This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-NEW). Responses to this collection of information are mandatory (Section 308 of the Clean Water Act (Federal Water Pollution Control Act, 33 U.S.C. Section 1318)). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information is estimated to 6 hours per response. Send comments on the Agency’s need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.
NOTE: This questionnaire will be primarily administered as an online questionnaire using Qualtrics. This hardcopy is intended for respondents that do not have access to a high-speed internet connection and as a working file to help Qualtrics respondents compile all information needed to respond. The content of this hardcopy matches the Qualtrics version, but the exact order of question and/or the presentation, format, and spacing of the questions may differ between this hardcopy and Qualtrics.

NOTE: For the purposes of this draft hardcopy, all tables include minimal rows for data entry; these tables are intended simply to show the types of data EPA is requesting. In the final format, online or hardcopy, all tables will include enough additional empty rows appropriate for most respondents.

NOTE: The final hardcopy questionnaire will include confidential business information (CBI) checkboxes for each question, allowing the respondent to indicate if a response contains CBI. This draft hardcopy does not include these CBI checkboxes.

NOTE: Skipped questions and sections will be programmed in Qualtrics and written instructions omitted. As such, respondents will not see the questions or sections that are skipped based on their responses. Instructions on identifying applicable questions are included in this draft to show what will be included in the hardcopy and demonstrate the intended questionnaire flow.

INTRODUCTION, PURPOSE, AND AUTHORITY

The U.S. Environmental Protection Agency (EPA) is conducting a survey of the Meat and Poultry Products (MPP) industry as part of its effort to review and revise, as appropriate, effluent limitations guidelines and standards for this industry (40 CFR Part 423). This questionnaire requests data from sites engaged in MPP operations for human consumption and/or animal food and feeds. EPA will use the data collected in this questionnaire to determine rates and characteristics of wastewater generated by the MPP industry, to develop treatment technology options, and to evaluate incremental costs and benefits associated with different regulatory options.

This questionnaire is being conducted under the authority of Section 308 of the Clean Water Act (Federal Water Pollution Control Act, 33 U.S.C. Section 1318). All facilities that receive this questionnaire must respond within 45 days of receipt of their notification letter. Failure to respond, late filing, or failure to comply with the instructions may result in fines, civil penalties, and other sanctions, as provided by law.

For detailed information on how EPA plans to use these data obtained from each question, see the document titled “Supporting Statement – U.S. Environmental Protection Agency Meat and Poultry Products Industry Data Collection” at EPA Docket ID No. (EPA-HQ-OW-2021-0736).

EPA’s Office of Water will administer the MPP Questionnaires to all facilities engaged in meat
and poultry production. A statistically sampled subset of MPP facilities will receive the Detailed Questionnaire with the remainder of facilities receiving the Census Questionnaire.

Respondents will be required to complete and submit an online version of the questionnaire unless internet access is not available at the facility. Facilities without access to internet should refer to QUESTIONNAIRE ASSISTANCE for contact information for the Helpline.

**Duplicate questionnaires.** If you received multiple notifications to complete questionnaires for the same facility, please contact the Helpline; refer to QUESTIONNAIRE ASSISTANCE for contact information for the Helpline.

**Multiple facilities.** If you did not receive notifications for each of your MPP facilities, determine which of your facilities is missing a request. Refer to QUESTIONNAIRE ASSISTANCE for contact information for the Helpline to receive direction on how to complete multiple questionnaires. *Note that it is your responsibility to contact EPA if any of your facilities that conducts meat and poultry processing did not receive a notification to complete a questionnaire.*

**Incorrectly identified.** If you received a notification and you do not operate an MPP facility or this facility is no longer operating, select the appropriate responses in Section 1 for that questionnaire, then certify and submit your response.

**DATA CONFIDENTIALITY**

**If no business confidentiality claim accompanies the information when it is received by EPA, EPA may make the information available to the public without further notice.**

Regulations governing the confidentiality of business information are contained in 40 CFR Part 2, Subpart B. You may assert a business confidentiality claim covering part or all information you submit, other than effluent data and information or data that is otherwise publicly available, as described in 40 CFR 2.203(b):

“(b) Method and time of asserting business confidentiality claim. A business which is submitting information to EPA may assert a business confidentiality claim covering the information by placing on (or attaching to) the information, at the time it is submitted to EPA, a cover sheet, stamped or typed legend, or other suitable form of notice complying language such as ‘trade secret,’ ‘proprietary,’ or ‘company confidential.’ Allegedly confidential portions of otherwise nonconfidential documents should be clearly identified by the business and may be submitted separately to facilitate identification and handling by EPA. If the business desires confidential treatment only until a certain date or until the occurrence of a certain event, the notice should so state.”

You may claim as confidential all information included in the response to a question by checking the Confidential Business Information (CBI) box next to each question for which responses contain CBI. If you do not check this box, any individual response where "CBI" is **NOT** checked will be considered nonconfidential. Note that you may be required to justify any claim of confidentiality made after questionnaire submission. Note also that plant effluent data are
not eligible for confidential treatment, pursuant to Section 308(b) of the Clean Water Act, and thus will be treated as nonconfidential even if the CBI boxes are checked for those responses.

If you claim any questionnaire response or other data as CBI, you must specify the portion of the response or document for which you assert a claim of confidentiality by reference to page numbers, paragraphs, and lines, or specify entire document.

Information covered by a claim of confidentiality will be disclosed by EPA only to the extent of, and by means of, the procedures set forth in 40 CFR Part 2, Subpart B. In general, submitted information protected by a business confidentiality claim may be disclosed to other employees, officers, or authorized representatives of the United States concerned with implementing the Clean Water Act.

Information covered by a claim of confidentiality will be made available to EPA contractors to enable the contractors to perform the work required by their contracts with EPA. All EPA contracts provide that contractor employees use the information only for the purpose of performing the work required by their contracts and will not disclose any CBI to anyone other than EPA without prior written approval from each affected business or from EPA’s legal office. Any comments you may wish to make on this issue must be submitted in writing along with your completed survey.

**HOW TO NAVIGATE AND COMPLETE THE QUESTIONNAIRE IN QUALTRICS**

EPA created a web-based questionnaire in Qualtrics Survey Software (Qualtrics) to minimize burden. Respondents will be required to submit the completed questionnaire to EPA in Qualtrics. The Qualtrics questionnaire has been developed to meet the 1998 Government Paperwork Elimination Act (GPEA). Each facility required to complete this questionnaire will be notified in a mailed notification letter. In this notification, EPA will include a web address and facility-specific entry code that respondents will use to access their facility’s Qualtrics questionnaire. This facility-specific entry code is a unique facility identifier (ID) for each MPP facility that will be used within this questionnaire and on any supplementary documents (e.g., process flow diagrams, environmental assessment reports, permits) submitted along with responses to the questions.

Use the buttons presented within Qualtrics to navigate the questionnaire. To save your response and continue to the next question, click the “Save and Continue” button. To return to the previous question, click the “Go Back” button. **Never use the back button on your browser (back arrow typically located in the upper right corner of the browser window) as this may incorrectly end your response session and may cause loss of response data.**

To pause your questionnaire in Qualtrics, click the ‘Save and Continue’ button to save your last response and then close your browser window. To resume your questionnaire, return to the Qualtrics login page and enter your Facility ID. Qualtrics will return you to the last point of activity in your questionnaire.

**EPA recommends designating one person as responsible for data entry into Qualtrics with**
others using the working hardcopy to gather needed data and provide it to the data entry person. Collaborative response is possible in Qualtrics but can cause complications for your questionnaire. If multiple people must collaborate on your facility’s questionnaire, share the Facility ID, EPA webpage URL, and these instructions with them. All respondents gain access to a facility’s questionnaire in Qualtrics by using the Facility ID to login. However, do NOT have multiple collaborators work on the questionnaire in Qualtrics at the same time. Simultaneous collaboration can cause response data to be deleted and questions to be unintentionally skipped. Each collaborator must provide their responses when no other collaborators are working on that questionnaire in Qualtrics. If you are presented with the error message, “Your session was outdated, we have updated you to the most recent response,” there is likely another person(s) also in the Qualtrics questionnaire. Please close your browser and coordinate with other collaborators on a timed work schedule or relay system.

