State of New Jersey
Department of Environmental Protection
Bureau of Water Allocation
PO Box 426, Trenton, New Jersey 08625-0426

Water Allocation Permit

The New Jersey Department of Environmental Protection grants this permit* in accordance with your application, attachments accompanying same application, and applicable laws and regulations. This permit is also subject to further conditions and stipulations enumerated in the supporting documents.

Program Interest ID: 2362P **Permit Number:** WAP100001	**Issuance Date:** 07/21/2010	**Effective Date:** 08/01/2010	**Expiration Date:** 07/31/2020

Name and Address of Applicant NEW LISBON DEVELOPMENTAL CENTER Route 72 Woodland Township, NJ 08064	**Location of Activity/Facility** Woodland Twp Burlington	
	Type of Permit Water Allocation Permit - Renewal	**Statute(s)** N.J.S.A. 58:1A-1

This permit grants permission to divert water from the approved sources in the attached permit inventory, in the following municipalities, for the following water uses:

MUNICIPALITY Woodland Twp COUNTY Burlington	**Water Uses:** Public Community Supply

This permit is subject to the attached Conditions.

Approved by the authority of:
Bob Martin, Commissioner
Department of Environmental Protection

Diane E. Zalaskus, P.E., Bureau Chief
Bureau of Water Allocation Date

* *Permit means Certification, Approval, Registration, Equivalency, etc.*

General Information Sheet

Program Interest/Facility Name: NEW LISBON DEVELOPMENTAL CTR
Program Interest/Facility ID: 2362P

Physical Location: RT 72 MM 1
Woodland Twp, NJ 08064-

Mailing Address: 104 RT 72
New Lisbon, NJ 08064-

Location of Facility: 469758 - X-Coordinate, 384621 - Y-Coordinate

Related People:

Name	Phone	Relationship
ROSEANN SCHOMBERG	6097261000	Fees/Billing Contact
THOMAS J. CAREY	2672540020	Pre-Printed Report Recipient
THOMAS J. CAREY	2672540020	Application Contact

NEW LISBON DEVELOPMENTAL CTR
2362P

Water Allocation Permit : WAP100001

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
3200000429	WELL 4	WSWL0000068096
3200008580	WELL 1	WSWL0000068168
3200008688	WELL 2	WSWL0000068170

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
NEW LISBON DEVELOPMENTAL CTR	2362P WA PERMIT - ALL DIVERSION SOURCES	WSWA0000073075	KIRKWOOD-COHANSEY AQUIFER SOURCES, WELLS 1, 2 & 4 (WARG913352)
KIRKWOOD-COHANSEY AQUIFER SOURCES	WELLS 1, 2 & 4	WARG0000913352	3200000429, WELL 4 (WSWL068096)
			3200008580, WELL 1 (WSWL068168)
			3200008688, WELL 2 (WSWL068170)

NEW LISBON DEVELOPMENTAL CTR
2362P

Water Allocation Permit : WAP100001

Permit Requirements

Limit Requirements

The following limits apply and are the maximum permitted allocation:

Final Permit Phase from 08/01/2010 -

Subject Item	Parameter	Limit
NEW LISBON DEVELOPMENTAL CTR, 2362P WA PERMIT - ALL DIVERSION SOURCES (WSWA73075)	Maximum Diversion Rate	<= 700 Gallons Per Minute. [N.J.A.C. 7:19- 2]
	Water Diverted	<= 8 Million Gallons Per Month. [N.J.A.C. 7:19- 2]
		<= 80 Million Gallons Per Year. [N.J.A.C. 7:19- 2]

Other Limit Requirements

Final Permit Phase from 08/01/2010 -

Subject Item	Parameter	Limit
3200000429, WELL 4 (WSWL68096)	Rated Pump Capacity	<= 200 Gallons Per Minute. [N.J.A.C. 7:19- 2]
3200008580, WELL 1 (WSWL68168)	Rated Pump Capacity	<= 250 Gallons Per Minute. [N.J.A.C. 7:19- 2]
3200008688, WELL 2 (WSWL68170)	Rated Pump Capacity	<= 250 Gallons Per Minute. [N.J.A.C. 7:19- 2]

Monitoring Requirements

Final Permit Phase from 08/01/2010 -

Subject Item	Requirement	Frequency	Monitored Parameter	Monitoring Method
3200000429, WELL 4 (WSWL68096)	The monthly diversion from each source indicated shall be monitored. [N.J.A.C. 7:19- 2]	Each Month	Water Diverted	Meter
3200008580, WELL 1 (WSWL68168)				
3200008688, WELL 2 (WSWL68170)				
3200000429, WELL 4 (WSWL68096)	Static water levels for each well indicated shall be monitored. [N.J.A.C. 7:19- 2]	Quarterly in Mar; June; Sept; Dec	Static Water Level	Airline, Tape, or Gage
3200008580, WELL 1 (WSWL68168)				

