

SUPPLEMENTAL INFORMATION SHEET FOR RENDERING PLANTS

In addition to the items required on the general application, Form PI-1, several other items are needed to adequately evaluate an application for a rendering facility. These items include, but are not limited to the following:

1. A cover letter giving a brief description of the expansion, replacement, or construction proposal and what action is being requested from the TCEQ (i.e. construction, amendment, revision, renewal). Any previous contact with the TCEQ should be discussed and this letter should indicate where copies of the application are being sent.

2. A complete history of the facility indicating dates and descriptions of original construction, ownership changes, and expansion projects. See Compliance history instructions attached to Form PI-1, General Application.

3.
 - a. List all animal by-product types to be processed at this facility (beef, poultry, 4-D, blood, etc).
 - b. What is the source and age of the raw materials listed in item 3a?
 - c. List all finished products shipped from this facility (ie. bone meal, tallow, etc.).
 - d. What is the maximum hourly processing rate for each item in 3a? Please provide this information in tons per hour.
 - e. What is the maximum daily throughput for each item in 3a? Please provide this information in tons per day.
 - f. What is the maximum annual throughput for each item in 3a? Please provide this information in tons per year.
 - g. How long do meat by-product stay outside the rendering plant building? Please provide both an average and a maximum time in hours.
 - h. Are there any schools within 3000 feet of this operation?
 - i. What is the normal operating season/schedule for this operation?

- j. What is the time required for plant air to be replaced by the scrubber systems? [total volume of process building ÷ scrubber airflow rate (acfm)]. Turnover rate should be greater than 30 changes per hour.
4. If unprocessed materials cannot be brought into the plant, due to equipment failures, etc., please submit a detailed description of the procedure used to accommodate the emergency storage or relocation of the unprocessed rendering materials.
5. Please identify each storage bin, type of product stored in each bin, the individual storage capacity for each bin, and the maximum one time storage capacity for this facility in tons.
6. List all boilers, blood dryers or other fuel fired equipment. Include their individual rated hourly capacity, maximum annual throughput, individual Btu rating and the type of fuel being burned.
7. A block flow diagram of the operation. This should identify each receiving area, loadout area, boilers and/or dryers, animal bi-product processing equipment, control devices, location of odor detection tubes on all air discharge stacks, storage bins and any other pieces of equipment. For expansion projects, the changes or additions should be highlighted and it may prove helpful to show a before and after block flow diagram. Everything on the diagram should be labeled and assigned an I.D. (such as R1 for receiving pit #1 or C1 for centrifuge #1) that can be referred back to in other portions of the application (i.e. process description, plot plan).
8. A plot plan showing the property line, all buildings, receiving and loadout areas, parking lots, traffic pathways, an approximate scale, and a north arrow. In addition, indicate the location utilized to park the receiving trucks while waiting to enter the building. This diagram should provide information concerning the type of road surfaces in this area (concrete, gravel, caliche, etc.), and the housekeeping procedures utilized to control the odors in this area. Is this area frequently washed or cleaned? If so, what chemicals are used? Are the trucks equipped to prevent the dripping of blood or other meat by-products onto the parking area?

9. A written process description of the operation that carries the reader smoothly through the process. Describe how all products are received (truck or rail), conveyed (augers or belt conveyors), processed, stored, and shipped. Identify the rated hourly capacity for each individual stage and what is being accomplished at each stage. This description should identify each potential odor source (outside storage, receiving, etc.) and each point source (blood dryers, boilers, cookers, scrubbers, bag filters, etc.). Your description should also include the flow of odors to the exhaust scrubber systems. This description should include any intermediate devices (ie. venturi scrubber, condenser, dropout points etc.) that assist in the control of odor emissions. Include the I.D.s from the flow diagram and note which items are being proposed for expansion projects.
10. Please submit a detailed description of the chemicals used to maintain the ph levels in all scrubber systems. Your description should include information such as namebrand, chemical type (chlorine gas, sodium hypochlorite, etc.), container size, chemical expiration dates, procedures used to preserve the integrity of the chemical composition, and what form is the chemical received (liquid, gas, dry powder, etc.).
11. Control of Emissions. This discussion should identify potential odor sources and the control devices or methods utilized for controlling/eliminating these sources. Discuss maintaining the building under negative pressure, enclosed receiving areas to accommodate typical raw material trucks, plant scrubber air replacement rates, type of scrubber (packed tower, venturi), use of sniff tubes, paving for controlling road dust, etc.
12. A detailed description of all maintenance and housekeeping procedures employed by the facility for ensuring that nuisance odors will not occur. Discuss inspection/maintenance of control devices, removal of spillage and unacceptable raw products, cleaning of receiving trucks, etc.
13. A detailed discussion of the wastewater treatment and disposal system, including the control of odors from this system. This discussion should include information concerning ponds, DAF units, municipal treatment, etc.

14. Completed scrubber tables (TCEQ Table 13) for each scrubber. At a minimum, these tables should include the point number, name of abatement device, maximum and average flow rates, scrubbing liquid composition and weight percent, and scrubber type.
15. Completed boiler and heater tables (TCEQ Table 6) for each boiler. At a minimum, these tables should include the type of device, type of fuel used, point number from flow diagram, and fuel flow rate.
16. Completed bagfilter tables (TCEQ Table 11) for each bagfilter. (these systems may be located on meal storage silos or blood driers, etc.)
17. An area highway map with the proposed location clearly marked. If needed, provide additional instructions for locating the proposed site by vehicle.
18. A land use map. This map should have a north arrow, an approximate scale, and should identify the property line, major structures on-site and the distance and direction to any residences, schools, businesses or occupied structures within a 3000 foot and 1 mile radius of the proposed location. Any surrounding farmland or ranchland should be identified and any off-site structures owned or operated by the applicant should be identified. The prevailing wind patterns during the operating season should also be identified on the map. If requested, the Austin office of the TCEQ can provide wind rose data for the different areas around the state.
19. The capital cost of the proposed operation or the proposed expansion (Not required for renewal applications). (See TCEQ Table 30).
20. Application Fee. A minimum fee of \$450.00 is required for all construction and amendment applications. This fee is based on the capital cost of the proposed project (See Item 17 above). A minimum fee of \$300.00 is required for all renewal applications. This fee is based on the permitted allowable emission rates negotiated in the renewal process. The application fee should be mailed to the Austin office with the application.

21. A Certificate of Good Standing from the Comptroller's Office for incorporated facilities (Not required for renewals, revisions or amendments). The Comptroller's Office (phone # 1-800-252-1386) can provide a statement of exemption for corporations exempt from paying a franchise tax. Facilities not incorporated should supply a statement identifying their capital structure (i.e. sole proprietorship, partnership, cooperatives etc.).

22. Copies of this supplemental information sheet and any other references should be submitted with the application.

The attached general application and application forms should be completed and mailed with the information requested above to the Austin Office, the appropriate regional office of the TCEQ and to any city or county air programs with jurisdiction over the area of the proposed operation.