Before submitting the questionnaire in Qualtrics, each facility must have the corporate official or designee responsible for directing or supervising the questionnaire response complete the Certification Statement to verify and validate the information provided, or to certify that this site does not engage in MPP processes. After completing the Certification Statement, respondents will be prompted to print a copy of their responses and then click a button to submit their responses. Once the questionnaire is submitted in Qualtrics, the respondent will receive a confirmation email, automatically sent by Qualtrics, confirming that their response has been received and no further action is needed to complete their response requirement.

EPA is not requesting you perform non-routine tests or measurements solely for the purpose of responding to this questionnaire. In the event exact data or information are not available, provide responses using your best professional judgement. Please note the basis for any estimates in the COMMENTS section located at the end of the questionnaire. You may also provide any clarifying notes in the COMMENTS section. For example, you may indicate if information provided for calendar year 2021 is not representative of normal operations.

Key terms are defined in the GLOSSARY and acronyms are described in the ACRONYMS section. Additional information needed to respond to questions throughout the questionnaire are found in the REFERENCES section.

QUESTIONNAIRE ASSISTANCE

If you have any questions about completing this questionnaire, you can request assistance using the e-mail and telephone Helplines provided below.

If your facility lacks internet access or you are unable to submit the questionnaire in Qualtrics, please contact the Helpline to request a hardcopy be mailed to you.
WHEN TO RETURN THE QUESTIONNAIRE

The response to this questionnaire is due 45 days after receiving the notification letter from EPA with instructions for accessing the questionnaire. If you wish to request an extension, you must do so in writing within 10 days of receipt of this questionnaire. Written requests may be e-mailed (preferred) or mailed to:

E-mail address TBD
OR
U.S. Environmental Protection Agency
c/o Eastern Research Group, Inc.
MPP Industry Questionnaire
14555 Avion Pkwy, Suite 200
Chantilly, VA 20151-1102

Extension requests will be evaluated on a case-by-case basis. Submittal of an extension request to EPA does not alter the due date of your questionnaire unless and until EPA agrees to the extension and establishes a new date.

WHERE TO RETURN THE QUESTIONNAIRE

Questionnaires completed within Qualtrics can be submitted directly within the tool. Once all questions responses have been entered, reviewed, and certification statement completed, respondents will be presented with a submit button. Each respondent will receive a confirmation email.

If you request a hardcopy questionnaire from the Helpline: after completing the entire questionnaire and certifying the information that it contains, use the enclosed mailing label to mail the completed questionnaire to:

U.S. Environmental Protection Agency
c/o Eastern Research Group, Inc.
MPP Industry Questionnaire
14555 Avion Parkway, Suite 200
Chantilly, VA 20151-1102
GENERAL INSTRUCTIONS

Unless noted otherwise, EPA requests information for calendar year 2021.

This questionnaire should be completed by personnel most knowledgeable about the operations of the facility. Please read each question carefully and provide the appropriate response(s).

Read all question-specific instructions (throughout the questionnaire). Refer to the ACRONYMS section and GLOSSARY for terms which are used in this questionnaire. Refer to the REFERENCES section for codes and other information required to respond to specific questions. The GLOSSARY, ACRONYMS, and REFERENCES sections can also be downloaded as a PDF from the EPA webpage and within the footer of the questionnaire in Qualtrics.

Complete this questionnaire for your entire facility. A facility is one contiguous physical location at which processing of meat or poultry products occurs. In some instances, a facility may include properties located within separate fence lines but located close to each other.

Enter responses for each question. Fill in the appropriate response(s) to each question. If the space allowed for the answer to any free-response question is inadequate for your complete response, continue the response in the COMMENTS section at the end of the questionnaire, cross-referencing the appropriate section and question number.

Ensure supplemental files prepared for upload to Qualtrics are smaller than 100 MB. Only one file can be uploaded per question. Where multiple files fulfill the request, EPA recommends combining all files into a single PDF and/or creating a folder of the files and zipping or compressing the folder. Contact the Helpline if you require assistance compressing or zipping files together, or if your file is unable to be reduced below 100 MB in size to receive separate instruction on how to submit oversized files.

Answer all questions to which you are directed. The questions applicable to your facility will be determined by answers you provide within the questionnaire. As such, question numbers in Qualtrics may appear out of order or missing due to programmed logic. Directions on skipping questions are included in the hardcopy questionnaire. You are required to use best professional judgement to complete questions when data are not readily available. If you provide an estimate, note the basis for the estimate in the COMMENTS section at the end of the questionnaire. EPA does not intend for facilities to conduct detailed studies to obtain the data. If you feel you need to conduct a detailed study, please call the Helpline noted in the QUESTIONNAIRE ASSISTANCE section.

Enter zero where appropriate; do not leave an entry blank if the answer is zero.

Pay close attention to the measurement units requested. Be careful to provide data in the requested units, where available, or note where alternate units are used.
Retain a copy of the completed questionnaire for your records. EPA recommends those submitting a hardcopy make a copy of your completed questionnaire and attachment files and keep them for two years. Those responding through Qualtrics will be prompted to print a copy of their responses just before submission, and EPA also recommends keeping this copy and supplemental files for two years. EPA will review the information submitted and may request, if necessary, your cooperation in answering follow-up clarification questions to complete the data collection effort. Also, please maintain the sources used to complete your response.

If you have any comments or clarifications on a question, use the COMMENTS section at the end of the questionnaire. Be sure to cross-reference your comments by section and question numbers.

Indicate atypical data in the COMMENTS section at the end of the questionnaire. Year-to-year operations are expected to fluctuate but note in the COMMENTS section if any information is not representative of normal operations and why.

Indicate information which should be treated as confidential by checking the corresponding CBI check boxes with responses containing CBI. Any response where "CBI" is not individually checked will be considered nonconfidential. Refer to the instructions given in the DATA CONFIDENTIALITY section for additional information regarding EPA’s confidentiality procedures set forth in 40 CFR Part 2, Subpart S. While not present in this draft paper copy questionnaire, CBI check boxes will be included in Qualtrics and in the hardcopy questionnaire.
ACRONYMS

BOD<sub>5</sub> 5-Day Biochemical Oxygen Demand
CBI Confidential Business Information
CFR Code of Federal Regulations
COD Chemical Oxygen Demand
CBOD Carbonaceous Biochemical Oxygen Demand
CY Calendar Year
DAF Dissolved Air Flotation
ELWK Equivalent Live Weight Killed
EPA U.S. Environmental Protection Agency
FRS Facility Registry Service
FSIS Food Safety and Inspection Service
FTE Full-Time Equivalent
GPD Gallons per day
LWK Live Weight Killed
MB Megabyte
MPP Meat and Poultry Products
NAICS North American Industry Classification System
NPDES National Pollutant Discharge Elimination System
PFD Process Flow Diagram
POTW Publicly Owned Treatment Works
PrOTW Privately Owned Treatment Works
SBA Small Business Administration
TDS Total Dissolved Solids
TKN Total Kjeldahl Nitrogen
TOC Total Organic Carbon
TSS Total Suspended Solids
USDA United States Department of Agriculture

GLOSSARY

**Batch Discharge:** Discharge only occurs at certain times or during certain times of the year. Also referred to as controlled or intermittent discharge.

**Biological Treatment:** Wastewater treatment intended to degrade and reduce organic matter in wastewater, primarily in the form of soluble organic compounds.

**Blood Processing:** Activities include but are not limited to blood healing through coagulation to the albumin, albumin and fibrin separation (e.g., with a screen or centrifuge), further blood processing, and blood water or serum processing.

