



**14 Day PERP Notification – State
Territorial Waters and Outer
Continental Shelf
Form APCD – 38P**

Santa Barbara County Air Pollution Control District
 PO Box 6447, Santa Barbara, CA 93160-6447
 TEL: (805) 961-8800 FAX: (805) 961-8801
 Email: perp@sbcapcd.org Web Site: www.sbcapcd.org

ENGINE DATA PAGE

Manufacturer	
Model Name	
Maximum Rated Brake Horsepower (bhp)	
PERP Registration Number	
Purpose the Engine Serves	

EMISSIONS TOTALS: Calculate the estimated actual emissions from this engine for the project. This estimate can be based either on the estimated fuel consumed, or the estimated hours of operation during the project. If you estimate emissions based on the total hours of operation the calculation must be based on the engine's maximum rated horsepower. Choose one of the following two methods to calculate emissions:

METHOD 1:

$$EF \frac{\text{grams}}{\text{bhp} - \text{hr}} \times \text{hours} \times \text{total bhp} \times \frac{1 \text{ lb}}{453.6 \text{ grams}} = \text{Total Emissions (lb)}$$

	NO _x	ROC	CO	SO _x	PM	PM ₁₀
EF (g/hp-hr)				0.0055		
Total Hours						
Maximum Rated bhp						
Total Emissions (lb)						

METHOD 2:

$$EF \frac{\text{lb}}{\text{MMBtu}} \times \text{Fuel consumption (gal)} \times \frac{0.137 \text{ MMBtu}}{\text{gal}} = \text{Total Emissions (lb)}$$

	NO _x	ROC	CO	SO _x	PM	PM ₁₀
EF (lb/MMBtu)				0.00154		
Fuel consumption (gal)						
Total Emissions (lb)						

Note: The SO_x emission factor is based on the use of CARB diesel fuel.