

DOCKET NO. D-96-34-2

DELAWARE RIVER BASIN COMMISSION

**Pine Valley Golf Club
Surface and Ground Water Withdrawal
Pine Valley Borough, Camden County, New Jersey**

PROCEEDINGS

This docket is issued in response to an Application submitted by Pine Valley Golf Club to the Delaware River Basin Commission (DRBC or Commission) for renewal of an allocation of ground and surface water and review of a ground and surface water withdrawal project received by the DRBC on May 16, 2007 (Application). The project was approved by the New Jersey Department of Environmental Protection on November 1, 2007 (Permit No. 2147P), subject to approval by the DRBC.

The Application was reviewed for continuation of project approval under Section 3.8 of the *Delaware River Basin Compact*. The Camden County Planning Board has been notified of the application for this permit. A public hearing on this project was held by the DRBC on July 16, 2008.

A. DESCRIPTION

1. **Purpose.** The purpose of this project is to supply up to 28 million gallons per 30 days (mg/ 30 day) of water for irrigation of the applicant's golf course from 2 existing wells and 2 existing surface water intakes. The total allocation of ground water and surface water is a decrease in the previous allocation of 32 million gallons per 30 days.
2. **Location.** The project wells and intakes are located in the Lower Delaware Watershed in the Mt. Laurel-Wenonah Formations. Specific location information has been withheld for security reasons.
3. **Area Served.** The 2 wells and 2 surface water intakes will serve only the docket holder's golf course and potable water supply. For the purpose of defining Area Served, the Application is incorporated herein by reference consistent with conditions contained in the DECISION section of this docket.
4. **Physical features.**
 - a. **Design criteria.** The docket holder has an existing average and maximum water demand of 10.77 mg/30 days and 23.5 mg/ 30 days, respectively. The docket holder projects a ten year future average and maximum water demand of 12.87 and 28 mg/ 30 days, respectively.

b. **Facilities.** The existing project well and intakes have the following characteristics:

WELL NO.	DEPTH	CASED DEPTH/ CASING DIAMETER	PUMP CAPACITY	YEAR DRILLED
2	256'	256'/8"	250	1952
3	267'	203'/10"	250	1955
INTAKE NO.	PUMP CAPACITY	YEAR CONSTRUCTED		
1	.864 (mgd)	1913		
2	5.400 (mgd)	1913		

The golf course utilizes four separate irrigations systems with a total of 891 spray irrigations heads to irrigate the two courses and practice areas with up to 158 irrigation heads utilized at any one time. The course utilizes a series of four interconnected ponds that are bottom fed by natural recharge and from groundwater supplied by Well Nos. 2 and 3.

All wells and intakes are metered.

The project facilities are above the 100-year flood elevation.

The water system is not presently interconnected with any other distribution system.

c. **Cost.** There is no overall cost associated with this project.

B. FINDINGS

The project is designed to conform to the requirements of the *Water Code* and *Water Quality Regulations* of the DRBC.

The NJDEP water allocation is for a limited period and is not subject to automatic renewal. The permittee is in a Critical Area designated by the State of New Jersey but their sources are not located in a critical aquifer and therefore are subject to such requirements as may be necessary pursuant to N.J.A.C. 7:19-8.

The DRBC estimates that the project withdrawals, used for the purpose of golf course irrigation, result in a consumptive use of 90 percent of the total water use. The DRBC definition

of consumptive use is defined in Article 5.5.1.D of the *Administrative Manual – Part III – Basin Regulations – Water Supply Charges*.

There have been no reports of interference. No adverse impact is anticipated with the continued operation of this project.

The project does not conflict with the Comprehensive Plan and is designed to prevent substantial adverse impact on the water resources related environment, while sustaining the current and future water uses and development of the water resources of the Basin.

C. DECISION

I. Effective on the approval date for Docket No. D-96-34-2 below, Docket No. D-96-34 is terminated and replaced by Docket No. D-96-34-2.

II. The project and appurtenant facilities as described in the Section A “Physical features” are approved pursuant to Section 3.8 of the *Compact*, subject to the following conditions:

a. The wells and intakes and operational records shall be available at all times for inspection by the DRBC.

b. The wells and intakes shall be operated at all times to comply with the requirements of the *Water Code* and *Water Quality Regulations* of the DRBC.

c. During any 30-day period, the withdrawal from the surface water intakes 1 and 2 shall not exceed 25 million gallons and withdrawal from Wells 2 and 3 shall not exceed 3 million gallons. The total withdrawal from all sources shall not exceed 28 million gallons.

d. The well(s) shall be equipped with readily accessible capped port(s) and drop pipe(s) so that water levels may be measured under all conditions. Existing wells are to be similarly equipped, where possible, with readily accessible ports and drop pipes as repairs or modifications are made at each existing well.

e. The docket holder shall pay for surface water use in accordance with the provisions of Resolution No. 74-6, as amended.

f. The project withdrawals shall be metered with an automatic continuous recording device that measures to within 5 percent of actual flow. An exception to the 5 percent performance standard, but no greater than 10 percent, may be granted if maintenance of the 5 percent performance is not technically feasible or economically practicable. A record of daily

withdrawals shall be maintained, and monthly totals shall be reported to the NJDEP quarterly and shall be available at any time to the Commission if requested by the Executive Director.

