3850-PM-BCW0015d 3/2016 Permit



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

PERMIT NO 3916402

AMENDMENT NO. T-1

APS ID. <u>1051000</u>

AUTH. ID. 1375056

WATER QUALITY MANAGEMENT PERMIT

Α.	PERMITTEE (Name and Address):	CLIENT ID#: 366580	В	PROJECT/FACILITY (Nan	ne).		
	Glencrest MHP LLC			Glencrest MHP			
	139 Country Club Road						
	Northampton, PA_18067-3028						
C.	LOCATION (Municipality, County):		SI	TE ID#: 245941			
	Washington Township, Lehigh Co	unty					
D.	This Transfer approves the Operation	n of sewage facilities consisting of:					
٥.	This Transfer approves the operation	Transferred 2	017 Permi	•			
	The existing 1,212-gallon steel chlori				orine contact	/ final clarification /	
	post-aeration tank.	ine contact tank will be replaced with	a new pre	odot combination derated onic	onino oonidot	/ Illiai dialilloation /	
	- 2,100-gallon aerated conta						
	 1,277-gallon final clarifying zone 454-gallon post-aeration zone 						
	TOT GAILOTT POST-ACTATION ZOTIC						
	The existing 15,000-gallon equalizati	ion tank will be drained / inspected a	nd replace	d in-kind if necessary. A new	3-hp grinder	will be installed to	
	replace the comminutor.						
The existing 35,000 gpd treatment tank will be sandblasted and recoated.							
	The existing sludge digester tank will						
	plugged and a transfer port will be cu	ut in the baffle wall to prevent overfilli	ng of the c	enter aeration compartment b	y allowing o	verflow to enter the	
	10,000-gallon treatment tank.						
	Two new 15-hp blowers will be instal						
	redundancy. The existing 7.5-hp blo	wer that provides air to the treatmen	t tank will b	e upgraded with a 15-hp mot	or to enhanc	e air supply.	
	Installation / replacement / refurbishing	ng of other associated appurtenance	s are part	of the project, including: subm	ersible slud	ge pumps,	
	submersible dewatering pumps, tran		weirs, valv	es, splitter box, magnesium a	nodes, pipin	g, walkways and	
	safety railing, tank sandblasting and	recoating.					
	The existing and unused final sand fi	Iter will be removed from the site.					
Pun	np Stations:	Manure Storage:	S	ewage Treatment Facility:			
Des	Design Capacity: GPM Volume: MG		A	nnual Average Flow:	0.035	MGD	
	· · · · —	Freeboard: inches	D	esign Hydraulic Capacity:	0.035	MGD	
		inches				_	
				esign Organic Capacity:	<u>66</u>	lb/day	
E.	APPROVAL GRANTED BY THIS PE	RMIT IS SUBJECT TO THE FOLLO	WING:				
1.							
	Transfers: Water Quality Management Permit No. <u>3916402</u> dated <u>January 25, 2017</u> and conditions, supporting documentation and addendums are also made part of this transfer.						
2.	Permit Conditions Relating to Sewer	and are attached and made nort of th	nie narmit				
3.	Special Conditions A and B are attack	•	ns pennit.				
	<u></u>			0 511551155 0114115104510			
F.							
	If there is a conflict between the application or its supporting documents and amendments and the attached conditions, the attached conditions shall apply.						
1.		ication or its supporting documents a	and amend	ments and the attached condi	itions, the att	ached conditions	
 2. 	shall apply. Failure to comply with the rules and I	,, ,					
	shall apply. Failure to comply with the rules and by the issuance of this permit.	regulations of DEP or with the terms	or conditio	ns of this permit shall void the	authority gi	ven to the permittee	
	shall apply. Failure to comply with the rules and by the issuance of this permit. This permit is issued pursuant to the	regulations of DEP or with the terms Clean Streams Law Act of June 22, 1	or conditio	ns of this permit shall void the	authority gi	ven to the permittee	
2.	shall apply. Failure to comply with the rules and by the issuance of this permit.	regulations of DEP or with the terms Clean Streams Law Act of June 22, 1	or conditio	ns of this permit shall void the	authority gi	ven to the permittee	
2.	shall apply. Failure to comply with the rules and by the issuance of this permit. This permit is issued pursuant to the	regulations of DEP or with the terms Clean Streams Law Act of June 22, 1	or conditio	ns of this permit shall void the	authority gi	ven to the permittee	
2.	shall apply. Failure to comply with the rules and by the issuance of this permit. This permit is issued pursuant to the	regulations of DEP or with the terms Clean Streams Law Act of June 22, 1 responsibility under any other law.	or conditio	ns of this permit shall void the	authority gi	ven to the permittee	
2.	shall apply. Failure to comply with the rules and iby the issuance of this permit. This permit is issued pursuant to the shall not relieve the permittee of any PERMIT ISSUED:	regulations of DEP or with the terms Clean Streams Law Act of June 22, 1 responsibility under any other law.	or conditio	987, as amended 35 P.S. §69	authority given authority give	ven to the permittee	
2.	shall apply. Failure to comply with the rules and iby the issuance of this permit. This permit is issued pursuant to the shall not relieve the permittee of any	regulations of DEP or with the terms Clean Streams Law Act of June 22, 1 responsibility under any other law.	or conditio	ns of this permit shall void the	authority given authority give	ven to the permittee	



