

APPENDIX F2:
SEMINOLE ROAD FAR-FIELD MODELING RESULTS

Appendix F2 – Seminole Road Far-Field Modeling Results

The following is a list of the tables included within this appendix.

Table F2.1.1	Maximum Predicted NO ₂ Impacts at PSD Class I and Sensitive PSD Class II Areas from Proposed Action Sources
Table F2.1.2	Maximum Predicted NO ₂ Impacts at PSD Class I and Sensitive PSD Class II Areas from Non-Electrification Alternative Sources
Table F2.1.3	Maximum Predicted NO ₂ Impacts at PSD Class I and Sensitive PSD Class II Areas from No Action and Regional Sources
Table F2.1.4	Maximum Predicted NO ₂ Impacts at PSD Class I and Sensitive PSD Class II Areas from Proposed Action and Regional Sources
Table F2.1.5	Maximum Predicted NO ₂ Impacts at PSD Class I and Sensitive PSD Class II Areas from Non-Electrification Alternative and Regional Sources
Table F2.2.1	Maximum Predicted SO ₂ Impacts at PSD Class I and Sensitive PSD Class II Areas from Proposed Action Sources
Table F2.2.2	Maximum Predicted SO ₂ Impacts at PSD Class I and Sensitive PSD Class II Areas from Non-Electrification Alternative Sources
Table F2.2.3	Maximum Predicted SO ₂ Impacts at PSD Class I and Sensitive PSD Class II Areas from No Action and Regional Sources
Table F2.2.4	Maximum Predicted SO ₂ Impacts at PSD Class I and Sensitive PSD Class II Areas from Proposed Action and Regional Sources
Table F2.2.5	Maximum Predicted SO ₂ Impacts at PSD Class I and Sensitive PSD Class II Areas from Non-Electrification Scenario and Regional Sources
Table F2.3.1	Maximum Predicted PM ₁₀ Impacts at PSD Class I and Sensitive PSD Class II Areas from Proposed Action Sources
Table F2.3.2	Maximum Predicted PM ₁₀ Impacts at PSD Class I and Sensitive PSD Class II Areas from Non-Electrification Alternative Sources
Table F2.3.3	Maximum Predicted PM ₁₀ Impacts at PSD Class I and Sensitive PSD Class II Areas from No Action and Regional Sources
Table F2.3.4	Maximum Predicted PM ₁₀ Impacts at PSD Class I and Sensitive PSD Class II Areas from Proposed Action and Regional Sources
Table F2.3.5	Maximum Predicted PM ₁₀ Impacts at PSD Class I and Sensitive PSD Class II Areas from Non-Electrification Alternative and Regional Sources
Table F2.4.1	Maximum Predicted PM _{2.5} Impacts at PSD Class I and Sensitive PSD Class II Areas from Proposed Action Sources
Table F2.4.2	Maximum Predicted PM _{2.5} Impacts at PSD Class I and Sensitive PSD Class II Areas from Non-Electrification Alternative Sources
Table F2.4.3	Maximum Predicted PM _{2.5} Impacts at PSD Class I and Sensitive PSD Class II Areas from No Action and Regional Sources
Table F2.4.4	Maximum Predicted PM _{2.5} Impacts at PSD Class I and Sensitive PSD Class II Areas from Proposed Action and Regional Sources
Table F2.4.5	Maximum Predicted PM _{2.5} Impacts at PSD Class I and Sensitive PSD Class II Areas from Non-Electrification Alternative and Regional Sources
Table F2.5.1	Maximum Predicted Impacts Within the SRPA from Proposed Action Sources

Table F2.5.2	Maximum Predicted Pollutant Impacts within the SRPA from Non-Electrification Alternative Sources
Table F2.5.3	Maximum Predicted Pollutant Impacts within the SRPA from No Action and Regional Sources
Table F2.5.4	Maximum Predicted Pollutant Impacts within the SRPA from Proposed Action and Regional Sources
Table F2.5.5	Maximum Predicted Pollutant Impacts within the SRPA from Non-Electrification Alternative and Regional Sources
Table F2.6.1	Maximum Predicted Nitrogen Deposition Impacts (kg/ha-yr) at PSD Class I and Sensitive PSD Class II Areas
Table F2.6.2	Maximum Predicted Sulfur Deposition Impacts (kg/ha-yr) at PSD Class I and Sensitive PSD Class II Areas
Table F2.7.1	Maximum Predicted Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Proposed Action Sources
Table F2.7.2	Maximum Predicted Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Non-Electrification Alternative Sources
Table F2.7.3	Maximum Predicted Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from No Action and Regional Sources
Table F2.7.4	Maximum Predicted Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Proposed Action and Regional Sources
Table F2.7.5	Maximum Predicted Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Non-Electrification Scenario and Regional Sources
Table F2.8.1	Maximum Predicted Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Proposed Action Sources
Table F2.8.2	Maximum Predicted Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Non-Electrification Alternative Sources
Table F2.8.3	Maximum Predicted Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from No Action and Regional Sources
Table F2.8.4	Maximum Predicted Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Proposed Action and Regional Sources
Table F2.8.5	Maximum Predicted Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Non-Electrification Alternative and Regional Sources
Table F2.8.6	Analysis of Cumulative Visibility Impacts of 1.0 Ddv and Greater - Seminoe Road Project

