pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

JUL 26 2016

CERTIFIED MAIL NO. 9171 9690 0935 0109 5383 57

Dave Still
Hanover Foods Corporation
1486 York Street
PO Box 334
Hanover, PA 17331-0334

Re: WQM Permit - Industrial Waste 3G
Hanover Foods
Permit No. 6715201
Authorization ID No. 1073957
APS ID No. 274875
Penn Township, York County

Dear Mr. Herr:

Your Water Quality Management (WQM) permit is enclosed. You must comply with all Standard and Special Conditions attached to this Permit. Please note that an Annual Report requirement has been included as a special condition in the permit. Construction must be done in accordance with the permit application and all supporting documentation. Please review the permit conditions and the supporting documentation submitted with your application before starting construction.

Please note that you are responsible for securing all other required permits, approvals and/or registrations associated with the project, if applicable, under Chapters 102 (erosion and sedimentation control), 105 (stream obstructions and encroachments) and 106 (floodplains) of DEP's regulations. Construction may not proceed until all other required permits have been obtained.

Enclosed is the "Water Quality Management Post Construction Certification" form. A Pennsylvania-registered Professional Engineer must sign and complete this form prior to startup of the facilities. You or your authorized representative must also sign the form. This certification and other post-construction documentation must be submitted to DEP within 30 days of completion of the project and must be received by DEP prior to commencing operation of the facilities.

Any person aggrieved by this action may appeal, pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. Section 7514, and the Administrative Agency Law, 2 Pa.C.S. Chapter 5A, to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, P.O. Box 8457, Harrisburg, PA 17105-8457, 717.787.3483. TDD users may contact the Board through the Pennsylvania Relay Service, 800.654.5984. Appeals

must be filed with the Environmental Hearing Board within 30 days of receipt of written notice of this action unless the appropriate statute provides a different time period. Copies of the appeal form and the Board's rules of practice and procedure may be obtained from the Board. The appeal form and the Board's rules of practice and procedure are also available in braille or on audiotape from the Secretary to the Board at 717.787.3483. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST REACH THE BOARD WITHIN 30 DAYS. YOU DO NOT NEED A LAWYER TO FILE AN APPEAL WITH THE BOARD.

IMPORTANT LEGAL RIGHTS ARE AT STAKE, HOWEVER, SO YOU SHOULD SHOW THIS DOCUMENT TO A LAWYER AT ONCE. IF YOU CANNOT AFFORD A LAWYER, YOU MAY QUALIFY FOR FREE PRO BONO REPRESENTATION. CALL THE SECRETARY TO THE BOARD (717.787.3483) FOR MORE INFORMATION.

During construction or upon completing construction, please contact Aaron Baar at 717.705.4791 or abaar@pa.gov so that an inspection of the facilities may be conducted, at DEP's discretion.

Sincerely,

Maria D. Bebenek, P.E.
Environmental Program Manager
Clean Water Program

Enclosures

cc: Mark Pickering, P.E., GHD Inc.

3800-PM-WSFR0015 1/2011
Permit

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

WATER QUALITY MANAGEMENT PERMIT

PERMIT NO. 6715201

AMENDMENT NO. _____

APS ID. 274875

AUTH. ID. 1073957

A. PERMITTEE (Name and Address): CLIENT ID#: 62075
Hanover Foods Corp
1486 York Street PO Box 334
Hanover, PA 17331-0334

B. PROJECT/FACILITY (Name):
Hanover Foods

C. LOCATION (Municipality, County): SITE ID#: 271646
Penn Township, York County

D. This permit approves the construction and modification of sewage facilities consisting of:

1. Replacement of the existing influent screening system and pumps.
2. Construction of a new 500,000 gallon EQ Tank (e.g. Surge Tank). Flow will be withdrawn from the wetwell downstream of the screens and re-introduced upstream of the screens.
3. Construction of a second treatment train that mirrors the existing treatment process (110 ft. diameter anaerobic digester/methane stripper/dual 52 ft. diameter clarifiers.
4. Modifications that allow the existing slurry tank to also be utilized as a sludge storage tank.
5. Construction of an alum feed system into the clarifiers for TP removal.
6. Construction of a UV system rated for 1 mgd of flow.

As part of the upgrade, the applicant has requested that the hydraulic and organic capacities of the STP be downgraded. The requested new ratings are as follows:

1. AAF = 0.460 mgd
2. MMAF = 0.620 mgd
3. MD = 1.280 mgd
4. PH = 1.380 mgd
5. PI = 1.500 mgd
6. MD Organic Loading = 12,930 lbs BOD_5/day

Pump Stations: N/A	Manure Storage:	Sewage Treatment Facility:		
Design Capacity: N/A GPM	Volume: N/A MG	Annual Average Flow:	0.460	MGD
	Freeboard: N/A inches	Design Hydraulic Capacity:	0.460	MGD
		Design Organic Capacity:	12,930	lb/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 May 18, 2015, its supporting documentation and addendums dated June 10, 2015, August 19, 2015, October 1, 2015, December 7, 2015, January 20, 2016, April 28, 2016 and July 22, 2016, which are hereby made a part of this permit.
2. Permit Conditions Relating to Sewerage are attached and made part of this permit.
3. Special Condition 21 is 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.* Issuance of this permit shall not relieve the permittee of any responsibility under any other law.