g. Each new water service connection shall include a water meter in accordance with the DRBC's Resolution No. 87-7 (Revised).

h. In accordance with DRBC Resolution No. 87-6 (Revised), the docket holder shall continue to implement to the satisfaction of the NJDEP, the systematic program to monitor and control leakage within the water supply system. The program shall at a minimum include: periodic surveys to monitor leakage, enumerate unaccounted-for water, and determine the current status of system infrastructure; recommendations to monitor and control leakage; and a schedule for the implementation of such recommendations. The docket holder shall proceed expeditiously to correct leakages and unnecessary usage identified by the program.

i. The docket holder shall implement to the satisfaction of the NJDEP, the continuous program to encourage water conservation in all types of use within the facilities served by this approval. The docket holder will report to the NJDEP on the actions taken pursuant to this program and the impact of those actions as requested by the NJDEP.

j. No water service connections shall be made to newly constructed premises with plumbing fixtures and fittings that do not comply with water conservation performance standards contained in Resolution No. 88-2 (Revision 2).

k. The docket holder shall continue to implement its Water Conservation Plan as approved by NJDEP, and shall report to the NJDEP on actions taken pursuant to this program and the impact of those actions as requested by the NJDEP.

l. The docket holder shall implement to the satisfaction of the NJDEP, a drought or other water supply emergency plan.

m. No new water service connections shall be made to premises connected to sewerage systems which are not in compliance with all applicable effluent limits contained in State permits and the *Water Quality Regulations* of the Commission.

n. Nothing herein shall be construed to exempt the docket holder from obtaining all necessary permits and/or approvals from other State, Federal or local government agencies having jurisdiction over this project.

o. The docket holder is permitted to provide the water approved in this docket to the areas included in Section A.3. Area Served of this docket. Any expansion beyond those included in Section A.3. Area Served is subject to DRBC review and approval in accordance with Section 3.8 of the *Compact*.

p. A complete application for the renewal of this docket, or a notice of intent to cease the operations (withdrawal, discharge, etc.) approved by this docket by the expiration date, must be submitted to the DRBC at least 12 months prior to the expiration date below (unless permission has been granted by the DRBC for submission at a later date), using the appropriate DRBC application form. In the event that a timely and complete application for renewal has been submitted and the DRBC is unable, through no fault of the docket holder, to reissue the docket before the expiration date below, the terms and conditions of this docket will remain fully effective and enforceable against the docket holder pending the grant or denial of the application for docket approval.

q. The issuance of this docket approval shall not create any private or proprietary rights in the water of the Basin, and the Commission reserves the rights to amend, alter or rescind any actions taken hereunder in order to insure the proper control, use and management of the water resources of the Basin.

r. If the operation of this project significantly affects or interferes with any domestic or other existing wells or surface water supplies, or if the docket holder receives a complaint by any user of wells or surface water supplies within the zone of influence of the withdrawal, the docket holder shall immediately notify the Executive Director of any complaints by users of wells or surface water supplies within the zone of influence of the withdrawal, and unless excused by the Executive Director, shall investigate such complaints. The docket holder should direct phone call notifications of potential well or surface water interference or complaints of interference to the DRBC Project Review Section at 609-883-9500, extension 216. Oral notification must always be followed up in writing directed to the Executive Director. In addition, the docket holder shall provide written notification to all potentially impacted users of wells or surface water supplies of the docket holder's responsibilities under this condition. Any well or surface water supply which is substantially adversely affected, or rendered dry or otherwise unusable as a result of the docket holder's project withdrawal, shall be repaired, replaced or otherwise mitigated at the expense of the docket holder. A report of investigation and/or mitigation plan prepared by a hydrologist shall be submitted to the Executive Director as soon as practicable. The Executive Director shall make the final determination regarding the validity of such complaints, the scope or sufficiency of such investigations, and the extent of appropriate mitigation measures, if required. The Executive Director may modify or suspend this approval or any condition thereof, or require mitigating measures pending additional review, if in the Executive Director's judgment such modification or suspension is required to protect the water resources of the Basin.

s. During any water emergency or other non-emergency declaration by the Governor of New Jersey, NJDEP or the Commission, water service or use by the project docket holder pursuant to this docket approval shall be subject to any order or restriction governing those non-essential uses specified by the NJDEP to the extent that they may be applicable, and to any other emergency resolutions or orders adopted by the Commission.

t. The docket holder and any other person aggrieved by a reviewable action or decision taken by the Executive Director or Commission pursuant to this docket may seek an administrative hearing pursuant to Articles 5 and 6 of the Commission's *Rules of Practice and Procedure*, and after exhausting all administrative remedies may seek judicial review pursuant to Article 6, section 2.6.10 of the *Rules of Practice and Procedure* and section 15.1(p) of the Commission's *Compact*.

BY THE COMMISSION

APPROVAL DATE: July 16, 2008

EXPIRATION DATE: July 16, 2018