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT

PERMIT CONDITIONS RELATING TO SEWERAGE

For use in Water Quality Management Permits

The Department of Environmental Protection (DEP) considers the licensed Professional Engineer whose seal is affixed to the design documents to be fully responsible for the adequacy of all aspects of the facility design. The permittee shall adopt and enforce an ordinance requiring the abandonment of privies, cesspools or similar

(Check boxes that apply)

General

1.

 \bowtie

		receptacles for human waste and onlot sewage disposal systems on the premises of occupied structures accessible to public sewers. All such structures must be connected to the public sewers.
	3.	The outfall sewer or drain shall be extended to the low water mark of the receiving body of water. Where necessary to ensure proper mixing and waste assimilation, an outfall sewer or drain may be extended with appurtenances below the low water mark and into the bed of a navigable stream provided that the permittee has secured an easement, right-of-way, license or lease from DEP in accordance with Section 15 of the Dam Safety and Encroachments Act, the Act of November 26, 1978, P.L. 1375, as amended.
	4.	The approval is specifically made contingent on the permittee acquiring all necessary property rights, by easement or otherwise, providing for the satisfactory construction, operation, maintenance and replacement of all sewers or sewerage structures in, along or across private property with full rights of ingress, egress and regress.
	5.	When construction of the approved sewerage facilities is completed and before they are placed in operation, the permittee shall notify DEP in writing so that a DEP representative may inspect the facilities.
	6.	The approval of the plans, and the authority granted in this permit, if not specifically extended, shall cease and be null and void 5 years from the issuance date of this permit unless construction or modification of the facilities covered by this permit has begun on or before the fifth anniversary of the permit date.
	7.	If, at any time, the sewerage facilities covered by this permit create a public nuisance, including but not limited to, causing malodors or causing environmental harm to waters of the Commonwealth, DEP may require the permittee to adopt appropriate remedial measures to abate the nuisance or harm.
\boxtimes	8.	If, after the issuance of this permit, DEP approves a municipal sewage facilities official plan or an amendment to an official plan under Act 537 (Pennsylvania Sewage Facilities Act, the Act of January 24, 1966, P.L. 1535

9. This permit does not relieve the permittee of its obligations to comply with all federal, interstate, state or local laws, ordinances and regulations applicable to the sewerage facilities.

as amended) in which sewage from the herein approved facilities will be treated and disposed of at other planned facilities, the permittee shall, upon notification from the municipality or DEP, provide for the conveyance of its sewage to the planned facilities, abandon use and decommission the herein approved facilities including the proper disposal of solids, and notify DEP accordingly. The permittee shall adhere to schedules in the approved official plan, amendments to the plan, or other agreements between the permittee and municipality. This permit shall then, upon notice from DEP, terminate and become null and void and shall

- 10. This permit does not give any real or personal property rights or grant any exclusive privileges, nor shall it be construed to grant or confirm any right, easement or interest in, on, to or over any lands which belong to the Commonwealth.
- 11. The authority granted by this permit is subject to all effluent requirements, monitoring requirements and other conditions as set forth in the NPDES Permit and all subsequent amendments and renewals. No discharge is authorized from these facilities unless approved by an NPDES Permit.

Construction

be relinquished to DEP.

12. This permit is issued under the authorization of The Clean Streams Law and 25 Pa. Code Chapter 91. The permittee shall obtain all necessary permits, approvals and/or registrations under 25 Pa. Code Chapters 102, 105 and 106 prior to commencing construction of the facilities authorized by this permit, as applicable. The permittee should contact the DEP office that issued this permit if there are any questions concerning the applicability of additional permits.

