

Table 12-14: PM<sub>2.5</sub> Significant and Net Emission Increase Calculation (Scenario A)

Unit ID	Description	Mfr	Model	Capacity	Capacity Units	Service	2006-2007 Baseline (tpy)	Permit Emissions (tpy)	Project Emissions Increase (tpy)
<u>New Units</u>									
28	Natural Gas Fired Turbine	Solar	T60-7800S	7,340	hp	Inlet Compression	0.0	5.8	5.8
<u>Existing Units</u>									
6	Natural Gas Fired Engine	Clark	TLA-6	2,000	hp	Inlet / Residue Compression	0.0	3.8	3.8
7	Natural Gas Fired Engine	Clark	TLA-6	2,000	hp	Inlet / Residue Compression	3.4	3.8	0.4
29	Natural Gas Fired Turbine	Solar	T70-10302S	77.6	MMBtu/hr	Inlet Compression	1.8	2.2	0.4
30	Natural Gas Fired Turbine	Solar	T70-9702S	74	MMBtu/hr	Residue Compression	2.0	2.1	0.1
31	Natural Gas Fired Turbine	Solar	T-4700	48.1	MMBtu/hr	Residue Compression	1.0	1.1	0.1
32	Natural Gas Fired Turbine	Solar	T-4000	35.5	MMBtu/hr	Refrigeration Compression	1.0	1.1	0.1
34	Natural Gas Fired Heater	Unknown	Unknown	15	MMBtu/hr	Regeneration	0.5	0.6	0.1
							<b>Total Project Increase:</b>		10.9
							<b>PSD SER:</b>		10.0
							<b>PSD Netting Required?</b>		Yes
<u>Contemporaneous Decreases</u>									
8	Natural Gas Fired Engine	Clark	HBA-6	1,267	hp	Inlet / Residue Compression	5.0	2.5	-2.5
9	Natural Gas Fired Engine	Clark	HBA-6	1,267	hp	Inlet / Residue Compression			
10	Natural Gas Fired Engine	Clark	HBA-6	1,267	hp	Inlet / Residue Compression			
11	Natural Gas Fired Engine	Clark	HBA-6	1,267	hp	Inlet / Residue Compression			
<u>Other</u>									
No prior contemporaneous changes that increased emissions for this pollutant. Except for the changes noted above, the permitted source list and emissions were in effect more than five years prior to the change proposed with this project.									
							<b>Net Emissions Increase:</b>		8.4
							<b>PSD SER:</b>		10.0
							<b>PSD Review Required?</b>		No

Table 12-15: PM<sub>2.5</sub> Significant Emission Increase Calculation (Scenario B)

Unit ID	Description	Mfr	Model	Capacity	Capacity Units	Service	2006-2007 Baseline (tpy)	Permit Emissions (tpy)	Project Emissions Increase (tpy)
<i>New Units</i>									
28	Natural Gas Fired Turbine	Solar	T60-7800S	7,340	hp	Inlet Compression	0.0	5.8	5.8
<i>Existing Units</i>									
6	Natural Gas Fired Engine	Clark	TLA-6	2,000	hp	Inlet / Residue Compression	0.0	2.3	2.3
7	Natural Gas Fired Engine	Clark	TLA-6	2,000	hp	Inlet / Residue Compression	3.4	3.8	0.4
29	Natural Gas Fired Turbine	Solar	T70-10302S	77.6	MMBtu/hr	Inlet Compression	1.8	2.2	0.4
30	Natural Gas Fired Turbine	Solar	T70-9702S	74	MMBtu/hr	Residue Compression	2.0	2.1	0.1
31	Natural Gas Fired Turbine	Solar	T-4700	48.1	MMBtu/hr	Residue Compression	1.0	1.1	0.1
32	Natural Gas Fired Turbine	Solar	T-4000	35.5	MMBtu/hr	Refrigeration Compression	1.0	1.1	0.1
34	Natural Gas Fired Heater	Unknown	Unknown	15	MMBtu/hr	Regeneration	0.5	0.6	0.1
							<b>Total Project Increase:</b>	9.4	
							<b>PSD SER:</b>	10.0	
							<b>PSD Netting Required?</b>	No	