PERMIT ISSUED: JUL 26 2016

BY: Maria D. Bebenek

Maria D. Bebenek, P.E.
TITLE: Clean Water Program Manager
Southcentral Regional Office

Permit No. 6715201

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

(Check boxes that apply)

General

☒ 1. 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.

☒ 2. The permittee shall adopt and enforce an ordinance requiring the abandonment of privies, cesspools or similar 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 2 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 second 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.

☒ 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 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 be relinquished to DEP.

☒ 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.

☒ 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 NPDES Permit No. **6715201** and all subsequent amendments and renewals. No discharge is authorized from these facilities unless approved by an NPDES Permit.

Construction

☒ 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.

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

Operation 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.

☒ 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 Federal Clean Water Act and its amendments.

Special Condition(s)

☒ 28. An annual report shall be submitted by March 15th annually to the Department's Southcentral Regional Office that provides an analysis of the previous year's (January – December) loading to the STP. The report, at a minimum, will provide the following:

A. A summary of the total influent hydraulic and BOD_5 loading from all sources into the Industrial STP. This summary shall include:

i. A summary of the quantity and quality of all process wastewater introduced to the Industrial STP.

ii. A summary of the quantity and quality of all cooling water introduced to the Industrial STP.

B. A summary of all process upsets, NPDES violations and/or Notice of Violations received in the reporting year.

C. An analysis that demonstrates that the loading to the Industrial STP is being managed such that the Industrial STP's hydraulic and organic loading capacity is not being exceeded.

3800-PM-WSFR0179a 9/2005
Post Construction Certification

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

WATER QUALITY MANAGEMENT
POST CONSTRUCTION CERTIFICATION

PERMITTEE IDENTIFIER	
Permittee	Hanover Foods Corp
Municipality	Penn Township
County	York
WQM Permit No.	6715201
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
	Firm or Agency
	Telephone
	Permittee or Authorized Representative
	Name _____ (Please Print or Type)
	Signature
	Title
	Telephone

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Southcentral Regional Office
CLEAN WATER PROGRAM

Application Type	New	**WATER QUALITY MANAGEMENT PERMIT INTERNAL REVIEW AND RECOMMENDATIONS**	Application No.	6715201
Facility Type	Industrial		APS ID	274875
WQM Type	Treatment Plant		Authorization ID	1073957

Applicant and Facility Information

Applicant Name	Hanover Foods Corp	Facility Name	Hanover Foods
Applicant Address	1486 York Street PO Box 334	Facility Address	1550 York Street
	Hanover, PA 17331-0334		Hanover, PA 17331-0334
Applicant Contact	Donald	Facility Contact	Byron
Applicant Phone	(717) 632-6000	Facility Phone	(717) 632-6000
Client ID	62075	Site ID	271646
SIC Code	2033	Municipality	Penn Township
SIC Description	Manufacturing - Canned Fruits And Vegetables	County	York

Purpose of Application: STP Upgrade

Internal Review and Recommendations

The applicant proposes the following:

1. Replacement of the existing influent screening system and pumps.
2. Construction of a new 500,000 gallon EQ Tank (e.g. Surge Tank). Flow will be withdrawn from the wetwell downstream of the screens and re-introduced upstream of the screens.
3. Construction of a second treatment train that mirrors the existing treatment process (110 ft. diameter anaerobic digester/methane stripper/dual 52 ft. diameter clarifiers.
4. Modifications that allow the existing slurry tank to also be utilized as a sludge storage tank.
5. Construction of an alum feed system into the clarifiers for TP removal.
6. Construction of a UV system rated for 1 mgd of flow.

As part of the upgrade, the applicant has requested that the hydraulic and organic capacities of the STP be downgraded. The requested new ratings are as follows:

1. AAF = 0.460 mgd (currently 0.730 mgd)
2. MMAF = 0.620 mgd (currently 0.950 mgd)
3. MD = 1.280 mgd (no current rating)
4. PH = 1.380 mgd (no current rating)
5. PI = 1.500 mgd (no current rating)
6. MD Organic Loading = 12,930 lbs BOD_5/day (currently 21,400 lbs BOD_5/day)

The existing STP has two facultative lagoons. Under this permit, process wastewater and domestic sewage generated on site is to be discharged into only Lagoon #1. Flows are to withdrawn from Lagoon #1 and sent to Penn Township for additional treatment at a rate not to exceed 450,000 gpd (AAF)/700,000 gpd (MD). In order to comply with their NPDES, it is

Approve	Return	Deny	Signatures	Date
X			Aaron Baar / Planning Section	July 25, 2016
X			Jay E. Patel / Environmental Engineer Manager	7/26/16
✓			Maria D. Bebenek, P.E. / Program Manager	7/26/16

Internal Review and Recommendations

estimated that no more than 10,000 gpd of flow be transferred (on both an AAF and MMAF basis) from Lagoon #1 to Lagoon #2. Non-contact cooling water is also to be discharged into Lagoon #2. Effluent comprised of non-contact cooling water and Lagoon #1 effluent will be discharged from Lagoon#2 into two polishing ponds. Under the proposed design, effluent from the polishing ponds will be disinfected with the proposed UV disinfection system prior to discharge.

It is noted that the plant operator's current practice to discharge process wastewater simultaneously into Lagoon #1 and Lagoon #2. Continuing this practice will result in NPDES violations. It is also noted that the proposed flows and loadings are significantly lower than what the existing STP experiences. Failure to control the hydraulic and organic loadings to permitted levels to the upgraded STP will likewise result in NPDES violations.

Planning for the proposed project is not required.

Approval is recommended.