Monitoring Requirements

Final Permit Phase from 08/01/2010 -

Subject Item	Requirement	Frequency	Monitored Parameter	Monitoring Method
3200008688, WELL 2 (WSWL68170)	Static water levels for each well indicated shall be monitored. [N.J.A.C. 7:19- 2]	Quarterly in Mar; June; Sept; Dec	Static Water Level	Airline, Tape, or Gage

Record Keeping Requirements

Final Permit Phase from 08/01/2010 -

Subject Item	Requirement	Frequency	Monitored Parameter	Record Keeping Method
NEW LISBON DEVELOPMENTAL CTR, 2362P WA PERMIT - ALL DIVERSION SOURCES (WSWA73075)	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

Submittal/Action Requirements

Final Permit Phase from 08/01/2010 -

Applicable Subject Items	Submittal/Action Type	Requirement
3200000429, WELL 4 (WSWL68096)	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]
3200008580, WELL 1 (WSWL68168)		
3200008688, WELL 2 (WSWL68170)		
NEW LISBON DEVELOPMENTAL CTR, 2362P WA PERMIT - ALL DIVERSION SOURCES (WSWA73075)	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 every two years from the effective date of this permit. [N.J.A.C. 7:19- 2]

Submittal/Action Requirements

Final Permit Phase from 08/01/2010 -

Applicable Subject Items	Submittal/Action Type	Requirement
NEW LISBON DEVELOPMENTAL CTR, 2362P WA PERMIT - ALL DIVERSION SOURCES (WSWA73075)	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

NEW LISBON DEVELOPMENTAL CTR, 2362P WA PERMIT - ALL DIVERSION SOURCES (WSWA73075)

1. Water may be diverted under this renewed permit for public non-community supply. [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. [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]
10. Static water level shall be measured and reported as depth to water, in feet, from ground surface. [N.J.A.C. 7:19- 2]
11. 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]
12. 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]
13. 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. 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]
14. This permit is issued for a limited period, and is not subject to automatic renewal. [N.J.A.C. 7:19- 2]
15. The permittee shall be subject to such requirements as may be necessary pursuant to N.J.A.C. 7:19-8.1 et seq. [N.J.A.C. 7:19- 8]

ext Requirements

All Phases

NEW LISBON DEVELOPMENTAL CTR, 2362P WA PERMIT - ALL DIVERSION SOURCES (WSWA73075)

16. The permittee is subject to such fees as may be prescribed by the regulations. [N.J.A.C. 7:19- 3]
17. 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]
18. The permittee may informally discuss the terms and conditions of this permit at any time with the Bureau of Water Allocation. [N.J.A.C. 7:19- 2]
19. Approval of this application is subject to the granting of any approval which may be required by the Pinelands Commission. [N.J.S.A. 58: 1A-15.1]
20. Approval of this application is subject to the granting of any approval by the Delaware River Basin Commission which may be required under the provisions of the Delaware River Basin Compact. [N.J.A.C. 7:19- 2]
21. 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]
22. If the permittee violates any condition of this permit, the permittee is subject to administrative penalties up to $25000 per day per offense. [N.J.S.A. 58: 1A-16]
23. If the permittee exceeds the annual allocation limits as specified in this permit, Administrative penalties up to $25000 per day per offense may be assessed. Such charge shall not apply if the diversion had been requested of and determined by the Department to be an extraordinary demand or where the permittee has been ordered to divert more water by action or order of the Department. [N.J.S.A. 58: 1A-16]
24. 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]
25. 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]
26. 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]
27. 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]
28. A copy of this permit shall be kept at the facility site, and shall be exhibited upon request of any person. [N.J.A.C. 7:19- 2]
29. 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]
30. 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]
31. 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]
32. The permittee shall protect each source from vandalism, tampering, and contamination at all times. [N.J.A.C. 7:19- 2]

Text Requirements

All Phases

NEW LISBON DEVELOPMENTAL CTR, 2362P WA PERMIT - ALL DIVERSION SOURCES (WSWA73075)

33. This permit shall expire as indicated on the permit approval cover page; however, any action required pursuant to a critical area designation shall take precedence over this expiration date. [N.J.A.C. 7:19- 2]