**Canned Meat Processor:** An operation which prepares and cans meats (such as stew, sandwich spreads, or similar products) alone or in combination with other finished.
Complex Slaughterhouse: A slaughterhouse that accomplishes extensive byproduct processing, usually at least three such operations as rendering, paunch and viscera handling, blood processing, hide processing, or hair processing.

Continuous Discharge: Discharge occurs non-stop throughout the year or processing day.

Deep-Well Injection: Long-term or permanent disposal of untreated, partially treated, or treated wastewaters by pumping the wastewater into underground formations of suitable character through a bored, drilled, or driven well.

Disinfection: Destruction of pathogenic microorganisms in wastewater, typically achieved through chemical and/or physical treatment.

Dry Rendering: The process of cooking animal byproducts by dry heat in open steam-jacketed tanks.

Effluent Limitations Guidelines and Standards: Regulations promulgated by U.S. EPA under authority of Sections 301, 304, 306, and 307 of the Clean Water Act that set out minimum, national technology-based standards of performance for point source wastewater discharges from specific industrial categories (e.g., iron and steel manufacturing plants). Effluent limitations guidelines and standards regulations are implemented through the NPDES permit and national pretreatment programs and include the following:

- Best Practicable Control Technology Currently Available (BPT)
- Best Available Technology Economically Achievable (BAT)
- Best Conventional Pollutant Control Technology (BCT)
- New Source Performance Standards (NSPS)
- Pretreatment Standards for Existing Sources (PSES)
- Pretreatment Standards for New Sources (PSNS)

The pretreatment standards (PSES, PSNS) are applicable to industrial facilities with process wastewater discharges to publicly owned treatment works (POTWs). The effluent limitations guidelines and new source performance standards (BPT, BAT, BCT, and NSPS) are applicable to industrial facilities with direct discharges of process wastewaters to waters of the United States.

Facility: A facility is generally one contiguous physical location at which manufacturing operations related to the meat and poultry products industry occur. This includes, but is not limited to, slaughtering, processing, and rendering. In some instances, a facility may include properties located within separate fence lines but located close to each other.

Facility Registry Services (FRS): A centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest using a unique identifier (e.g., 110012345678).

Finished Product: The final manufactured product produced onsite, including products intended for consumption with no additional processing as well as products intended for further processing, when applicable.
**First Processing:** Operations which receive live meat animals and produce a raw, dressed meat product, either whole or in parts.

**Further Processing:** Operations that utilize whole carcasses or cut-up meat or poultry products for the production of fresh or frozen products and may include the following types of processing: cutting and deboning, cooking, seasoning, smoking, canning, grinding, chopping, dicing, forming, breading, breaking, trimming, skinning, tenderizing, marinating, curing, pickling, extruding, and/or linking.

**Ground Water:** Water in a saturated zone or stratum beneath the surface of land or water.

**Ham Processor:** An operation which manufactures hams alone or in combination with other finished products.

**Hide Processing:** Wet or dry hide processing. Includes demanuring, washing, and defleshing, followed by curing.

**High-Processing Packinghouse:** A packinghouse which processes both animals slaughtered onsite and additional carcasses from outside sources.

**Live Weight Killed (LWK):** The total weight of the total number of animals slaughtered during the time to which the effluent limitations apply (i.e., during any one day or any period of thirty consecutive days).

**Low-Processing Packinghouse:** A packinghouse that processes no more than the total animals killed at that plant, normally processing less than the total kill.

**Meat and/or poultry products:** Include meat and poultry from cattle, hogs, sheep, chickens, turkeys, ducks and other fowl, as well as sausages, luncheon meats, and cured, smoked or canned or other prepared meat and poultry products from purchased carcasses and other materials intended for human consumption. Meat and poultry products for animal food and feeds include animal oils, meat meal and facilities that render grease and tallow from animal fat, bones, and meat scraps.

**Meat:** Includes all animal products from cattle, calves, hogs, sheep, and lambs, etc., except those defined as Poultry.

**Meat Cutter:** An operation which fabricates, cuts, or otherwise produces fresh meat cuts and related finished products from livestock carcasses.

**Meat Operations/Meat Product Operations:** Includes meat slaughtering operations, byproduct operations, rendering, and further processing.

**National Pollutant Discharge Elimination System (NPDES):** The national program authorized by Sections 307, 318, 402, and 405 of the Clean Water Act for issuing, modifying, revoking and reissuing, terminating, monitoring and enforcing permits, and imposing and enforcing pretreatment requirements under the Clean Water Act. The NPDES permit number is assigned by the respective state or EPA Region and generally includes the state abbreviation in the number.
Nitrogen Removal: The removal of nitrogen, through nitrification and denitrification, from wastewater through either biological or physical/chemical means or a combination thereof.

Noncontact Cooling Water: Water used for cooling in process and non-process applications which does not come into contact with any raw material, intermediate product, byproduct, waste product (including air emissions), or finished product.

North American Industry Classification System (NAICS): The standard used by Federal statistical agencies in classifying business establishments for the purpose of collecting, analyzing, and publishing statistical data related to the U.S. business economy. Each facility is categorized within a NAICS code based on the type of operations conducted at the facility (e.g., NAICS code 311611 is for Animal (except Poultry) Slaughtering).

Nutrient Removal: Wastewater treatment that is engineered or operated to remove the nutrients nitrogen and phosphorus in amounts greater than the basic metabolic needs of the biological treatment system. Nutrient removal may be accomplished through biological or physical/chemical means or a combination thereof.

Packinghouse: A plant that both slaughters animals and subsequently processes carcasses into cured, smoked, canned, or other prepared meat products.

Phosphorus Removal: The removal of phosphorus from wastewater through either biological or chemical means or a combination thereof.

Poultry: Products derived from the slaughter and processing of broilers, other young chickens, mature chickens, hens, turkeys, capons, geese, ducks, small game fowl such as quail or pheasants, and small game such as rabbits.

Poultry Operations: Includes poultry slaughtering operations, byproduct operations, rendering, and further processing.

Primary Treatment: An initial wastewater treatment stage that is intended to remove floating and settleable solids.

Privately Owned Treatment Works (PrOTWs): Any device or system owned and operated by a private entity and used for storage, treatment, recycling, or reclamation of liquid industrial wastes.

Process Wastewater: Any water which, during meat or poultry operations, comes into direct contact with or results from the storage, production, or use of any raw material, intermediate product, finished product, byproduct, or waste product. Wastewater from equipment cleaning, direct-contact air pollution control devices, rinse water, storm water associated with industrial activity, and contaminated cooling water are considered process wastewater. Process wastewater may also include wastewater that is contract hauled for offsite disposal. Sanitary wastewater, uncontaminated noncontact cooling water, and storm water not associated with industrial activity are not considered process wastewater.

Publicly Owned Treatment Works (POTWs): Any device or system owned and operated by a public entity and used in the storage, treatment, recycling, or reclamation of liquid municipal
sewage and/or liquid industrial wastes. The sewerage system that conveys wastewaters to treatment works is considered part of the POTW.

**Raw Material:** The basic input materials to a renderer composed of animal and poultry trimmings, bones, meat scraps, dead animals, feathers, and related usable byproducts.

**Renderer:** An independent or offsite rendering operation, conducted separate from a slaughterhouse, packinghouse, or poultry dressing or processing plant, which manufactures meat meal, tankage, animal fats or oils, grease, and tallow and may cure cattle hides but excludes marine oils, fish meal, and fish oils.

**Rendering:** An operation, which is conducted separate from a slaughterhouse, packinghouse or poultry dressing or processing operation that uses raw material, produces meat meal, tankage, animal fats or oils, grease, and tallow and may cure cattle hides. Excludes marine oils, fish meal, and fish oils.

**Simple Slaughterhouse:** A slaughterhouse which accomplishes very limited byproduct processing, if any, usually no more than two such operations as rendering, paunch and viscera handling, blood processing, hide processing, or hair processing.

**Sausage and Luncheon Meat Processor:** An operation which cuts fresh meats, grinds, mixes, seasons, smokes, or otherwise produces finished products such as sausage, bologna, and luncheon meats.

