

Application Type Amendment, Major  
Facility Type Non-Municipal  
Major / Minor Minor

**NPDES PERMIT FACT SHEET  
INDIVIDUAL SEWAGE**

Application No. PA0053279 A-1  
APS ID 1077344  
Authorization ID 1420499

**Applicant and Facility Information**

Applicant Name	<u>The Mckee Group</u>	Facility Name	<u>Buckingham Springs Village</u>
Applicant Address	<u>1490 Durham Road</u> <u>New Hope, PA 18938</u>	Facility Address	<u>Village of Buckingham Springs 2490</u> <u>Durham Road</u> <u>New Hope, PA 18938</u>
Applicant Contact	<u>Kent Jagers</u>	Facility Contact	<u>Kent Jagers</u>
Applicant Phone	<u>(215) 598-7600</u>	Facility Phone	<u>(215) 598-7600</u>
Client ID	<u>62996</u>	Site ID	<u>240632</u>
Ch 94 Load Status	<u>Not Overloaded</u>	Municipality	<u>Buckingham Township</u>
Connection Status		County	<u>Bucks</u>
Date Application Received	<u>December 9, 2022</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted		If No, Reason	
Purpose of Application	<u>Major amendment of the NPDES permit in incorporate their operating changes.</u>		

**Summary of Review**

Permittee has submitted amendment application to incorporate process changes were constructed and implemented in July 2022 under Water Quality Management Permit #00921406.

These changes included:

1. Replacement of chemical disinfection process with UV disinfection
2. Replacement of sand filtration unit with a disc filtration unit.
3. Replacement of ferric chloride chemical addition with poly-aluminum chloride.

No other changes are listed in submittal, therefore daily minimum monitoring for Ultraviolet light intensity (mW/cm<sup>2</sup>) will be replacing TRC monitoring as listed in pages 2 and 3 of this factsheet.

Public Participation

DEP will publish notice of the receipt of the NPDES permit application and a tentative decision to issue the individual NPDES permit in the *Pennsylvania Bulletin* in accordance with 25 Pa. Code § 92a.82. Upon publication in the *Pennsylvania Bulletin*, DEP will accept written comments from interested persons for a 30-day period (which may be extended for one additional 15-day period at DEP's discretion), which will be considered in making a final decision on the application. Any person may request or petition for a public hearing with respect to the application. A public hearing may be held if DEP determines that there is significant public interest in holding a hearing. If a hearing is held, notice of the hearing will be published in the *Pennsylvania Bulletin* at least 30 days prior to the hearing and in at least one newspaper of general circulation within the geographical area of the discharge.

Approve	Deny	Signatures	Date
X		<i>Begay Omuralieva</i> Begay Omuralieva / Environmental Engineering Specialist	July 3, 2023
X		<i>Pravin Patel</i> Pravin C. Patel, P.E. / Environmental Engineer Manager	07/03/2023

**Proposed Effluent Limitations and Monitoring Requirements**

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (362-0400-001), SOPs and/or BPJ.

**Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.**

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	Report Daily Max	XXX	XXX	XXX	XXX	Continuous	Recorded
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/day	Grab
DO	XXX	XXX	5.0 Inst Min	XXX	XXX	XXX	1/day	Grab
Ultraviolet light intensity (mW/cm <sup>2</sup> )	XXX	XXX	Report	XXX	XXX	XXX	1/day	Recorded
CBOD5 Nov 1 - Apr 30	13	XXX	XXX	15	XXX	30	1/week	8-Hr Composite
CBOD5 May 1 - Oct 31	8.3	XXX	XXX	10	XXX	20	1/week	8-Hr Composite
TSS	25	XXX	XXX	30	XXX	60	1/week	8-Hr Composite
Total Dissolved Solids	1251	XXX	XXX	1500.0	XXX	XXX	1/month	8-Hr Composite
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	200 Geo Mean	XXX	1000	1/week	Grab
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1000	1/week	Grab
Nitrate-Nitrite Nov 1 - Jun 30	Report	XXX	XXX	Report	XXX	XXX	1/week	8-Hr Composite
Nitrate-Nitrite Jul 1 - Oct 31	6.7	XXX	XXX	8.0	XXX	16	1/week	8-Hr Composite
Total Nitrogen	Report	XXX	XXX	Report	XXX	XXX	1/week	8-Hr Composite

Outfall 001 , Continued (from Permit Effective Date through Permit Expiration Date )

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
Ammonia Nov 1 - Apr 30	5.8	XXX	XXX	7.0	XXX	14	1/week	8-Hr Composite
Ammonia May 1 - Oct 31	2.5	XXX	XXX	3.0	XXX	6	1/week	8-Hr Composite
Total Phosphorus Nov 1 - Mar 31	1.7	XXX	XXX	2.0	XXX	4	1/week	8-Hr Composite
Total Phosphorus Apr 1 - Oct 31	1.1	XXX	XXX	1.5	XXX	3	1/week	8-Hr Composite

Compliance Sampling Location: Outfall 001