7/132010

STAFF REPORT
PERMIT RENEWAL

In the matter of

NEW LISBON DEVELOPMENT CENTER

Renewal of Water Allocation Permit No. 2362P, to divert water from three wells in the Township of Woodland, Burlington County

Background

On March 23, 2003 Water Allocation Permit No. 2362P was issued to New Lisbon Development Center, Route 72, New Lisbon, New Jersey 08064 with an expiration date of December 31, 2008. Pursuant to N.J.A.C. 7:19-2.4(d), the expiration date was extended to December 31, 2009. An application was filed on February 1, 2010 requesting renewal of the privilege to divert a maximum of 8 million gallons of water per month (mgm) not to exceed 80 million gallons of water per year (mgy) at a maximum rate of 700 gallons per minute (gpm) from three existing wells, Nos. 1, 2 and 4; 86, 85 and 84 feet deep respectively, in the Kirkwood-Cohansey Formation.

Findings of Fact

1. The diversion is used for public community supply and serves the New Lisbon Developmental Center; from the following sources at the maximum rates specified below:

Groundwater

Well Permit No.	Well Name or Designation	Pump Capacity (gpm)	Aquifer
3200008580	1	250	Kirkwood-Cohansey
3200008688	2	250	Kirkwood-Cohansey
3200000429	4	200	Kirkwood-Cohansey

2. This application request is for a renewal of an allocation granted by the following:

Permit No.	Date Issued	Source of Water	Diversion Amount mgm	mgy
A32-20	7/1968	4 Cohansey Wells	-	-
5216	5/2/1984	4 Cohansey Wells	8	-
2362P	3/26/2003	4 Cohansey Wells	8	

Permit No.	Date Issued	Source of Water	Diversion Amount mgm	mgy
			80	

3. A review of quarterly diversion reports indicates the following water use:

Year	Annual Use (mg)	Maximum Monthly Use (mg)	Average Monthly Use (mg)	Existing Allocation (mgm)	(mgy)
2009	53.596	5.639 (July)	4.466	8	80
2008	59.804	6.425 (July)	4.984	8	80
2007	61.469	6.440 (Aug)	5.122	8	80
2006	57.616	5.598 (Aug)	4.801	8	80
2005	63.350	6.538 (July)	5.279	8	80

4. The population served is approximately 2000, which represents an average monthly consumption of 73 gpcd, and a peak monthly consumption of 91 gpcd based upon 2009 water use data, with a 100 percent residential use component.

5. The following information is available for the applicant's diversion sources:

Well No.	1	2	4
Well Permit No.:	3200008580	3200008688	3200000429
Date Constructed:	11-15-1982	12-15-1982	2-2-1962
Depth (feet):	86	85	84
Pump Capacity (gpm):	250	250	200
Site Elevation:	119.6	121	102.6
Static Water Level:			
Date (when constructed):	11-15-1982	12-15-1982	2-3-1962
Level (feet):	19	22	12
Date (recent):	12-27-2009	12-27-2009	12-27-2009
Level (feet):	21.4	22.3	11.05
Well Test Data: (from well records)			
Test Date:	11-15-1982	12-15-1982	2-3-1962
Yield (gpm):	330	250	200
Drawdown (feet):	9	7	20
Static Level (feet):	19	22	12

Well No.	1	2	4
Pumping Time (hours):	8	4	8
Specific Capacity: (gpm/ft drawdown)	36.6	35.7	10

6. The applicant's diversion sources are located within: Planning Area No. 14, Rancocas Creek as designated by the New Jersey Water Supply Master Plan; the Coastal South Drought Region; and Watershed Management Area No.19, Lower Delaware.

7. A site inspection was not conducted.

The applicant's sources are located as follows:

Well No.	X	Y	Location
Well 1	468966.533	383483.854	About 80 ft west of Kelly Road
Well 2	469319.798	383481.295	About 50 ft west of Bennion Road
Well 4	467265.779	382139.176	About 100 ft south of Bordentown Road

8. Flow meters for all diversion sources have been calibrated within the past five years. The most recent date of calibration is February 9, 2009.

9. The following wells have been abandoned, decommissioned, are inactive or unused:

Well No.	Well Permit No.	Depth (feet)	Status
1	Unknown	83	Sealed
2	Unknown	84	Sealed
3	Unknown	75	Sealed
2R	3200000925	95	Sealed
23R	3200001315	87	Sealed

10. The applicant has indicated that Well 3 (Permit No. 3200006083), which is currently inactive, will be properly decommissioned. This well will be referred to the Bureau of Water Systems and Well Permitting.