**Slaughterhouse:** A plant that slaughters animals and has as its main product fresh meat as whole, half, or quarter carcasses or smaller meat cuts.

**Slaughtering:** Operations that kill animals for the purpose of food for human consumption and/or animal food and feeds.

**Small processor:** An operation that produces up to 2,730 kg (6,000 lbs.) per day of any type or combination of finished products.

**Solids (Biosolids) Handling:** Disposal or destruction of biosolids generated during the treatment of wastewater.

**Surface Water:** Waters of the United States as is consistent with the pre-2015 regulatory regime. Refer to the Current Implementation of Waters of the United States for further detail and definition of terms (https://www.epa.gov/wotus/current-implementation-waters-united-states#Pre-2015).

**Total Site Area:** The total area within the legal property boundaries of a facility, this includes occupied and unoccupied land space.

**Ultimate Parent Company:** A business organization that owns more than 50 percent of one or more other domestic businesses and is not a subsidiary to another domestic business organization. Subsidiary business organizations to the ultimate parent can include “headquarters” business organizations. A “headquarters” is a business that has branches or divisions reporting to it. Branches or divisions can also report directly to the Ultimate Parent Company. In this case, the Ultimate Parent Company is also a headquarters organization. The
Ultimate Parent Company typically resides in a different physical location than its subsidiary headquarters or division/branch locations.

**United States Department of Agriculture (USDA) Food Safety and Inspection Service (FSIS):** A federal program that works to protect the public’s health by ensuring the safety of meat, poultry, and processed egg products. Establishments that are part of this program are assigned a unique letter/number combination identification (e.g., M1234).

**Viscera Handling:** Wet or dry viscera handling. Includes removal of partially digested feed and washing of viscera.

**Wastewater Treatment:** The processing of wastewater by physical, chemical, biological, or other means to remove specific pollutants from the wastewater stream or to alter the physical or chemical state of specific pollutants in the wastewater stream. Treatment is performed for discharge of treated wastewater, recycle of treated wastewater to the same process which generated the wastewater, or for reuse of the treated wastewater in another process.

**Wet Rendering:** The process of cooking animal byproducts by steam under pressure in closed tanks.
# Effluent Limitations Guidelines for the Meat and Poultry Products Point Source Category

Effluent Limitations Guidelines for the Meat and Poultry Products Point Source Category are presented at 40 CFR Part 432. Use these subpart definitions to respond to questionnaire questions.

<table>
<thead>
<tr>
<th>40 CFR Part 432</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A. Simple Slaughterhouse</strong> means a slaughterhouse that provides only minimal, if any, processing of the by-products of meat slaughtering. A simple slaughterhouse would include usually no more than two by-product processing operations such as rendering, paunch and viscera handling, or processing of blood, hide or hair.</td>
</tr>
<tr>
<td><strong>B. Complex Slaughterhouse</strong> means a slaughterhouse that provides extensive processing of the by-products of meat slaughtering. A complex slaughterhouse would usually include at least three processing operations such as rendering, paunch and viscera handling, or processing of blood, hide or hair.</td>
</tr>
<tr>
<td><strong>C. Low-Processing Packinghouse</strong> means a packinghouse that processes no more, and usually fewer than, the total number of animals slaughtered at that plant. Packinghouse means a plant that both slaughters animals and subsequently processes carcasses into cured, smoked, canned or other prepared meat products.</td>
</tr>
<tr>
<td><strong>D. High-Processing Packinghouse</strong> means a packinghouse which processes both animals slaughtered at the site and additional carcasses from outside sources. Packinghouse means a plant that both slaughters animals and subsequently processes carcasses into cured, smoked, canned or other prepared meat products.</td>
</tr>
<tr>
<td><strong>E. Small Processors</strong> applies to discharges of process wastewater resulting from the production of finished meat products such as fresh meat cuts, smoked products, canned products, hams, sausages, luncheon meats, or similar products by a small processor. Small processor means an operation that produces no more than 6000 lbs (2730 kg) per day of any type or combination of finished products.</td>
</tr>
<tr>
<td><strong>F. Meat Cutters</strong> applies to discharges of process wastewater resulting from the production of fresh meat cuts, such as steaks, roasts, chops, etc. by a meat cutter. Meat cutter means an operation which cuts or otherwise produces fresh meat cuts and related finished products from larger pieces of meat (carcasses or not carcasses), at rates greater than 6000 lbs (2730 kg) per day.</td>
</tr>
<tr>
<td><strong>G. Sausage and Luncheon Meats Processors</strong> applies to discharges of process wastewater resulting from the production of fresh meat cuts, sausage, bologna and other luncheon meats by a sausage and luncheon meat processor. Sausage and luncheon meat processor means an operation which cuts fresh meats, grinds, mixes, seasons, smokes or otherwise produces finished products such as sausage, bologna and luncheon meats at rates greater than 6000 lbs (2730 kg) per day.</td>
</tr>
<tr>
<td><strong>H. Ham Processors</strong> applies to discharges of process wastewater resulting from the production of hams, alone or in combination with other finished products, by a ham processor. Ham processor means an operation producing hams, alone or in combination with other finished products, at rates greater than 6000 lbs (2730 kg) per day.</td>
</tr>
</tbody>
</table>
I. **Canned Meats Processors** applies to discharges of process wastewater resulting from the production of canned meats, alone or in combination with any other finished products, by a canned meats processor. *Canned meats processor* means an operation which prepares and cans meats (stew, sandwich spreads, or similar products), alone or in combination with other finished products, at rates greater than 6000 lbs (2730 kg) per day.

J. **Renderers** applies to discharges of process wastewater resulting from the production of meat meal, dried animal by-product residues (tankage), animal oils, grease and tallow, and in some cases hide curing, by a renderer. *Renderer* means an independent or off-site rendering operation, which is conducted separate from a slaughterhouse, packinghouse or poultry dressing or processing operation, uses raw material at rates greater than 10 million pounds per year, produces meat meal, tankage, animal fats or oils, grease, and tallow, and may cure cattle hides. Excludes marine oils, fish meal, and fish oils.

K. **Poultry First Processing** applies to discharges of process wastewater resulting from the slaughtering of poultry, further processing of poultry and rendering of material derived from slaughtered poultry. Process wastewater includes water from animal holding areas at these facilities. *Poultry first processing* means slaughtering of poultry and producing whole, halved, quarter or smaller meat cuts.

L. **Poultry Further Processing** applies to discharges of process wastewater resulting from further processing of poultry.

**Common Wastewater Treatment Processes:** List of common wastewater treatment operations at MPP facilities. Keep these common treatment units in mind when responding to questions on wastewater treatment.

**Primary Treatment**
- Screening
- Flow Equalization
- pH Adjustment
- Grease Recovery System
  - Catch Basin
  - Wet Well
  - Sump
- Dissolved Air Flotation (DAF; with or without Chemical Coagulation)
- Electrocoagulation

**Biological Wastewater Treatment Systems**
- Lagoons (Stabilization Ponds)
  - Anaerobic (Facultative)
  - Aerobic (Oxidation)
  - Aerated
• Activated Sludge
  o Conventional
  o Oxidation Ditch
  o Extended Aeration
  o Step Aeration
  o Contact Stabilization
• Trickling Filter
• Rotating Biological Contactors
• Anaerobic Digestion

Nutrient Removal
• Nitrification
• Nitrification/Denitrification
• Ammonia Stripping
• Breakpoint Chlorination
• Chemical Oxidation
• Moving Bed Biofilm Reactor (MBBR)
• Membrane Bioreactor (MBR)
• Bardenpho (e.g., 4-stage, 5-stage)
• Modified activated sludge (e.g., Modified Ludzack-Ettinger (MLE); University of Cape Town (UCT); Sequencing Batch Reactor (SBR); Johannesburg; A2O)

Other Wastewater Treatment
• Air stripping
• Carbon Adsorption
• Clarification
  o Primary
  o Secondary
  o With Chemical Coagulation
• Chemical Precipitation
• Disinfection
  o Chlorine
  o Ozone
  o Ultraviolet Light
• Electrodialysis
• Evaporation
• Filtration
  o Sand
  o Mixed-Media
  o Packed Bed
  o Filter Cloth
• Ion Exchange
• Microscreen/Micro-strainer
• Neutralization
• Reverse Osmosis

Biosolids Handling
• Thickening
  o Gravity thickening
  o Air Flotation
  o Centrifugation
• Stabilization
  o Anaerobic Digestion
  o Aerobic Digestion
  o Heat Treatment
• Dewatering
  o Vacuum Filtration
  o Drying Beds
  o Filter Press
  o Centrifugation
1. Provide the name and physical street address of your facility.