Table F2.1.1 Maximum Predicted NO₂ Impacts at PSD Class I and Sensitive PSD Class II Areas from Proposed Action Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (ug/m ³)	Significance Level (ug/m ³)	PSD Increment (ug/m ³)	Background Concentration (ug/m ³)	Total Concentration (ug/m ³)	NAAQS (ug/m ³)	WAAQS (ug/m ³)	CAAQS (ug/m ³)
NO ₂	Annual	Bridger WA	0.0000	0.10 ¹	2.50	3.40	3.40	100	100	--
		Dinosaur NM	0.0002	1.00	25.00	3.40	3.40	100	--	100
		Fitzpatrick WA	0.0000	0.10 ¹	2.50	3.40	3.40	100	100	--
		Popo Agie WA	0.0000	1.00	25.00	3.40	3.40	100	100	--
		Rawah WA	0.0002	0.10 ¹	2.50	3.40	3.40	100	--	100
		Rocky Mountain NP	0.0001	0.10 ¹	2.50	3.40	3.40	100	--	100
		Savage Run WA	0.0007	0.10 ¹	2.50	3.40	3.40	100	100	--
		Wind River RA	0.0002	1.00	25.00	3.40	3.40	100	100	--
		Mt. Zirkel WA	0.0002	0.10 ¹	2.50	3.40	3.40	100	--	100

¹ Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table F2.1.2 Maximum Predicted NO₂ Impacts at PSD Class I and Sensitive PSD Class II Areas from Non-Electrification Alternative Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (ug/m ³)	Significance Level (ug/m ³)	PSD Increment (ug/m ³)	Background Concentration (ug/m ³)	Total Concentration (ug/m ³)	NAAQS (ug/m ³)	WAAQS (ug/m ³)	CAAQS (ug/m ³)
NO ₂	Annual	Bridger WA	0.0001	0.10 ¹	2.50	3.40	3.40	100	100	--
		Dinosaur NM	0.0007	1.00	25.00	3.40	3.40	100	--	100
		Fitzpatrick WA	0.0000	0.10 ¹	2.50	3.40	3.40	100	100	--
		Popo Agie WA	0.0001	1.00	25.00	3.40	3.40	100	100	--
		Rawah WA	0.0007	0.10 ¹	2.50	3.40	3.40	100	--	100
		Rocky Mountain NP	0.0003	0.10 ¹	2.50	3.40	3.40	100	--	100
		Savage Run WA	0.0022	0.10 ¹	2.50	3.40	3.40	100	100	--
		Wind River RA	0.0006	1.00	25.00	3.40	3.40	100	100	--
		Mt. Zirkel WA	0.0006	0.10 ¹	2.50	3.40	3.40	100	--	100

¹ Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table F2.1.3 Maximum Predicted NO₂ Impacts at PSD Class I and Sensitive PSD Class II Areas from No Action and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (ug/m ³)	Significance Level (ug/m ³)	PSD Increment (ug/m ³)	Background Concentration (ug/m ³)	Total Concentration (ug/m ³)	NAAQS (ug/m ³)	WAAQS (ug/m ³)	CAAQS (ug/m ³)
NO ₂	Annual	Bridger WA	0.0936	0.10 ¹	2.50	3.40	3.49	100	100	--
		Dinosaur NM	0.0175	1.00	25.00	3.40	3.42	100	--	100
		Fitzpatrick WA	0.0145	0.10 ¹	2.50	3.40	3.41	100	100	--
		Popo Agie WA	0.0393	1.00	25.00	3.40	3.44	100	100	--
		Rawah WA	0.0044	0.10 ¹	2.50	3.40	3.40	100	--	100
		Rocky Mountain NP	0.0018	0.10 ¹	2.50	3.40	3.40	100	--	100
		Savage Run WA	0.0130	0.10 ¹	2.50	3.40	3.41	100	100	--
		Wind River RA	0.0346	1.00	25.00	3.40	3.43	100	100	--
		Mt. Zirkel WA	0.0108	0.10 ¹	2.50	3.40	3.41	100	--	100

