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**DOCKET NO. D-2002-024-3**

**DELAWARE RIVER BASIN COMMISSION**

**Located in Drainage Area to Special Protection Waters**

**Morgan Hill Golf Course, Inc.  
Groundwater Withdrawal  
Williams Township, Northampton County, Pennsylvania**

**PROCEEDINGS**

This docket is issued in response to an Application submitted to the Delaware River Basin Commission (DRBC or Commission) on October 29, 2024 for renewal of an allocation of groundwater withdrawal and review of a groundwater withdrawal project (Application).

Application was reviewed for continuation of this project in the Comprehensive Plan and for approval under Section 3.8 of the *Delaware River Basin Compact*. The Northampton County Planning Commission has been notified of pending action on this docket. A public hearing on this project was held by the DRBC on May 7, 2025.

**A. DESCRIPTION**

- 1. Purpose.** The purpose of this project is to renew the approval of an existing groundwater withdrawal of up to 7.03 million gallons per month (mgm) of groundwater to the docket holder's golf course irrigation system from Well IW-1.
- 2. Location.** The project well is completed in the Leithsville Dolomite Formation. The project is located in the Delaware River Watershed, within the drainage area to the Lower Delaware Special Protection Waters, in Williams Township, Northampton County, Pennsylvania.

Specific location information has been withheld for security reasons.

- 3. Area Served.** The project well will only provide irrigation water to the docket holder's Morgan Hill Golf Club golf course. For the purpose of defining Area Served, the Application is incorporated herein by reference consistent with conditions contained in Section C. **DECISION** of this docket.

4. **Design Criteria.** The docket holder's golf course is an 18-hole golf course located on 160 acres and consists of 70 acres of fairways and tees, 6 acres of greens and 8 acres of other grounds that are irrigated. The allocation of groundwater from the well herein will serve the golf course irrigation only. The docket holder's facility has an average and maximum water demand of 0.23 million gallons per day (mgd) and 0.25 mgd, respectively. The docket holder does not project an increase in water use over the next 10 years. The allocation of 7.03 mgm should be sufficient to meet the future demands of the docket holder's golf course.

Groundwater is pumped from Well IW-1 to a storage pond and then pumped from the pond as needed for irrigation. The pond is used for temporary storage, which also collects storm water from the site.

The docket holder's Well IW-1 will supply up to 7.03 mgm of groundwater for supplemental irrigation. Maximum irrigation demand is 7.75 mgm. The difference between the maximum demand and the groundwater allocation (0.72 mgm) will be provided by on-site management and storage of storm water. On-site storage is approximately 2.4 million gallons.

The irrigation system is managed with a Site Pro central computer, which receives hourly weather data from an on-site weather station. The weather measurements made with this station include air temperature, wind speed and direction, precipitation, solar radiation and relative humidity. These data with the exception of wind direction are used by the Site pro system to calculate evapotranspiration.

The potable water at the golf course's clubhouse is provided by Easton Suburban Water Company which was most recently approved in Docket No. D-1999-062 CP-2 on September 14, 2016.

5. **Facilities.** The existing project wells have the following characteristics:

WELL NO.	DEPTH (FEET)	CASED DEPTH/ CASING DIAMETER	PUMP CAPACITY (GPM)	YEAR DRILLED
IW-1	246	90' / 10"	180	2002

Well IW-1 is metered.

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

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

6. **Other.** Wastewater is conveyed to the Easton Area Joint Sewer Authority sewage treatment facility which received approval most recently by DRBC Docket No. D-1987-010 CP-4 on September 9, 2021. The docket holder currently has a renewal application into the Commission, and it is set to be approved on June 11, 2025. The treatment facility has adequate capacity to

receive wastewater from this project. The PADEP issued NPDES Permit No. PA0027235 for this facility.

