

FOR OHIO EPA USE
FACILITY ID: _____

EU ID: _____ PTI
#:

EMISSIONS ACTIVITY CATEGORY FORM GENERAL PROCESS OPERATION

This form is to be completed for each process operation when there is no specific emissions activity category (EAC) form applicable. If there is more than one end product for this process, copy and complete this form for each additional product (see instructions). Several State/Federal regulations which may apply to process operations 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.

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

New Permit Renewal or Modification of Air Permit Number(s) (e.g. P001) P011-2

2. Maximum Operating Schedule: 24 hours per day; 365 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. End product of this process: Gas oils, vac bottoms

4. Hourly production rates (indicate appropriate units). Please see the instructions for clarification of "Maximum" and "Average" for new versus existing operations:

Hourly	Rate	Units (e.g., widgets)
Average production	2083	Barrels/hr
Maximum production	2500	Barrels/hr

5. Annual production rates (indicate appropriate units) Please see the instructions for clarification of "Maximum" and "Actual" for new versus existing operations:

Annual	Rate	Units (e.g., widgets)
Actual production	18.25	MMbarrels/yr
Maximum production	21.9	MMbarrels/yr

6. Type of operation (please check one):

Continuous

Batch (please complete items below)

Minimum cycle* time (minutes): _____

Minimum time between cycles (minutes): _____

Maximum number of cycles per daily 24 hour period: _____

(Note: include cycle time and set up/clean up time.)

*"Cycle" refers to the time the equipment is in operation.

7. Materials used in process at maximum hourly production rate (add rows/pages as needed):

Material	Physical State at Standard Conditions	Principle Use	Amount**
Crude bottoms	Liquid	Feedstock for Vacuum Tower	2292 barrels per day

** Please indicate the amount **and** rate (e.g., lbs/hr, gallons/hr, lbs/cycle, etc.).

8. Please provide a narrative description of the process below (e.g., coating of metal parts using high VOC content coatings for the manufacture of widgets; emissions controlled by thermal oxidizer...):

The heaviest of the Crude I Unit draws is the Crude Tower Bottoms. This material is pumped to the Vacuum Unit where it is distilled under vacuum to recovery valuable gas oils. The light ends are drawn off the top of the tower by means of a vacuum created by the steam eductors and a series of surface condensers. Oil recovered here is pumped back to the suction of the crude pumps. Further down the tower, reflux and gas oils are drawn from the tower. The heaviest of material called vac bottoms is viscous, tar-like material that is pumped as feed to the Coker Units.