¹ Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table F2.1.4 Maximum Predicted NO₂ Impacts at PSD Class I and Sensitive PSD Class II Areas from Proposed Action and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (ug/m ³)	Significance Level (ug/m ³)	PSD Increment (ug/m ³)	Background Concentration (ug/m ³)	Total Concentration (ug/m ³)	NAAQS (ug/m ³)	WAAQS (ug/m ³)	CAAQS (ug/m ³)
NO ₂	Annual	Bridger WA	0.0936	0.10 ¹	2.50	3.40	3.49	100	100	--
		Dinosaur NM	0.0177	1.00	25.00	3.40	3.42	100	--	100
		Fitzpatrick WA	0.0145	0.10 ¹	2.50	3.40	3.41	100	100	--
		Popo Agie WA	0.0393	1.00	25.00	3.40	3.44	100	100	--
		Rawah WA	0.0046	0.10 ¹	2.50	3.40	3.40	100	--	100
		Rocky Mountain NP	0.0019	0.10 ¹	2.50	3.40	3.40	100	--	100
		Savage Run WA	0.0137	0.10 ¹	2.50	3.40	3.41	100	100	--
		Wind River RA	0.0346	1.00	25.00	3.40	3.43	100	100	--
Mt. Zirkel WA	0.0109	0.10 ¹	2.50	3.40	3.41	100	--	100		

¹ Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table F2.1.5 Maximum Predicted NO₂ Impacts at PSD Class I and Sensitive PSD Class II Areas from Non-Electrification Alternative and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (ug/m ³)	Significance Level (ug/m ³)	PSD Increment (ug/m ³)	Background Concentration (ug/m ³)	Total Concentration (ug/m ³)	NAAQS (ug/m ³)	WAAQS (ug/m ³)	CAAQS (ug/m ³)
NO ₂	Annual	Bridger WA	0.0936	0.10 ¹	2.50	3.40	3.49	100	100	--
		Dinosaur NM	0.0181	1.00	25.00	3.40	3.42	100	--	100
		Fitzpatrick WA	0.0145	0.10 ¹	2.50	3.40	3.41	100	100	--
		Popo Agie WA	0.0393	1.00	25.00	3.40	3.44	100	100	--
		Rawah WA	0.0051	0.10 ¹	2.50	3.40	3.41	100	--	100
		Rocky Mountain NP	0.0022	0.10 ¹	2.50	3.40	3.40	100	--	100
		Savage Run WA	0.0152	0.10 ¹	2.50	3.40	3.42	100	100	--
		Wind River RA	0.0346	1.00	25.00	3.40	3.43	100	100	--
		Mt. Zirkel WA	0.0113	0.10 ¹	2.50	3.40	3.41	100	--	100

¹ Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table F2.2.1 Maximum Predicted SO₂ Impacts at PSD Class I and Sensitive PSD Class II Areas from Proposed Action Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled	Significance	PSD	Background	Total	NAAQS	WAAQS	CAAQS
			Impact (ug/m ³)	Level (ug/m ³)	Increment (ug/m ³)	Concentration (ug/m ³)	Concentration (ug/m ³)	(ug/m ³)	(ug/m ³)	(ug/m ³)
SO ₂	Annual	Bridger WA	0.0000	0.10 ¹	2.00	9.00	9.00	1,300	1,300	--
		Dinosaur NM	0.0000	1.00	20.00	9.00	9.00	1,300	--	700
		Fitzpatrick WA	0.0000	0.10 ¹	2.00	9.00	9.00	1,300	1,300	--
		Popo Agie WA	0.0000	1.00	20.00	9.00	9.00	1,300	1,300	--
		Rawah WA	0.0001	0.10 ¹	2.00	9.00	9.00	1,300	--	700
		Rocky Mountain NP	0.0000	0.10 ¹	2.00	9.00	9.00	1,300	--	700
		Savage Run WA	0.0001	0.10 ¹	2.00	9.00	9.00	1,300	1,300	--
		Wind River RA	0.0000	1.00	20.00	9.00	9.00	1,300	1,300	--
		Mt. Zirkel WA	0.0000	0.10 ¹	2.00	9.00	9.00	1,300	--	700
SO ₂	24-hr	Bridger WA	0.0008	0.20 ¹	5.00	43.00	43.00	365	260	--
		Dinosaur NM	0.0022	5.00	91.00	43.00	43.00	365	--	100
		Fitzpatrick WA	0.0004	0.20 ¹	5.00	43.00	43.00	365	260	--
		Popo Agie WA	0.0011	5.00	91.00	43.00	43.00	365	260	--
		Rawah WA	0.0016	0.20 ¹	5.00	43.00	43.00	365	--	100
		Rocky Mountain NP	0.0011	0.20 ¹	5.00	43.00	43.00	365	--	100
		Savage Run WA	0.0040	0.20 ¹	5.00	43.00	43.00	365	260	--
		Wind River RA	0.0015	5.00	91.00	43.00	43.00	365	260	--
		Mt. Zirkel WA	0.0020	0.20 ¹	5.00	43.00	43.00	--	--	100
SO ₂	3-hr	Bridger WA	0.0022	1.00 ¹	25.00	132.00	132.00	80	60	--
		Dinosaur NM	0.0047	25.00	512.00	132.00	132.00	80	--	15
		Fitzpatrick WA	0.0010	1.00 ¹	25.00	132.00	132.00	80	60	--
		Popo Agie WA	0.0032	25.00	512.00	132.00	132.00	80	60	--
		Rawah WA	0.0050	1.00 ¹	25.00	132.00	132.01	80	--	15
		Rocky Mountain NP	0.0032	1.00 ¹	25.00	132.00	132.00	80	--	15
		Savage Run WA	0.0100	1.00 ¹	25.00	132.00	132.01	80	60	--
		Wind River RA	0.0047	25.00	512.00	132.00	132.00	80	60	--
		Mt. Zirkel WA	0.0044	1.00 ¹	25.00	132.00	132.00	80	--	15