## **B. FINDINGS**

### **1. Special Protection Waters**

In 1992, the DRBC amended its *Water Quality Regulations (WQR)* by the addition of regulations for the protection of Special Protection Waters (SPW), designed to maintain the quality of interstate waters where existing quality is better than the established stream quality objectives. As the result of its initial classifications and subsequent amendments, the Commission has designated the entire non-tidal main stem Delaware River from Hancock, New York to Trenton, New Jersey as SPW. DRBC's SPW regulations apply within the designated reaches and their drainage area.

The well providing water supply to the docket holder is located within the drainage area to SPW. Sections 3.10.3A.2.e.1) and 2) of the *WQR* state that projects subject to review under Section 3.8 of the *Compact* that are located within the drainage area of SPW must submit for approval a Non-Point Source Pollution Control Plan (NPSPCP) that controls the new or increased non-point source loads generated within the portion of the docket holder's service area which is also located within the drainage area of SPW.

Since this project involves the renewal of an approval for existing activities and does not entail additional construction or expansion of facilities or create new or increased non-point source loads, the NPSPCP requirement is not applicable at this time. Condition C.21. of this docket provides that at such time, if ever, as additions to the area served by the docket holder's withdrawals are proposed, the docket holder will be required to demonstrate compliance with an approved NPSPCP in accordance with DRBC's SPW regulations.

### **2. Surface Water Charges**

The docket holder shall pay for surface water use which exceeds the amount of water withdrawn from Well IW-1 in accordance with *Basin Regulations-Water Supply Charges* 18 C.F.R. Part 420. See Section C. DECISION Condition C.3.

### **3. Other Findings**

The docket holder has incorporated a number of conservation practices into daily operations. Irrigation is applied at night to reduce evaporation and is managed with a computerized system. Fairways and tees are planted with only drought resistant grass (rye). Best management practices (BMPs) are used to reduce the number of fertilizers and pesticides, and to buffer zones near streams. During periods of drought, the project withdrawals are subject to curtailment in accordance with the PADEP's drought operating plans and procedures.

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*.

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

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

Effective on the approval date for Docket No. D-2002-024-3 below, Docket No. D-2002-024-2 is terminated and replaced by Docket No. D-2002-024-3. The project and appurtenant facilities as described in Section A.4. (Design Criteria) and A.5. (Facilities) are approved subject to the following conditions, pursuant to Section 3.8 of the *Compact*:

#### Monitoring and Reporting

1. The docket holder shall continue to report to the PADEP all surface and groundwater sources described in this docket in accordance with the Pennsylvania Regulations (Title 25 - Environmental Protection, [25 PA. CODE CH. 110], Water Resources Planning).

2. The project withdrawals shall be metered by means of an automatic continuous recording device, flow meter, or other method, and shall be measured to within 5 percent of actual flow. Meters or other methods of measurement shall be subject to approval and inspection by the PADEP as to the type, method, installation, maintenance, calibration, reading and accuracy. A record of daily withdrawals shall be maintained, and monthly totals shall be reported to the PADEP annually and shall be available at any time to the Commission if requested by the Executive Director.

3. The docket holder shall pay for surface water use which exceeds the amount of water withdrawn from Well IW-1 in accordance with Basin Regulations – Water Supply Charges 18 C.F.R. Part 420.

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

#### Other Conditions

5. During any month, the combined withdrawal from Well IW-1 shall not exceed 7.03 mgm or 42.18 million gallons per year (mgd) (7.03 mgd times 6 months). The well shall not be pumped above the maximum rate and monthly allocation as indicated below:

WELL NO.	MAXIMUM RATE (GPM)*	MONTHLY ALLOCATION (MGM)
IW-1	180	7.03

\* Based on a 24-Hour Average

6. This approval shall expire on the expiration date set forth below unless prior thereto the docket holder has applied to the Commission to renew or extend this approval.

