 10, CANOE BROOK (WSIN1129123)				
2500002577, WELL 44 (WSWL64814)				
2500000000, WELL 46 (WSWL64827)				
2500004872, WELL 50 (WSWL64845)				
2500004873, WELL 51 (WSWL64846)				
2500000486, WELL 52 (WSWL65071)				
4500000257, WELL 38 (WSWL69962)				
2500066787, WELL 53 (WSWL812242)				
2500069074, WELL KELLY 6 (WSWL822882)				

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Monitoring Requirements

Final Permit Phase

Subject Item	Requirement	Frequency	Monitored Parameter	Monitoring Method
2500069670, WELL KELLY 8 (WSWL825663)	The monthly diversion from each source indicated shall be monitored. [N.J.A.C. 7:19- 2]	Each Month	Water Diverted	Meter
2500069073, WELL KELLY 7 (WSWL826935)				
2500070360, WELL KELLY 9 (WSWL863960)				
P201002148, WELL LAYNE D-R (WSWL913535)				
E201613818, WELL 54 (WSWL1283470)				
E201613819, WELL 55 (WSWL1283483)				
CANOE BROOK RESERVOIR, CANOE BROOK RESERVOIR SYSTEM (OFF-STREAM) (WSYT1118081)	The raw water diversion from the Canoe Brook Reservoir to the treatment plant shall be monitored [N.J.A.C. 7:19- 2]	Each Month	Water Transferred to Treatment Plant	Meter

Record Keeping Requirements

Final Permit Phase

Subject Item	Requirement	Frequency	Monitored Parameter	Record Keeping Method
NJ AMERICAN WATER-PASSAIC, 5008 WA PERMIT DIVERSION SOURCES (WSWA75713)	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

Submittal/Action Requirements

Final Permit Phase

Applicable Subject Items	Submittal/Action Type	Requirement
INTAKE 2, PASSAIC RIVER (WSIN75716)	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]

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Submittal/Action Requirements

Final Permit Phase

Applicable Subject Items	Submittal/Action Type	Requirement
INTAKES 9 AND 10, CANOE BROOK (WSIN1129123)	Submit Public Quarterly Report	The required monitoring results shall be reported 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]
2500002577, WELL 44 (WSWL64814)		
2500003703, WELL 46 (WSWL64827)		
2500004872, WELL 50 (WSWL64845)		
2500004873, WELL 51 (WSWL64846)		
2500018486, WELL 52 (WSWL65071)		
4500000257, WELL 38 (WSWL69962)		
2500066787, WELL 53 (WSWL812242)		
2500069074, WELL KELLY 6 (WSWL822882)		
2500069070, WELL KELLY 8 (WSWL825663)		
2500069073, WELL KELLY 7 (WSWL826935)		
2500070360, WELL KELLY (WSWL863960)		
P201002148, WELL LANE D-R (WSWL913535)		
E201613818, WELL 54 (WSWL1283470)		

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Submittal/Action Requirements

Final Permit Phase

Applicable Subject Items	Submittal/Action Type	Requirement
E201613819, WELL 55 (WSWL1283483)	Submit Public Quarterly Report	The required monitoring results shall be reported 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]
CANOE BROOK RESERVOIR, CANOE BROOK RESERVOIR SYSTEM (OFF-STREAM) (WSYT1118081)		
NJ AMERICAN WATER-PASSAIC, 5008 WA PERMIT - ALL DIVERSION SOURCES (WSWA75713)	Submit Report as Described	NJAW shall submit a timeline for redeveloping Well 50 to achieve the requested pumping capacity of 700 gpm. The timeline shall also include a schedule to submit an aquifer stress test proposal of the Passaic River Wellfield for review and approval. The test shall be designed to operate the wellfield at the combined maximum permitted operating rate and continue until water levels stabilize in the three wells. The schedule identified shall be submitted within 60 days from the effective date of this document. [N.J.A.C. 7:19- 2]
NJ AMERICAN WATER-PASSAIC, 5008 WA PERMIT - ALL DIVERSION SOURCES (WSWA75713)	Submit Required Documents	The permittee shall submit an application for a permit to operate to the Bureau of Water System Engineering for any new diversion sources required to restore the pumping capacity of the Canoe Brook and Passaic River Wellfields. Submit according to the following schedule: The application shall be submitted on or before December 31, 2018. Failure to obtain a permit to operate at sources necessary to restore their permitted pumping capacity of the Canoe Brook and Passaic River wellfields will result in the diversion limits being reduced to the approved BWSE pumping capacity. [N.J.A.C. 7:19- 2]
NJ AMERICAN WATER-PASSAIC, 5008 WA PERMIT - ALL DIVERSION SOURCES (WSWA75713)	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 covered by the permittee, including actions taken pursuant to this program and the impact thereof. Submit according to the following schedule: An update to the water conservation and drought management plan shall be submitted on or before May 31, 2019 and every other year thereafter. [N.J.A.C. 7:19- 2]
NJ AMERICAN WATER-PASSAIC, 5008 WA PERMIT - ALL DIVERSION SOURCES (WSWA75713)	Submit Renewal Application	A renewal application shall be submitted three months prior to the expiration date. [N.J.A.C. 7:19- 2]

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Text Requirements

All Phases

4500000259, CONTINENTAL 1 (WSWL69964)

1. The condition to redesignate Well Continental 1 from a public supply well to a monitoring well shall be deleted until the reevaluation of the Canoe Brook wellfield is completed. If Well Continental 1 is not utilized as part of the Canoe Brook wellfield, it shall be redesignated to a monitoring well use at that time. [N.J.A.C. 7:19- 2]

NJ AMERICAN WATER-PASSAIC, 5008 WA PERMIT - ALL DIVERSION SOURCES (WSWL75713)

2. 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]
3. 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]
4. 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]
5. All diversion sources shall be metered with a totalizing flow meter. [N.J.A.C. 7:19- 2]
6. At a minimum, each diversion source flow meter shall be calibrated at least once every five years. [N.J.A.C. 7:19- 2]
7. Each flow meter shall be calibrated to within five percent accuracy. [N.J.A.C. 7:19- 2]
8. 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 number painted on the casings. [N.J.A.C. 7:19- 2]
9. 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]
10. 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]
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. [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]

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Text Requirements

All Phases

NJ AMERICAN WATER-PASSAIC, 5008 WA PERMIT - ALL DIVERSION SOURCES (WSWA75713)

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. 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]
24. 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]
25. 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]
26. 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]
27. No change in plans or specifications shall be made without the prior written permission of the Department of Environmental Protection of the State of New Jersey. [N.J.A.C. 7:19- 2]
28. 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 sale or disposition of ownership of property. [N.J.A.C. 7:19- 2]
29. 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]
30. 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]
31. 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]
32. This permit may not be transferred without the consent of the Department, but only for the identical use of the waters. [N.J.A.C. 7:19- 2]
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]
34. The permittee shall protect each source from vandalism, tampering, and contamination at all times. [N.J.A.C. 7:19- 2]
35. This permit shall expire as indicated on the permit approval cover page. [N.J.A.C. 7:19- 2]