

**NON-TITLE V PERMIT APPLICATION INSTRUCTIONS
ROCK CRUSHING SOURCE DESCRIPTION FORM (APC 109)**

This form should be completed for all new permit applications and all renewals where source conditions have changed since the previous application. This form should be used for all rock crushing operations instead of the more general Process or Fuel Burning Source Description form (APC 102), and the Emission Point Description form (APC 101).

1. Use the same name as from the Facility Identification form (APC 100). The right-hand portions of the first two lines are intended for APC Division use only.
2. The process Emission Source Number should be the same as entered in Item 9 of the APC 100.
3. The applicant must submit an equipment list and flow diagram. The applicant may use the space provided in Line 3 to list the equipment or attach a separate sheet of paper for the equipment list. The equipment list must include each crusher, screen, conveyor, bin, pugmill, feeder, agricultural lime, etc. The flow diagram must show each piece of equipment labeled with a reference number. Enter the design and actual operating rate (in tons per hours) and manufacture date for each piece of equipment.
4. Indicate, by completing the appropriate spaces, the type of dust control or both plant and access roads. Indicated the approximate miles of paved and unpaved roads. If roads are watered, also indicate the approximate frequency of watering. Indicate only the approximate miles of road in each category that are actually traveled. The unpaved category should include total miles of traveled unpaved roads even if they are watered.
5. Complete the requested information for all material stockpiled. Group all material into two basic categories, over 1 inch and 1 inch and less. The coarse, over 1" data should include all coarse material processed. The fine, 1" to 1/4" data should include all of the material processed in that size range. The fine material should be further subdivided into 1/4" and less type material. A separate category of manufactured sand is provided. Other categories might include block material, agricultural lime etc. Use the comment section, (Item 7) if clarification of any entries is required.
6. Particulate emission estimates for each indicated operation should be based on emission factors from EPA Publication No. AP-42. In certain cases, other estimates or no estimates may be accepted. Average emissions (lbs./hr.) should be representative of the total weight of material emitted to the atmosphere for the entire period of continuous operation or for a typical portion thereof, divided by the number of hours of such period or portion thereof. Maximum emissions (lbs./hr.) should be determined by dividing the highest emissions possible, with control equipment working properly, during any 3 hour period, by 3. Emission estimation method and control device descriptions, along with corresponding codes can be found on the back of the Facility Identification form (APC 100). The codes which most accurately describe the estimation methods and control equipment used, along with the estimated control equipment efficiency should be entered for each operation. Any estimation methods or control devices other than those listed in the tables should be described in the comments (Item 7).