7. The docket holder is responsible for timely submittal to the DRBC of a docket renewal application on the appropriate application form including the appropriate docket application filing fee (see 18 C.F.R. 401.43) at least 6 months in advance of the docket expiration date set forth below. The docket holder will be subject to late filed renewal surcharges in the event of untimely submittal of its renewal application, whether or not DRBC issues a reminder notice in advance of the deadline or the docket holder receives such notice. If the docket holder has not applied to renew the docket or the DRBC is unable to reissue the docket before the expiration date below, the terms and conditions of the current docket will remain fully effective and enforceable pending the renewal of the docket.

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

9. The wells shall be operated at all times to comply with the requirements of the WC and WQR of the DRBC.

10. The wells shall be equipped with readily accessible capped ports and minimum ½ inch inner diameter (ID) drop pipes so that water levels may be measured under all conditions.

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

12. 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).

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

14. 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.

15. 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*.

16. The docket holder shall be subject to applicable DRBC regulatory program fees, in accordance with duly adopted DRBC resolutions and/or regulations. (see 18 C.F.R. 401.43).

17. This approval is transferable by request to the DRBC Executive Director provided that the project purpose and area served approved by the Commission in this docket will not be materially altered because of the change in project ownership. The request shall be submitted on the appropriate form and be accompanied by the appropriate fee (see 18 C.F.R. 401.43).

18. The docket holder shall request a name change of the entity to which this approval is issued if the name of the entity to which this approval is issued changes its name. The request for name change shall be submitted on the appropriate form and be accompanied by the appropriate fee (see 18 C.F.R. 401.43).

19. 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 to ensure the proper control, use and management of the water resources of the Basin.

20. If the monitoring required herein or any other relevant data or information demonstrates that the operation of this project is interfering with or otherwise impairing existing uses of ground or surface water, or if the docket holder receives a complaint from an existing ground or surface water user within the zone of influence of the withdrawal alleging such interference or impairment, the permit holder shall immediately notify the Executive Director, and unless excused by the Executive Director, shall investigate the demonstrated or alleged impacts. For purposes of this condition, notification shall mean either (a) electronic transmittal of written notice to the Executive Director via email (using addresses posted on the DRBC website); or (b) written notice to the Executive Director and a telephone call to the Project Review Section at 609-883-9500, ext. 216. (Oral notification must always be accompanied by immediate written notification directed to the Executive Director.) In addition, the docket holder shall provide written notice to all potentially affected water users of the docket holder's responsibilities under this condition. **Any well or surface water supply that is impaired as a result of the docket holder's project withdrawal shall be repaired, replaced or mitigated at the docket holder's expense.** The scope of the options to consider for repair, replacement and/or mitigation shall not be limited solely to those that are owned, operated, or controlled by the project sponsor. An investigation report and/or mitigation plan prepared and certified by a licensed professional engineer and/or a licensed professional geologist shall be submitted to the Executive Director as soon as practicable following notice of the demonstrated or alleged impairment consistent with this paragraph. The Executive Director shall make the final determination regarding the scope and sufficiency of the investigation and the extent of any mitigation measures that may be required. Where ground and surface waters are rendered unavailable, unusable, or unsuitable for the pre-existing use, the Executive Director may direct

the docket holder to take interim actions to mitigate such impacts, pending completion of the investigative report and any long-term repair, replacement or mitigation.

21. Prior to allowing connections from any new service areas or any new developments, the docket holder shall either submit and have approved by the Executive Director of the DRBC a Non-Point Source Pollution Control Plan (NPSPCP) in accordance with Section 3.10.3.A.2.e or receive written confirmation from the Executive Director of the DRBC that the new service area complies with a DRBC approved NPSPCP.

22. 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.

23. Any person who objects to a docket decision by the Commission may request a hearing in accordance with Article 6 of the *Rules of Practice and Procedure*. In accordance with Section 15.1(p) of the *Delaware River Basin Compact*, cases and controversies arising under the *Compact* are reviewable in the United States district courts.

**BY THE COMMISSION**

**APPROVAL DATE:**

**EXPIRATION DATE: June 11, 2035**