

What the North Coast Unified Air Quality Management District (NCUAQMD) should have told you about the planned PG&E power plant

AIR QUALITY Table 17
HBRP, Routine Operation Maximum Impacts in Natural Gas Mode ($\mu\text{g}/\text{m}^3$)

Pollutant	Averaging Time	Modeled Impact	Background	Total Impact	Limiting Standard	Percent of Standard
PM10	24 hour	36.0	72.2	108.2	50	216
	Annual	2.2	21.1	23.3	20	117
PM2.5	24 hour	18.2	35.0	53.2	35	152
	Annual	2.2	8.2	10.4	12	87
CO	1 hour	1,517.8	3,250	4,767.8	23,000	21
	8 hour	646.4	1,978	2,624.4	10,000	26
NO ₂	1 hour *	229.7	75.2	304.9	470	65
	Annual	3.4	17.0	20.4	100	20
SO ₂	1 hour	25.2	114.4	139.6	655	21
	24 hour	4.0	21.0	25.0	105	24
	Annual	0.1	5.8	5.9	80	7

AIR QUALITY Table 18
HBRP, Routine Operation Maximum Impacts in Diesel Mode ($\mu\text{g}/\text{m}^3$)

Pollutant	Averaging Time	Modeled Impact	Background	Total Impact	Limiting Standard	Percent of Standard
PM10	24 hour	65.2	72.2	137.4	50	275
PM2.5	24 hour	32.6	35.0	67.6	35	193
CO	1 hour	658.2	3,250	3,908.2	23,000	17
	8 hour	277.5	1,978	2,255.5	10,000	23
NO ₂	1 hour	338.0	75.2	413.2	470	88
SO ₂	1 hour	13.7	114.4	128.1	655	20
	24 hour	2.2	21.0	23.2	105	22

AIR QUALITY Table 15
HBRP, Maximum Annual Emissions (tons per year)

Source	NOx	ROC	PM10/ PM2.5	CO	SO ₂
Ten Wärtsilä Engines (tpy limit in PDOC)	174.2	188.9	118.7	171.0	4.4
Emergency Fire Pump Engine (tpy)	0.057	0.006	0.002	0.008	<0.01
Emergency Standby Generator (tpy)	0.090	0.010	0.001	0.016	<0.01
Total Maximum Annual Emissions	174.3	188.9	118.7	171.0	4.4

Source: PDOC Condition 61 (NCUAQMD 2007).

<http://www.energy.ca.gov/2007publications/CEC-700-2007-020/CEC-700-2007-020-FSA.PDF>

They could have also told you PG&E will be the first in California to install 10 Soviet ship engines to generate Electricity, instead of the cleaner turbine technology employed by the rest of the state that emits a mere fraction of the pollution. PG&E will save a bunch of money on the cheaper equipment and the Air District will collect higher fees because of all the pollution. God forbid they use solar or wind power because the Air District wouldn't make any money. The project will increase particulate matter (PM) from the current 23.4 tons per year to 118.7 tons or

237,400 pounds per year. The PM includes Ammonia, Arsenic, Lead, Sulfur Dioxide, formaldehyde, and other toxins. It is known to increase asthma rates in children and cause respiratory failure, cancer and premature death. A “fumigation” effect will occur in the area of South Bay Union School for several hours in the morning.

Reactive organic compounds. (ROC) that increase Ozone will increase from the existing 24.5 tons to 188.9 tons per year. Instead of providing the legally required public notice we will just let the people rely on a PG&E press release that claims “90 % Fewer Air Emissions” then the existing plant. The California Energy Commission is poised to approve this plan at a meeting in Sacramento.

If you want to participate by telephone, call toll free 1-888-823-5065 on Wednesday Sept. 24, 2008 after 10:01 a.m. (PDT). When asked, please answer "Business Meeting and Mr. Jerome Lee" and the operator will connect you into the meeting. Its item # 5 and/or send emails to: The CEC docket@energy.state.ca.us the Air District Support@ncuaqmd.org and please send me a copy rob@redwoodrob.com