Permit No. 3916402

		accordance with the approved reports, plans and specifications.	
	14.	A Pennsylvania licensed Professional Engineer shall certify that construction of the permitted facilities was completed in accordance with the application and design plans submitted to DEP, using the "Post Construction Certification" form (3800-PM-WSFR0179a). It is the permittee's responsibility to ensure that a Professional Engineer is on-site to provide the necessary oversight and/or inspections to certify the facilities. The certification must be submitted to DEP before the facility is placed in operation. As-built drawings, photographs (if available) and a description of all deviations from the application and design plans must be submitted to DEP within 30 days of certification.	
	15.	Manhole inverts shall be formed to facilitate the flow of the sewage and to prevent the stranding of sewage solids. The manhole structure shall be built to prevent undue infiltration, entrance of street wash or grit and provide safe access to facilitate manhole maintenance activities.	
	16.	The local Waterways Conservation Officer of the Pennsylvania Fish and Boat Commission (PFBC) shall be notified when the construction of any stream crossing and/or outfall is started and completed. A written permit must be secured from the PFBC if the use of explosives in any waterways is required and the permittee shall notify the local Waterways Conservation Officer when explosives are to be used.	
Оре	eratio	n and Maintenance	
	17.	The permittee shall maintain records of "as-built" plans showing all the treatment facilities as actually constructed together with facility operation and maintenance (O&M) manuals and any other relevant information that may be required. Upon request, the "as-built" plans and O&M manuals shall be filed with DEP.	
	18.	The sewers shall have adequate foundation support as soil conditions require. Trenches shall be back-filled to ensure that sewers will have proper structural stability, with minimum settling and adequate protection against breakage. Concrete used in connection with these sewers shall be protected from damage by water, freezing, drying or other harmful conditions until cured.	
	19.	Stormwater from roofs, foundation drains, basement drains or other sources shall not be admitted directly to the sanitary sewers.	
	20.	The approved sewers shall be maintained in good condition, kept free of deposits by flushing or other cleaning methods and repaired when necessary.	
\boxtimes	21.	The sewerage facilities shall be properly operated and maintained to perform as designed.	
	22.	The attention of the permittee is called to the highly explosive nature of certain gases generated by the digestion of sewage solids when these gases are mixed in proper proportions with air and to the highly toxic character of certain gases arising from such digestion or from sewage in poorly ventilated compartments or sewers. Therefore, at all places throughout the sewerage facilities where hazard of fire, explosion or danger from toxic gases may occur, the permittee shall post conspicuous permanent and legible warnings. The permittee shall instruct all employees concerning the aforesaid hazards, first aid and emergency methods of meeting such hazards and shall make all necessary equipment and material accessible.	
	23.	An operator certified in accordance with the Water and Wastewater Systems Operator Certification Act of February 21, 2002, 63 P.S. §§1001, et seq. shall operate the sewage treatment plant.	
	24.	The permittee shall properly control any industrial waste discharged into its sewerage system by regulating the rate and quality of such discharge, requiring necessary pretreatment and excluding industrial waste, if necessary, to protect the integrity or operation of the permittee's sewerage system.	
	25.	There shall be no physical connection between a public water supply system and a sewer or appurtenance to it which would permit the passage of any sewage or polluted water into the potable water supply. No water pipe shall pass through or come in contact with any part of a sewer manhole.	
	26.	All connections to the approved sanitary sewers must be in accordance with the official Act 537 Plan and, if applicable, a corrective action plan as contained in the approved Title 25 Pa. Code Chapter 94 Municipal Wasteload Management Annual Report.	
	27.	Collected screenings, slurries, sludge and other solids shall be handled and disposed of in compliance with Title 25 Pa. Code Chapters 271, 273, 275, 283 and 285 (related to permits and requirements for land filling, land application, incineration and storage of sewage sludge), Federal Regulations 40 CFR 257 and the	

13. The facilities shall be constructed under the supervision of a Pennsylvania licensed Professional Engineer in

Federal Clean Water Act and its amendments.



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

WATER QUALITY MANAGEMENT POST CONSTRUCTION CERTIFICATION

PERMITTEE IDENTIFIER					
Permittee Glencrest MHP LLC					
Municipality Washington Township					
County Lehigh					
WQM Permit No. <u>3916402</u>					
Facility Type	Sewage				
All of the above information should be taken directly from the Water Quality Management Permit.					
CERTIFICATION					
This certification must be completed and returned to the permits section of the DEP's regional office issuing the WQM permit within 30 days of completion of the project and received by DEP prior to operation, and if requested, as-built drawings, photographs (if available) and a discussion of any DEP-approved deviations from the design plans during construction.					
I, being a Registered Professional Engineer in Pennsylvania, do hereby certify to the best of my knowledge and belief, based upon personal observation and interviews, that the above facility approved under the Water Quality Management Permit has been constructed in accordance with the plans, specifications and modifications approved by DEP.					
Construction Completion Date (MM/DD/YYYY):					
		Professional Engineer			
		Name(Please Print or Type)			
		Signature			
		Date			
		License Expiration Date			

Engineer's

Seal

Permittee or Authorized Representative

Name (Please Print or Type)

Signature

Firm or Agency

Telephone

Title

Telephone