11. The applicant is currently in compliance with all permit conditions.

12. The diversion is in the Delaware River Basin and the Pinelands. It is subject to the requirements of DRBC and the Pinelands Commission. The applicant has obtained approval from the Delaware River Basin Commission under Docket No. D-2003-8 CP.

13. Water, after use, will be discharged to the New Lisbon Development Center Wastewater Treatment Plant for treatment and used for field irrigation under Permit No. NJ0070955. The treatment works are not under a sewer connection ban or other restriction imposed by NJDEP.

14. The system has no interconnections with adjacent systems.

15. The applicant has no agreements for the sale or purchase of water.

16. The system is metered at source. The system has no individual service meters.

17. The applicant has indicated that their unaccounted-for-water is zero percent. However, accurately determining the unaccounted-for-water is difficult as there are no individual meters installed.

18. The water system has storage capacity of 0.3 MG, as compared with a 2009 average water demand of 0.146 MGD.

19. The applicant submitted a Water Conservation Plan with the application for renewal on February 1, 2010.

20. Water for sanitary and potable purposes at the site is supplied by applicant's onsite wells.

21. The Bureau estimated consumptive use of water to be about 50 percent, which is equivalent to 0.129MGD. Treated wastewater, according to the Facility's Licensed Operator, is discharged into a lagoon from where it is used for irrigation. Part of this water may be lost through evapotranspiration and the other part returned to the ground.

Staff Analysis/Conclusions

1. The applicant's current water use is reasonable.

2. The applicant's current allocation is adequate to meet their future demands. Demand projections provided by the applicant indicate that their ten-year average demands will be 5.434 MGM, and 65.208 MGY with a peak monthly demand of 7.150 MGM. Analysis of this in conjunction with historical water use, and supporting documentation provided with the application shows that the existing monthly and annual allocations of 8 MGM and 80 MGY should be sufficient to meet their needs.

3. Natural replenishment of ground water is probably occurring because there has only been about 3 feet of static change in the water level in 28 years of diversion at the site. The applicant should continue to monitor and report static water levels for their diversion sources.

4. No adverse impacts have been reported to the Department regarding the applicant's diversion sources.

5. Elevated chloride concentrations are not a consideration in the Kirkwood-Cohansey aquifer at this location.

Salt water intrusion is not expected to occur because the applicant's diversion sources are completed in surficial aquifer.

6. No upward changes in diversion rates are proposed and no problems with groundwater contamination associated with the diversion have been reported to the Bureau.

Summary

The Department has completed its review of this application pursuant to N.J.A.C. 7:19-1 et. seq. The review of this application reveals that it does not have any adverse impacts and meets, based upon the information certified to in the application, the statutory requirements of N.J.S.A. 58:1A-1 et. seq.

Therefore, based upon a review of the information submitted with the application, and the existing water allocation files, the following conclusions have been reached regarding this application:

- The total diversion rate should be reduced from 950 gpm to 700 gallons per minute (gpm) to reflect the combined diversion rates of the applicant's three active wells.
- The applicant's current monthly and annual allocation limits of 8 mgm and 80 mgy should be retained.
- Monitoring of static water levels of the applicant's diversion sources should continue.
- Well No. 3 is currently not in use. The well should be decommissioned and a Well Abandonment report filed with Bureau of Water System and Well Permitting. This well has been referred to the Well Permitting Section accordingly.
- Well No. 3 should be expunged from the inventory as a diversion source.

Therefore this application should be approved in accordance with the following recommendations as the applicant has satisfied the requirements of N.J.A.C. 7:19-2.4 et seq.

References

In addition to the historical information on file at the Bureau of Water Allocation and the application submitted, the following information sources were also utilized to establish the recommendations contained within this Staff Report:

Zapecza, Otto S. 1989. The Hydrogeologic Framework of the New Jersey Coastal Plain. U.S. Geological Survey Professional Paper 1404-B. Washington, D.C. United States Government Printing Office.

March 1, 2001. The New Jersey State Development and Redevelopment Plan. New Jersey State Planning Commission, Trenton, New Jersey.

August 1996. Water for the 21st Century: Vital Resource, New Jersey Statewide Water Supply Plan. New Jersey Department of Environmental Protection – Office of Environmental Planning, Trenton, New Jersey.

Recommendations

Issuance of the permit is recommended with an expiration date of 10 years from the effective date and is subject to the attached specific conditions:

Date: _____

Akinsanya Ode
Bureau of Water Allocation

AO:bu