Facility Name

Facility Street Address Line 1

Facility Street Address Line 2 (Optional)

City          State        ZIP Code

2. Provide contact information for the ultimate parent company.

☐  No ultimate parent company.

Ultimate Parent Company Name

Primary Contact Name        Primary Contact Title

Mailing Address Line 1

Mailing Address Line 2 (Optional)

City          State        ZIP Code

Telephone Number        Email address

3. Provide the name, title, telephone number, email address, and office location of a primary and secondary contact at your facility for information supplied in this survey.

Primary Contact Name        Primary Contact Title

Telephone Number        Email address

City          State
Secondary Contact Name | Secondary Contact Title
------------------------|------------------------
Telephone Number        | Email address
City                   | State

4. Did your facility engage in the slaughter, further process, or render of meat and/or poultry products for human consumption and/or animal food and feeds at any time between January 1, 2017 to December 31, 2021?

☐ Yes
☐ No

IF YOU ANSWERED “No” TO THIS QUESTION, PROCEED TO COMMENTS SECTION. DO NOT COMPLETE THE REMAINDER OF THIS QUESTIONNAIRE.

5. Has your facility permanently closed or ceased operation as of January 1, 2021?

☐ Yes
☐ No

IF YOU ANSWERED “Yes” TO THIS QUESTION, PROCEED TO COMMENTS SECTION. DO NOT COMPLETE THE REMAINDER OF THIS QUESTIONNAIRE.

6. In calendar year 2021, what was the average number of FTE employees at your facility. For example, four half-time employees would be listed as two FTE employees. Only directly employed personnel should be counted; contracted workers should not be included.

FTEs:________________________

7. Provide the applicable 12-digit Facility Registry Service (FRS) identification associated with your facility (also known as EPA Registry ID). If you do not know your facility’s FRS number, visit EPA’s FRS Search Website (https://www.epa.gov/frs/frs-query#facility) and search for your facility using your facility’s address and/or name. If your facility does not have an associated FRS ID, select ‘Do not have an FRS ID.’

FRS ID Number:________________________

OR

☐ Facility does not have an FRS ID
8. Provide the establishment alpha-numeric ID assigned to your facility through the United States Department of Agriculture (USDA) Food Safety and Inspection Service (FSIS) grant of inspection. If you do not know your facility’s USDA FSIS establishment number, visit the USDA FSIS website (https://www.fsis.usda.gov/inspection/fsis-inspected-establishments) and search for your facility using your facility’s address and name. If your facility does not have a USDA FSIS establishment number, select ‘Facility does not have an Establishment ID.’

Establishment ID Number: ____________________________

OR

☐ Facility does not have an Establishment ID

9. List all six-digit North American Industry Classification System (NAICS) code(s) applicable to your facility and your ultimate parent company. If you do not know which NAICS code(s) your facility falls under, visit the NAICS website (https://www.census.gov/naics/) and search for the operation(s) that most accurately describes your facility’s operation (NAICS codes starting with 31 through 33 are for manufacturing facilities). If your facility and/or ultimate parent company are associated with more than three NAICS codes, list additional codes in the Comments section.

Facility NAICS Code(s)

☐ Primary NAICS code
Primary NAICS code: ____________________________

☐ Secondary NAICS code
Secondary NAICS code: __________________________

☐ Tertiary NAICS code
Tertiary NAICS code: ____________________________

Ultimate Parent Company NAICS Code(s)

☐ Primary NAICS code
Primary NAICS code: ____________________________

☐ Secondary NAICS code
Secondary NAICS code: __________________________

☐ Tertiary NAICS code
Tertiary NAICS code: ____________________________
10. If your facility is regulated by any existing wastewater discharge requirement(s) (e.g., National Pollutant Discharge Elimination System (NPDES) permit, pretreatment agreement, subsurface injection permit) or local ordinance, provide the identification or permit number(s), the regulating body(ies), and the expiration date(s). Attach a copy of all discharge requirement documents to your response.

☐ Facility does not hold any wastewater permit(s) or local ordinance(s). SKIP to Question 12.

Table 10.1 – Existing Discharge Requirements

<table>
<thead>
<tr>
<th>Identification or Permit Number</th>
<th>Type of Requirement (Select only one)</th>
<th>Regulating Body</th>
<th>Expiration Date</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>☐ General NPDES Permit</td>
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<td></td>
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<tr>
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<td>☐ Individual NPDES Permit</td>
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<td></td>
<td>☐ Pretreatment Agreement/Permit</td>
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<td></td>
<td>☐ Subsurface Injection Permit</td>
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<tr>
<td></td>
<td>☐ Local Ordinance</td>
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<td></td>
<td>☐ Other, specify:</td>
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<td>_____</td>
<td>☐ General NPDES Permit</td>
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<td></td>
<td>☐ Individual NPDES Permit</td>
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<td>☐ Pretreatment Agreement/Permit</td>
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<td>☐ Subsurface Injection Permit</td>
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<td></td>
<td>☐ Local Ordinance</td>
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<td>☐ Other, specify:</td>
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<tr>
<td>_____</td>
<td>☐ General NPDES Permit</td>
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<td>☐ Pretreatment Agreement/Permit</td>
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<td>☐ Local Ordinance</td>
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<td>☐ Other, specify:</td>
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<td>☐ General NPDES Permit</td>
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<td>☐ Local Ordinance</td>
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<td></td>
<td>☐ Other, specify:</td>
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</tbody>
</table>
11. If your facility has an individual NPDES permit, indicate the basis for the limitations established in the permit. Select all that apply.

☐ No individual NPDES permit
☐ Based on technology-based limitations (from 40 CFR 432)

Identify the subcategory(ies) used as the basis for these limitations. Select all that apply.

☐ A – Simple slaughterhouses
☐ B – Complex slaughterhouses
☐ C – Low-processing packinghouses
☐ D – High-processing packinghouses
☐ E – Small processors
☐ F – Meat cutters
☐ G – Sausage and luncheon meats processors
☐ H – Ham processors
☐ I – Canned meats processors
☐ J – Renderers
☐ K – Poultry first processing
☐ L – Poultry further processing

☐ Based on Total maximum daily load (TMDL) established for the facility and waterbody.

Identify the waterbody(ies), pollutant(s), and TMDL(s).

<table>
<thead>
<tr>
<th>Waterbody Name</th>
<th>Pollutant</th>
<th>TMDL</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
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</tbody>
</table>

☐ Based on water quality-based limitations other than a TMDL

☐ Other basis.

Describe the basis for limitations: __________________________________________________________
12. Is your facility planning to close or cease operations by December 31, 2027?
   □ Yes
   □ No

13. Did your facility implement significant changes to production between 2017 and 2021 or is your facility planning to significantly change production in the next five years? If yes, provide a description of the significant change and indicate the timing.
   □ Significant change between 2017 and 2021.
     Describe Change: ___________________________________________________________
     ___________________________________________________________
   □ Significant change in the next 5 years.
     Describe Change: __________________________________________________________
     ___________________________________________________________
   □ No significant changes to production

14. Indicate which subcategory(ies) applies to the operations conducted at your facility. Select all that apply.
   □ A – Simple slaughterhouses
   □ B – Complex slaughterhouses
   □ C – Low-processing packinghouses
   □ D – High-processing packinghouses
   □ E – Small processors
   □ F – Meat cutters
   □ G – Sausage and luncheon meats processors
   □ H – Ham processors
   □ I – Canned meats processors
   □ J – Renderers
   □ K – Poultry first processing
   □ L – Poultry further processing
15. Indicate which of the following meat or poultry operations your facility conducted between January 1, 2017 and December 31, 2021. Select all that apply and provide the amount of LWK for slaughter activities and amount of finished product generated for further processing operations in 2021.

