

**EMISSIONS ACTIVITY CATEGORY FORM
 SALT PROCESSING OPERATIONS**

This form is to be completed for each salt processing facility. State/Federal regulations which may apply to salt processing facilities are listed in the instructions. Note that there may be other regulations which apply to this emissions unit which are not included in this list.

Note: This emissions activity category (EAC) form does not include roadways and parking areas, storage piles, or material handling operations (e.g., conveying, truck, railcar or vessel unloading) which may also be associated with a salt processing facility. Therefore, additional EAC forms may need to be submitted for these emissions units.

1. Reason this form is being submitted (Check one)

- New Permit Renewal or Modification of Air Permit Number(s) (e.g. F001)_____

2. Maximum Operating Schedule: _____hours per day; _____days per year

If the schedule is less than 24 hours/day or 365 days/year, what limits the schedule to less than maximum? See instructions for examples. _____

3. Identification of fugitive dust emissions units:

<u>Check Those</u> <u>Emissions Units Present</u>	<u>Fugitive Dust</u> <u>Emissions Units</u>	<u>How many?</u>
<input type="checkbox"/>	Weigh hopper loading by front-end loader	_____
<input type="checkbox"/>	Loading truck by conveyor	_____
<input type="checkbox"/>	Loading railcar by conveyor	_____
<input type="checkbox"/>	Loading vessel by conveyor	_____
<input type="checkbox"/>	Loading truck by front-end loaders	_____
<input type="checkbox"/>	Other (describe): _____	_____
	_____	_____

4. Salt processing operations process data for the producer:

a. List primary salt processing equipment _____

b. Are salt preparation operations such as crushing and screening conducted inside buildings with no fugitive dust emitted into the ambient air?
 yes no

c. If no, describe operations and identify any fugitive dust emissions units in item # 3 above

- d. Maximum quantity of salt loaded into weigh hoppers via front-end loader _____ tons/hour
 e. Maximum annual quantity of salt loaded into weigh hoppers via front-end loader _____ tons/year
 f. Maximum quantity of salt loaded into truck or railcar via conveyor _____ tons/hour
 g. Maximum annual quantity of salt loaded into truck or railcar via conveyor _____ tons/year
 h. Maximum equipment design production rate _____ tons/hour
 i. Maximum quantity of salt produced per year _____ tons/year
 J. Is YPS (yellow prussiate of soda) solution used when salt is loaded into weigh hoppers?
 Yes; No
 k. Is YPS solution used when salt is loaded into truck or railcar via conveyor? Yes; No
 l. Is YPS solution used when salt is loaded into vessel via conveyor? Yes; No
 m. Is YPS solution used when salt is forming a storage pile or loaded into a storage pile via conveyor? Yes; No

5. Salt processing operations process data for the purchaser/user:

a. List primary salt processing equipment _____

b. Maximum quantity of salt loaded into truck via front-end loader _____ tons/hour

c. Maximum annual quantity of salt loaded into truck via front-end loader
_____ tons/year

6. Control methods to be used for fugitive dust emissions from salt processing operations:

Emissions Unit	Enclosure, Control Equipment, Control Measures (describe)	Overall Control Eff. (%)	Basis for Overall Control Efficiency
Salt Producer:			
Weigh hopper loading by front- end loader			
Loading truck by conveyor			
Loading railcar by conveyor			
Loading vessel by conveyor			
Loading vessel by front-end loader			
Other (describe):			
Salt Purchaser/User:			
Loading truck by front-end loader			
Other (describe):			

INSTRUCTIONS FOR COMPLETION OF THE EMISSIONS ACTIVITY CATEGORY FORM FOR SALT PROCESSING OPERATIONS

GENERAL INSTRUCTIONS:

Provide complete responses to all applicable questions. If you need assistance in understanding a question after reading the instructions below, contact your Ohio EPA District Office or Local Air Agency for assistance. Submittal of an incomplete application will delay application review and processing. In addition, the application may be returned as incomplete if all applicable questions are not answered appropriately.

APPLICABLE REGULATIONS

The following State and Federal Regulations may be applicable to salt processing facilities. Note that there may be other regulations which apply to this emissions unit which are not included in this list.

Federal: None

State: OAC rule 3745-31-02 (Permit to Install)
OAC rule 3745-35-02 (Permit to Operate)
OAC rule 3745-17-07 (Visible particulate emission limitations)
OAC rule 3745-17-08 (Restriction of emission of fugitive dust)
OAC rule 3745-17-11 (Particulate emission limitations)

If you would like a copy of these regulations, contact your Ohio EPA District Office or Local Air Agency. State regulations may also be viewed and downloaded from the Ohio EPA website at <http://www.epa.state.oh.us/dapc/regs/regs.html>. Federal regulations may be viewed and downloaded at <http://www.epa.gov/docs/epacfr40/chapt-I.info/subch-C.htm>.

CALCULATING EMISSIONS:

Manufacturers of some types of emissions units and most types of control equipment develop emissions estimates or have stack test data which you can request. Stack testing of the emissions may be done. Emissions unit sampling test data may be either for this emissions unit or a similar one located at the facility or elsewhere. You may develop your own emission factors by mass balance or other knowledge of your process, if you can quantify inputs and outputs accurately. You may be able to do this on a small scale or over a short period of time, if it is not practical during regular production. If you have control equipment, you may be able to quantify the amount of pollutants collected over a known time period or production amount. Any emission factor calculation should include a reference to the origin of the emission factor or control efficiency.

SPECIFIC INSTRUCTIONS:

1. Provide the reason this form is being submitted. Is it because a new permit (a Permit to Install (PTI)) is needed? Is it to obtain a renewal of an existing Permit to Operate (PTO)? If it is for a renewal, provide the existing permit number.
2. Provide the maximum number of hours per day and per year the salt processing operation is expected to operate.
3. Identify the fugitive dust emissions unit(s) at the facility by placing a check mark in the appropriate block adjacent to the respective emissions unit type. If there are other fugitive dust emissions units at the facility which were not specifically listed in item # 3 and do not have other EAC forms prepared for them, please identify such units in the section mark "Other (describe)". The "OEPA Emissions Unit ID" column may be left blank if such information is not known.

Paragraph (B)(6) of OAC rule 3745-17-01 defines "fugitive dust" as "...particulate matter which is, or was prior to the installation of control equipment, emitted from any source by means other than a stack." Several emissions units at salt processing facilities emit particulate matter in such fashion, and the requirements of OAC rules 3745-17-07(B) (Visible particulate emission of fugitive dust) and 3745-17-08 (Restriction of emission of fugitive dust) may be applicable.

4. Complete the requested salt processing operations process data in items (A) through (J). Please note that this section is applicable only to salt producers.
5. Complete items (K) through (N) of the salt processing operations process data for the salt purchaser/user.
6. List all of the control measures currently employed for each type of fugitive dust emissions unit identified. Use the control method codes listed in this section for this purpose.

For those control methods listed in item # 6, complete the data requested in the control method code section.