



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER SUPPLY AND WASTEWATER MANAGEMENT

**WATER QUALITY MANAGEMENT
PERMIT**

PERMIT NO. 2403401

AMENDMENT NO. _____

APS ID. 471979AUTH. ID. 488851

A. PERMITTEE (Name and Address): PA DCNR - Bendigo State Park Glen Hazel Road P.O. Box A, Johnnburg, PA 15845 4 MILES NE OF JOHNSONBURG ON SR 1004		CLIENT ID#: 52524		B. PROJECT/FACILITY (Name): Spray irrigations system to serve bathhouse building, 2 comfort stations, and park office/maintenance building	
C. LOCATION (Municipality, County): Jones Township, Elk County				SITE ID#: 450209	
D. This permit approves the construction of sewerage facilities consisting of: (4) pump stations, (3) 5,000 gallon septic tanks, (1) 8000 gallon holding tank, (1) 700 gallon dosing tank, (2) 746.9 square foot subsurface sand filters, (1) tablet chlorination unit, spray irrigation system with sprinklers and a 1.2 acre forested spray field.					
Pump Stations: 4 Design Capacity: 3.68, 34.3, 11 and 0.1 GPM			Industrial Wastewater/Sewage Treatment Facility: Annual Average Flow: 0.00099 MGD Design Hydraulic Capacity: 0.00409 MGD Design Organic Capacity: 68 lb. BOD₅/day		
E. APPROVAL GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING: 1. New Permits: All construction, operations, and procedures shall be in accordance with the Water Quality Management Permit application dated <u>12/23/02</u> , its supporting documentation, and addendums dated <u>5/14/03</u> , which are hereby made a part of this permit. Amendments: All construction, operations, and procedures shall be in accordance with the Water Quality Management Permit Amendment application dated <u>N/A</u> and its supporting documentation, and addendums dated <u>N/A</u> , which are hereby made a part of this amendment. Except for any herein approved modifications, all terms, conditions, supporting documentation and addendums approved under Water Quality Management Permit No. <u>N/A</u> dated <u>N/A</u> shall remain in effect. Transfers: Water Quality Management Permit No. <u>N/A</u> dated <u>N/A</u> and conditions, supporting documentation and addendums are also made part of this transfer.					
2. Permit Conditions Relating to Sewerage and Erosion and Sediment Control are attached and made part of this permit.					
3. Special Conditions numbered 1-9 are attached and made part of this permit.					
F. THE AUTHORITY GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING FURTHER QUALIFICATIONS: 1. If there is a conflict between the application or its supporting documents and amendments and the attached conditions, the attached conditions shall apply. 2. Failure to comply with the rules and regulations of DEP or with the terms or conditions of this permit shall void the authority given to the permittee by the issuance of this 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: JUN 04 2003			BY:  James D. Rozakis Assistant Regional Director TITLE: Northwest Regional Office		

SPECIAL CONDITIONS

1. **Operations and Maintenance:** The permittee will follow the Sewage System Management Plan submitted.
2. **Spray Volume and Effluent Monitoring Requirements:** The effluent quality after disinfection (prior to spray irrigation) must be sampled and analyzed for the parameters noted below. The total effluent volume sprayed must also be monitored and reported. A minimum level of secondary treatment must be afforded to the wastewater. This bi-monthly sampling shall continue for 2 years from the permit issuance date. After this time, the permittee may request relaxation of these sampling frequencies if: 1) the effluent quality is consistent and compliant with the effluent limits below, and 2) the monitor and report parameters do not reveal elevated levels beyond expected secondary treatment. DEP will make a determination based on that data if elevated levels exist. Otherwise, the frequencies noted below must continue for the life of this permit. This data must be submitted on the monthly Discharge Monitoring Reports (DMRs) provided with this permit to the DEP by 28 days of the following month.

If effluent limits are violated, or DEP determines elevated levels of the monitor and report parameters exist, the permittee shall take all necessary corrective actions to abate this situation.

A grab sample is an individual sample of at least 100 milliliters collected at a randomly selected representative time over a period not exceeding 15 minutes.

Parameter	Frequency	Sample Type	Effluent Limits
Spray Volume	Weekly and Monthly	Pump Elapsed Time Meters	The permittee shall monitor and report the total volume of effluent spray irrigated on a weekly basis, and the total volume for the month in gallons. The weekly volume sprayed shall not exceed 23,290 gallons/week or 4091 gallons/day.
CBOD5	1/Month	Grab	25 mg/l as a monthly average
TSS	1/Month	Grab	30 mg/l as a monthly average
NH3-N	1/Month	Grab	Monitor and Report monthly average – mg/l
NO2-NO3	1/Month	Grab	Monitor and Report monthly average – mg/l
Fecal Coliforms	1/Month	Grab	Provisions of effective disinfection to control disease-producing organisms – all year. Effective disinfection to control disease-producing organisms shall be defined as the product of an effluent which will contain a concentration not greater than 200/100 milliliters of fecal coliform organisms as a geometric mean value nor greater than 1,000/100 milliliters of these organisms in more than 10% of the samples tested.
pH	1/Month	Grab	Within 6.0 – 9.0 Standard Units at all times

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3. Upon completion of construction the applicant, through his consultant, will submit verification that final construction complies with the submitted plans and specifications. This verification will include pressure testing the spray irrigation components to confirm proper system operation.
4. Copies of monthly Discharge Monitoring Reports (DMRs) must be submitted within 28 days of the end of the monitoring period to:

Department of Environmental Protection
Northwest Regional Office
Water Management Program
230 Chestnut Street
Meadville, PA 16335

5. Unless otherwise specified in this permit, the test procedures for analysis of pollutants shall be those contained in 40 CFR Part 136, or alternative test procedures approved pursuant to that Part. For the analysis of CBOD5 consult Section 507 of Standard Methods.
6. If the permittee monitors any pollutant more frequently than the permit requires, the results of this monitoring shall be incorporated, as appropriate, into the calculations used to report self-monitoring data on the DMR.
7. The permittee is only allowed to operate the spray irrigation system during the period of May 1 through October 31 of each year. Spray irrigation from November 1 through April 30 is not permitted. In addition, depending on soil moisture conditions spray irrigation may not be possible without overland runoff (which is prohibited). In this case, the permittee shall store all wastewater generated until such time as spray irrigation can resume.
8. The permittee shall not spray irrigate if more than 1" of rain is received during the previous 24-hour period. In addition, the permittee shall effectively monitor the soil moisture conditions in the spray field areas, especially periods of excess soil moisture, and operate the spray irrigation system such that runoff does not occur. This may involve a "waiting period" after precipitation events to allow time for the soil to drain sufficiently before the next application of effluent.
9. Application of effluent shall be managed to prevent run-off of effluent from the permitted sprayfield and ponding of effluent in the spray area.