**Poultry Processes**
- ☐ Poultry slaughter.
  
  LWK in 2021: ____________________________

- ☐ Poultry further processing from onsite slaughter. **COMPLETE QUESTION 16**
  
  Pounds finished product in 2021: ____________________________

- ☐ Poultry further processing from offsite slaughter. **COMPLETE QUESTION 16**
  
  Pounds finished product in 2021: ____________________________

**Meat Processes**
- ☐ Meat slaughter. **COMPLETE QUESTION 17**
  
  LWK in 2021: ____________________________

- ☐ Meat further processing from onsite slaughter. **COMPLETE QUESTION 18**
  
  Pounds finished product in 2021: ____________________________

- ☐ Meat further processing from offsite slaughter. **COMPLETE QUESTION 18**
  
  Pounds finished product in 2021: ____________________________

- ☐ Rendered products from onsite slaughter of meat.
  
  Pounds of raw material rendered in 2021: ____________________________

- ☐ Rendered products from offsite slaughter of meat.
  
  Pounds raw material rendered in 2021: ____________________________

**QUESTION 16 SHOULD BE COMPLETED ONLY BY FACILITIES THAT PROCESS POULTRY**

16. Identify the type(s) of further processing of poultry conducted by your facility between January 1, 2017 and December 31, 2021. Select all that apply.

- ☐ Cutting and/or deboning
- ☐ Cooking
- ☐ Seasoning
Smoking ☐
Canning ☐
Grinding ☐
Chopping ☐
Dicing ☐
Forming ☐
Breading ☐
Breaking ☐
Trimming ☐
Skinning ☐
Tenderizing ☐
Marinating ☐
Curing ☐
Pickling ☐
Extruding ☐
Linking ☐

**QUESTION 17 SHOULD BE COMPLETED ONLY BY FACILITIES THAT SLAUGHTER MEAT**

17. Did your facility process any type of meat by-product between January 1, 2017 and December 31, 2021?

☐ No
☐ Yes

Select all by-product further processing operations that apply:

☐ Processing Hides
☐ Processing Blood
☐ Wet or Low-Temp Rendering
☐ Dry Rendering
☐ Processed Hair
☐ Other Processing Operation

Describe other processing operation: ________________________________
18. Identify the type(s) of further processing of meat conducted at your facility between January 1, 2017 and December 31, 2021. Select all that apply.

☐ Cutting and/or deboning
☐ Cooking
☐ Seasoning
☐ Smoking
☐ Canning
☐ Grinding
☐ Chopping
☐ Dicing
☐ Forming
☐ Breading
☐ Breaking
☐ Trimming
☐ Skinning
☐ Tenderizing
☐ Marinating
☐ Curing
☐ Pickling
☐ Extruding
☐ Linking

19. Did your facility generate process wastewater from operations engaging in meat and/or poultry product operations at any point from January 1, 2017 to December 31, 2021?

☐ Yes
☐ No. **SKIP to Question 21.**
20. Does your facility treat MPP process wastewater onsite prior to its final destination? Treatment can include separation (e.g., settling, Dissolved Air Floatation (DAF), or grease traps), filtration (e.g., grit chambers, screening, etc.), or other more advanced treatment processes.

Note: Equilization tanks should be identified here as treatment.

☐ Yes
☐ No

21. How many discharge locations (final outfalls) and other permit monitoring locations are present at your facility? Include discharge locations discharging to surface waters, POTWs, and PrOTWs. Do not include internal outfalls.

Number of locations/outfalls: ________________________________

Number of locations/outfalls that contain MPP process wastewater: __________________
22. Identify the type(s) of wastewaters transferred to each final outfall identified in Question 21. Include the outfall name, location (latitude and longitude in decimal degrees to at least three decimal places), annual flow for calendar year 2021 in GPD, details on the wastewater contributions relative to the total outfall flow for 2021, and discharge destination. Each final outfall should be identified in a separate row in the table. If the immediate receiving water is unknown, provide the name of the closest downstream water (e.g., unnamed tributary of the Snake River). For ‘type of receiving water,’ under Discharge Destination, select one of the following: estuary, Great Lakes, lake/pond/basin, reservoir, river/stream, ocean, bay, other.

<table>
<thead>
<tr>
<th>Outfall Name/Number &amp; Location</th>
<th>Flow Rate in CY 2021 (GPD)</th>
<th>Type(s) of Wastewater &amp; Relative Contributions to the Outfall (Select all that apply)</th>
<th>Discharge Destination (Select only one)</th>
<th>Has mixing zone been applied at the outfall?</th>
<th>Frequency of Discharge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name/Number: _________________</td>
<td>Latitude: _________________</td>
<td>□ Process wastewater (other than stormwater associated with industrial activity)</td>
<td>□ Receiving Water, Type: __________________ Name: __________________</td>
<td>□ Yes □ No</td>
<td>□ Continuous □ Once per shift □ Once per day □ Once per week □ Other, Describe:</td>
</tr>
<tr>
<td>Latitude: _________________</td>
<td>Longitude: _________________</td>
<td>□ Landfill leachate</td>
<td>□ POTW, COMPLETE Question 23</td>
<td>□ Yes □ No</td>
<td>□ Continuous □ Once per shift □ Once per day □ Once per week □ Other, Describe:</td>
</tr>
<tr>
<td>Longitude: _________________</td>
<td>Percentage of total outfall flow: __________</td>
<td>□ Sanitary wastewater</td>
<td>□ PrOTW, COMPLETE Question 23</td>
<td>□ Yes □ No</td>
<td>□ Continuous □ Once per shift □ Once per day □ Once per week □ Other, Describe:</td>
</tr>
<tr>
<td></td>
<td>Percentage of total outfall flow: __________</td>
<td>□ Non-contact cooling water</td>
<td>□ Land applied onsite or offsite</td>
<td>□ Yes □ No</td>
<td>□ Continuous □ Once per shift □ Once per day □ Once per week □ Other, Describe:</td>
</tr>
<tr>
<td></td>
<td>Percentage of total outfall flow: __________</td>
<td>□ Stormwater associated with industrial activity</td>
<td>□ Underground injection onsite or offsite</td>
<td>□ Yes □ No</td>
<td>□ Continuous □ Once per shift □ Once per day □ Once per week □ Other, Describe:</td>
</tr>
<tr>
<td></td>
<td>Percentage of total outfall flow: __________</td>
<td>□ Stormwater not associated with industrial activity</td>
<td>□ Reused</td>
<td>□ Yes □ No</td>
<td>□ Continuous □ Once per shift □ Once per day □ Once per week □ Other, Describe:</td>
</tr>
<tr>
<td></td>
<td>Percentage of total outfall flow: __________</td>
<td>□ Other, Describe:</td>
<td>□ Other, Describe:</td>
<td>□ Yes □ No</td>
<td>□ Continuous □ Once per shift □ Once per day □ Once per week □ Other, Describe:</td>
</tr>
</tbody>
</table>
## Table 22.1 - Wastewater Discharge

