ER-BWQ-15-Rev. 11/85

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER QUALITY MANAGEMENT

WATER QUALITY MANAGEMENT PERMIT NO. 5200401

A. PERMITTEE: (Name and Address)

Tamiment Development, Inc.
Tamiment Resort
Tamiment, PA 18371

B. PROJECT LOCATION

Municipality: Lehman Township

County: Pike

C. TYPE OF FACILITY (For industrial wastes; type of establishment)

Spray Irrigation System

D. NAME OF PLANT, AREA SERVED, OUTFALL NO., ETC.

Tamiment Golf Course

E. THIS PERMIT APPROVES:

1. Plans For Construction Of:
   a. [X] Pump Stations: Sewers and Appurtenances
   b. [ ] Sewage Treatment Facilities
   c. [ ] Industrial Wastes Treatment Facilities
   d. [ ] Injection Well
   e. [ ] Outfall & Headwall
   f. [ ] Stream Crossing
   g. [X] Impoundment

2. The Discharge Of: a. [ ] Treated b. [ ] Untreated c. [ ] Sewage d. [ ] Industrial Wastes

3. Discharge To:
   a. [ ] Surface Water
   b. [X] Ground Water

   Unnamed Tributary to Little Bushkill Creek
   Name of Stream to which discharged or drainage area in which groundwater discharge takes place or impoundment is located.

4. Preparedness, Prevention, Contingency (PPC) Plan [ ]

5. An Erosion and Sedimentation Control Plan
   Project Area is _____ Acres [ ]

F. THIS APPROVAL IS SUBJECT TO THE FOLLOWING CONDITIONS:

1. ALL CONSTRUCTION, OPERATIONS, PROCEDURES AND DISCHARGE SHALL BE IN ACCORDANCE WITH APPLICATION NO. 5200401 DATED February 15, 2000 ITS SUPPORTING DOCUMENTATION, AND AMENDMENTS DATED None. SUCH APPLICATION, ITS SUPPORTING DOCUMENTATION AND AMENDMENTS ARE HEREBY MADE A PART OF THIS PERMIT.

2. CONDITIONS NUMBERED 1,2,6,9,11,14,16,21, and 22 OF THE sewerage STANDARD CONDITIONS DATED September 2, 1983 AND CONDITIONS NUMBERED N/A OF THE EROSION CONTROL STANDARD CONDITIONS DATED N/A WHICH CONDITIONS ARE ATTACHED AND MADE PART OF THIS PERMIT.

3. SPECIAL CONDITIONS DESIGNATED 1,2,3,4,5,6, and 7 WHICH ARE ATTACHED AND ARE MADE A PART OF THIS PERMIT.

G. THE AUTHORITY GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING FURTHER QUALIFICATIONS:

1. IF THERE IS A CONFLICT BETWEEN THE APPLICATION ON ITS SUPPORTING DOCUMENTS AND AMENDMENTS AND THE STANDARD OR SPECIAL CONDITIONS, THE STANDARD OR SPECIAL CONDITIONS SHALL APPLY.

2. FAILURE TO COMPLY WITH THE RULES AND REGULATIONS OF THE DEPARTMENT OR WITH THE TERMS OR CONDITIONS OF THIS PERMIT SHALL VOID THE AUTHORITY GIVEN TO THE PERMITTEE BY THE ISSUANCE OF THE PERMIT.

3. THIS PERMIT IS ISSUED PURSUANT TO THE CLEAN STREAMS LAW, ACT OF JUNE 22, 1937, P.L. 1987 AS AMENDED 35 P.S. §691.1 ET SEQ. AND/OR THE DAM SAFETY AND ENCROACHMENTS ACT OF NOVEMBER 26, 1978, P.L. 1375, AS AMENDED, 32 P.S. §693.1 ET SEQ. ISSUANCE OF THIS PERMIT SHALL NOT RELIEVE THE PERMITTEE OF ANY RESPONSIBILITY UNDER ANY OTHER LAW.

PERMIT ISSUED

DEPARTMENT OF ENVIRONMENTAL PROTECTION

DATE September 13, 2000

BY: Kate Crowley
KATE CROWLEY

TITLE Program Manager
Water Management Program

SPECIAL CONDITIONS

This permit is also subject to the following special conditions:

1. Spray irrigation may occur on the golf course as required by accepted golf course management practices to maintain turf quality. Spray irrigation should not occur at a rate exceeding 1.5 inches/acre/week.

2. Soil fertilization and liming requirements for the greens and fairways shall be determined by soil tests conducted semi-annually (spring and fall). The fertilization requirements should be adjusted to account for the nutrient loading provided by the irrigation water. A copy of the soils testing data and records of supplementary fertilization shall be submitted to the Department with the Discharge Monitoring Report.

3. The permittee shall keep records of the spray field operation, including the date of wastewater application, the amount of effluent spray irrigated, rainfall amounts and the total nitrogen content of the effluent (as determined by analyzing an 8-hour composite sample taken once per week during the spray season). Copies of these records shall be submitted monthly with the Discharge Monitoring Report.

4. Phase I consisting of spray irrigation on the greens, tees and fairways. Phase II consists of spray irrigation on the roughs and wooded areas not planned for development adjoining the golf course. A permit application for Phase II shall be submitted when the 30-day average flow meets or exceeds 250,000 gpd.

5. The outlet of the storage lagoon underdrain system shall be inspected monthly to determine if a discharge is occurring. If present, the discharge should be sampled and an analysis for fecal coliform, nitrate nitrogen, BOD and chloride completed. The results of the inspection and any sample analysis shall be submitted with the Discharge Monitoring Report.

6. Twelve (12) lysimeters shall be installed throughout the golf course to monitor the performance of the spray irrigation system. The lysimeters will be sampled in 4 groups consisting of 3 lysimeters, each. The samples from each group will be composited and analyzed for pH, total nitrogen, and total phosphorous. The samples will be collected twice a year in June and October.

7. Surface water monitoring shall consist of quarterly sampling (April, June, October, December) for Monitoring Points 1, 2, 7 and 8 and during the spray season, one storm event shall be sampled at Monitoring Points 1, 2, 3, 4, 5, 6, 7, and 8. For each surface water monitoring point, a pH, temperature, and flow shall be recorded and a sample will be collected, if possible, and analyzed for total nitrogen, conductivity, chloride, fecal coliform, BOD and phosphate.

   Certified chemical analysis reports of the water samples collected from each monitoring point shall be submitted to the Department.