<table>
<thead>
<tr>
<th>Outfall Name/Number &amp; Location</th>
<th>Flow Rate in CY 2021 (GPD)</th>
<th>Type(s) of Wastewater &amp; Relative Contributions to the Outfall (Select all that apply)</th>
<th>Discharge Destination (Select only one)</th>
<th>Has mixing zone been applied at the outfall?</th>
<th>Frequency of Discharge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name/Number: _______________</td>
<td>________________________</td>
<td>□ Process wastewater (other than stormwater associated with industrial activity)</td>
<td>□ Receiving Water, Type:_________________ Name:______________________________</td>
<td>□ Yes  □ No</td>
<td>□ Continuous □ Once per shift □ Once per day □ Once per week □ Other, Describe: ____________________________</td>
</tr>
<tr>
<td>Latitude: __________________</td>
<td>________________________</td>
<td>□ Landfill leachate</td>
<td>□ POTW, COMPLETE Question 23</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Longitude: ________________</td>
<td>________________________</td>
<td>□ Sanitary wastewater</td>
<td>□ PrOTW, COMPLETE Question 23</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>□ Non-contact cooling water</td>
<td>□ Land applied onsite or offsite</td>
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<tr>
<td></td>
<td></td>
<td>□ Stormwater associated with industrial activity</td>
<td>□ Underground injection onsite or offsite</td>
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<td></td>
<td></td>
<td>□ Stormwater not associated with industrial activity</td>
<td>□ Reused</td>
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<td>□ Other, Describe:</td>
<td>□ Other, Describe:</td>
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<td>□ Other, Describe:</td>
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<td></td>
<td>Percentage of total outfall flow: __________</td>
<td></td>
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</table>
Table 22.1 - Wastewater Discharge

<table>
<thead>
<tr>
<th>Outfall Name/Number &amp; Location</th>
<th>Flow Rate in CY 2021 (GPD)</th>
<th>Type(s) of Wastewater &amp; Relative Contributions to the Outfall (Select all that apply)</th>
<th>Discharge Destination (Select only one)</th>
<th>Has mixing zone been applied at the outfall?</th>
<th>Frequency of Discharge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name/Number: __________________</td>
<td>________________________</td>
<td>☐ Process wastewater (other than stormwater associated with industrial activity) Percentage of total outfall flow: __________</td>
<td>☐ Receiving Water, Type: ____________________ Name: ____________________ ☐ POTW, COMPLETE Question 23 ☐ PrOTW, COMPLETE Question 23 ☐ Land applied onsite or offsite ☐ Underground injection onsite or offsite ☐ Reused ☐ Other, Describe: ____________________</td>
<td>☐ Yes ☐ No ☐ Continuous ☐ Once per shift ☐ Once per day ☐ Once per week ☐ Other, Describe: ____________________</td>
<td></td>
</tr>
<tr>
<td>Latitude: __________________</td>
<td>________________________</td>
<td>☐ Landfill leachate Percentage of total outfall flow: __________</td>
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<td>☐</td>
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</tr>
<tr>
<td>Longitude: __________________</td>
<td>________________________</td>
<td>☐ Sanitary wastewater Percentage of total outfall flow: __________</td>
<td>☐</td>
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<tr>
<td>______________________________</td>
<td>________________________</td>
<td>☐ Non-contact cooling water Percentage of total outfall flow: __________</td>
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<td>☐</td>
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<tr>
<td>______________________________</td>
<td>________________________</td>
<td>☐ Stormwater associated with industrial activity Percentage of total outfall flow: __________</td>
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<tr>
<td>______________________________</td>
<td>________________________</td>
<td>☐ Stormwater not associated with industrial activity Percentage of total outfall flow: __________</td>
<td>☐</td>
<td>☐</td>
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<td>________________________</td>
<td>☐ Other, Describe: ____________________</td>
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Table 22.1 - Wastewater Discharge

<table>
<thead>
<tr>
<th>Outfall Name/Number &amp; Location</th>
<th>Flow Rate in CY 2021 (GPD)</th>
<th>Type(s) of Wastewater &amp; Relative Contributions to the Outfall (Select all that apply)</th>
<th>Discharge Destination (Select only one)</th>
<th>Has mixing zone been applied at the outfall?</th>
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</thead>
<tbody>
<tr>
<td>Name/Number:</td>
<td></td>
<td>☐ Process wastewater (other than stormwater associated with industrial activity)</td>
<td>☐ Receiving Water, Type:_______________</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Latitude:</td>
<td></td>
<td>Percentage of total outfall flow: __________</td>
<td>Name:_______________________________</td>
<td>☐ Yes</td>
<td>☐ Continuous</td>
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<tr>
<td>Longitude:</td>
<td></td>
<td>☐ Landfill leachate</td>
<td>☐ POTW, COMPLETE Question 23</td>
<td>☐ No</td>
<td>☐ Once per shift</td>
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<td>Percentage of total outfall flow: __________</td>
<td>☐ PrOTW, COMPLETE Question 23</td>
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<td>☐ Once per day</td>
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<td>☐ Land applied onsite or offsite</td>
<td>☐ Once per week</td>
<td>☐ Once per week</td>
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<td>Percentage of total outfall flow: __________</td>
<td>☐ Underground injection onsite or offsite</td>
<td>☐ Other, Describe:</td>
<td>☐ Other, Describe</td>
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<td>☐ Non-contact cooling water</td>
<td>☐ Reused</td>
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<td>Percentage of total outfall flow: __________</td>
<td>☐ Other, Describe:</td>
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<td>☐ Stormwater associated with industrial activity</td>
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<td>Percentage of total outfall flow: __________</td>
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<td>☐ Stormwater not associated with industrial activity</td>
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<td>Percentage of total outfall flow: __________</td>
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<tr>
<td>Outfall Name/Number &amp; Location</td>
<td>Flow Rate in CY 2021 (GPD)</td>
<td>Type(s) of Wastewater &amp; Relative Contributions to the Outfall (Select all that apply)</td>
<td>Discharge Destination (Select only one)</td>
<td>Has mixing zone been applied at the outfall?</td>
<td>Frequency of Discharge</td>
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<td>Name/Number: _________________</td>
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<td>□ Process wastewater (other than stormwater associated with industrial activity) Percentage of total outfall flow: __________</td>
<td>□ Receiving Water, Type:________________________ Name:________________________</td>
<td>□ Yes □ No</td>
<td>□ Continuous □ Once per shift □ Once per day □ Once per week □ Other, Describe: __________________________</td>
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<tr>
<td>Latitude: _________________</td>
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<td>□ Landfill leachate Percentage of total outfall flow: __________</td>
<td>□ POTW, COMPLETE Question 23</td>
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<td>Longitude: _________________</td>
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<td>□ Sanitary wastewater Percentage of total outfall flow: __________</td>
<td>□ PrOTW, COMPLETE Question 23</td>
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<td>□ Non-contact cooling water Percentage of total outfall flow: __________</td>
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<td>□ Reused</td>
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<td>□ Other, Describe: __________________________</td>
<td>□ Other, Describe: __________________________</td>
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<td>Frequency of Discharge</td>
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<td>Name/Number: _________________</td>
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<td>□ Receiving Water, Type:________________________ Name:________________________ □ POTW, COMPLETE Question 23 □ PrOTW, COMPLETE Question 23 □ Land applied onsite or offsite □ Underground injection onsite or offsite □ Reused □ Other, Describe: __________________________</td>
<td>□ Yes □ No</td>
<td>□ Continuous □ Once per shift □ Once per day □ Once per week □ Other, Describe ______________</td>
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<td>Latitude: ____________________</td>
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<td>Longitude: ____________________</td>
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Table 22.1 - Wastewater Discharge
<table>
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<tr>
<th>Outfall Name/Number &amp; Location</th>
<th>Flow Rate in CY 2021 (GPD)</th>
<th>Type(s) of Wastewater &amp; Relative Contributions to the Outfall (Select all that apply)</th>
<th>Discharge Destination (Select only one)</th>
<th>Has mixing zone been applied at the outfall?</th>
<th>Frequency of Discharge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name/Number:</td>
<td></td>
<td>☐ Process wastewater (other than stormwater associated with industrial activity)</td>
<td>☐ Receiving Water, Name:__________________________</td>
<td></td>
<td></td>
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<tr>
<td>Latitude:</td>
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<td>☐ Landfill leachate</td>
<td>☐ POTW, COMPLETE Question 23</td>
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<td></td>
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<tr>
<td>Longitude:</td>
<td></td>
<td>☐ Sanitary wastewater</td>
<td>☐ PrOTW, COMPLETE Question 23</td>
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<td></td>
<td>☐ Non-contact cooling water</td>
<td>☐ Land applied onsite or offsite</td>
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<td></td>
<td></td>
<td>☐ Stormwater associated with industrial activity</td>
<td>☐ Underground injection onsite or offsite</td>
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<td></td>
<td></td>
<td>☐ Stormwater not associated with industrial activity</td>
<td>☐ Reused</td>
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<td>☐ Other, Describe:</td>
<td>☐ Other, Describe:</td>
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<td>☐ Other, Describe:</td>
<td>☐ Other, Describe:</td>
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<td></td>
<td>Percentage of total outfall flow: _________</td>
<td>Percentage of total outfall flow: _________</td>
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<tr>
<td>Has mixing zone been applied at the outfall?</td>
<td>☐ Yes</td>
<td>☐ No</td>
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<td>Frequency of Discharge</td>
<td>☐ Continuous</td>
<td>☐ Once per shift</td>
<td>☐ Once per day</td>
<td>☐ Once per week</td>
<td>☐ Other, Describe</td>
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</table>
Table 22.1 - Wastewater Discharge

<table>
<thead>
<tr>
<th>Outfall Name/Number &amp; Location</th>
<th>Flow Rate in CY 2021 (GPD)</th>
<th>Type(s) of Wastewater &amp; Relative Contributions to the Outfall (Select all that apply)</th>
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<tbody>
<tr>
<td>Name/Number: _________________</td>
<td>_________________________</td>
<td>☐ Process wastewater (other than stormwater associated with industrial activity) Percentage of total outfall flow: __________  ☐ Landfill leachate Percentage of total outfall flow: __________  ☐ Sanitary wastewater Percentage of total outfall flow: __________  ☐ Non-contact cooling water Percentage of total outfall flow: __________  ☐ Stormwater associated with industrial activity Percentage of total outfall flow: __________  ☐ Stormwater not associated with industrial activity Percentage of total outfall flow: __________  ☐ Other, Describe: ____________________________</td>
<td>☐ Receiving Water, Type:________________________ Name:________________________ ☐ POTW, COMPLETE Question 23 ☐ PrOTW, COMPLETE Question 23 ☐ Land applied onsite or offsite ☐ Underground injection onsite or offsite ☐ Reused ☐ Other, Describe: ____________________________</td>
<td>☐ Yes ☐ No</td>
<td>☐ Continuous ☐ Once per shift ☐ Once per day ☐ Once per week ☐ Other, Describe: ____________________________</td>
</tr>
<tr>
<td>Latitude: _________________</td>
<td>_________________________</td>
<td>☐ Yes ☐ No</td>
<td>☐ Continuous ☐ Once per shift ☐ Once per day ☐ Once per week ☐ Other, Describe: ____________________________</td>
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<tr>
<td>Longitude: _______________</td>
<td>_________________________</td>
<td>☐ Yes ☐ No</td>
<td>☐ Continuous ☐ Once per shift ☐ Once per day ☐ Once per week ☐ Other, Describe: ____________________________</td>
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</tbody>
</table>
23. Provide the name, address, telephone number, and name of your contact at the POTW or PrOTW to which your facility discharges. Also, provide the NPDES permit ID number of the permit issued to the POTW or PrOTW, if known. Only complete this question if you indicated your facility discharges to a POTW or PrOTW in Question 22; all others SKIP to Question 24.

Name of POTW or PrOTW

POTW or PrOTW Street Address Line 1

POTW or PrOTW Street Address Line 2 (Optional)

City       State    ZIP Code

POTW or PrOTW Contact Name   Contact Email address

Contact Telephone Number       POTW or PrOTW NPDES Permit number (if applicable)

24. Provide the annual average concentration of each pollutant that is known to be present in your facility’s untreated process wastewater (before any treatment) in calendar 2021. For each pollutant identified below, indicate whether the concentration is measured, estimated, or unknown/not measured.

Table 24.1 - Influent Pollutant Monitoring

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Average Concentration in Untreated Process Wastewater</th>
<th>Units</th>
<th>Type of Measurement (Select One)</th>
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<tbody>
<tr>
<td>Total Nitrogen</td>
<td></td>
<td></td>
<td>☐ Measured</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>☐ Estimated</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>☐ Unknown/Not Monitored</td>
</tr>
<tr>
<td>Total Kjeldahl Nitrogen (TKN)</td>
<td></td>
<td></td>
<td>☐ Measured</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>☐ Estimated</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>☐ Unknown/Not Monitored</td>
</tr>
<tr>
<td>Ammonia (as N)</td>
<td></td>
<td></td>
<td>☐ Measured</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>☐ Estimated</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>☐ Unknown/Not Monitored</td>
</tr>
<tr>
<td>Nitrate-N</td>
<td></td>
<td></td>
<td>☐ Measured</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>☐ Estimated</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>☐ Unknown/Not Monitored</td>
</tr>
<tr>
<td>Pollutant</td>
<td>Average Concentration in Untreated Process Wastewater</td>
<td>Units</td>
<td>Type of Measurement (Select One)</td>
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</tr>
<tr>
<td>Nitrite-N</td>
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<td></td>
<td>☐ Measured</td>
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<td></td>
<td></td>
<td></td>
<td>☐ Estimated</td>
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<td></td>
<td></td>
<td></td>
<td>☐ Unknown/Not Monitored</td>
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<tr>
<td>Total Phosphorus</td>
<td></td>
<td></td>
<td>☐ Measured</td>
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<td></td>
<td></td>
<td></td>
<td>☐ Estimated</td>
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<td></td>
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<td>Phosphate</td>
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<td>Orthophosphate</td>
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<td>5-day Biochemical Oxygen Demand (BOD₅)</td>
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<td>Carbonaceous Biochemical Oxygen Demand (CBOD)</td>
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<td>Total Suspended Solids (TSS)</td>
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<td>Oil and Grease (O&amp;G)</td>
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<td>☐ Unknown/Not Monitored</td>
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**Comments**

*NOTE: The Qualtrics questionnaire will allow facilities to navigate to the Comments section from individual questions, then navigate back from the Comments section to individual questions. The comments section is being shown here, at the end, in this draft hardcopy as an example.*

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<th>Section Number</th>
<th>Question Number</th>
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**STOP**

THE QUESTIONNAIRE IS NOW COMPLETE. REVIEW YOUR RESPONSES, COMPLETE THE CERTIFICATIONSTATEMENT AND PROCEED TO SUBMIT RESPONSES AS INDICATED IN THE INSTRUCTIONS.
CERTIFICATION STATEMENT

The individual responsible for directing or supervising the preparation of the questionnaire must read and sign this Certification Statement. The certifying official must be a responsible corporate official or his/her authorized representative.

Certification Statement

I certify under penalty of law that the submitted questionnaire was prepared under my direction or supervision and that qualified personnel properly gathered and evaluated the information submitted. The information submitted is, to the best of my knowledge and belief, accurate and complete. In those cases, where we did not possess the requested information for questions applicable to our company, we provided best estimates. We have to the best of our ability indicated what we believe to be company confidential business information as defined under 40 CFR Part 2, Subpart B. We understand that we may be required at a later time to justify our claim in detail with respect to each item claimed confidential. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment as explained in Section 308 of the Clean Water Act.

__________________________________________________________  __________________________
Signature of Certifying Official                          Date

__________________________________________________________  __________________________
Printed Name of Certifying Official                      Telephone Number

__________________________________________________________
Title of Certifying Official

__________________________________________________________
Company Name

ONCE COMPLETE, QUALTRICS WILL DIRECT FACILITIES TO SUBMIT A COMPLETED QUESTIONNAIRE.