¹ Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table F2.2.2 Maximum Predicted SO₂ Impacts at PSD Class I and Sensitive PSD Class II Areas from Non-Electrification Alternative Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled	Significance	PSD	Background	Total	NAAQS	WAAQS	CAAQS
			Impact	Level	Increment	Concentration	Concentration			
			(ug/m ³)	(ug/m ³)	(ug/m ³)	(ug/m ³)	(ug/m ³)	(ug/m ³)	(ug/m ³)	(ug/m ³)
SO ₂	Annual	Bridger WA	0.0000	0.10 ¹	2.00	9.00	9.00	1,300	1,300	--
		Dinosaur NM	0.0000	1.00	20.00	9.00	9.00	1,300	--	700
		Fitzpatrick WA	0.0000	0.10 ¹	2.00	9.00	9.00	1,300	1,300	--
		Popo Agie WA	0.0000	1.00	20.00	9.00	9.00	1,300	1,300	--
		Rawah WA	0.0001	0.10 ¹	2.00	9.00	9.00	1,300	--	700
		Rocky Mountain NP	0.0000	0.10 ¹	2.00	9.00	9.00	1,300	--	700
		Savage Run WA	0.0001	0.10 ¹	2.00	9.00	9.00	1,300	1,300	--
		Wind River RA	0.0000	1.00	20.00	9.00	9.00	1,300	1,300	--
		Mt. Zirkel WA	0.0000	0.10 ¹	2.00	9.00	9.00	1,300	--	700
SO ₂	24-hr	Bridger WA	0.0008	0.20 ¹	5.00	43.00	43.00	365	260	--
		Dinosaur NM	0.0022	5.00	91.00	43.00	43.00	365	--	100
		Fitzpatrick WA	0.0004	0.20 ¹	5.00	43.00	43.00	365	260	--
		Popo Agie WA	0.0011	5.00	91.00	43.00	43.00	365	260	--
		Rawah WA	0.0016	0.20 ¹	5.00	43.00	43.00	365	--	100
		Rocky Mountain NP	0.0011	0.20 ¹	5.00	43.00	43.00	365	--	100
		Savage Run WA	0.0040	0.20 ¹	5.00	43.00	43.00	365	260	--
		Wind River RA	0.0015	5.00	91.00	43.00	43.00	365	260	--
		Mt. Zirkel WA	0.0020	0.20 ¹	5.00	43.00	43.00	--	--	100
SO ₂	3-hr	Bridger WA	0.0022	1.00 ¹	25.00	132.00	132.00	80	60	--
		Dinosaur NM	0.0047	25.00	512.00	132.00	132.00	80	--	15
		Fitzpatrick WA	0.0010	1.00 ¹	25.00	132.00	132.00	80	60	--
		Popo Agie WA	0.0032	25.00	512.00	132.00	132.00	80	60	--
		Rawah WA	0.0050	1.00 ¹	25.00	132.00	132.01	80	--	15
		Rocky Mountain NP	0.0032	1.00 ¹	25.00	132.00	132.00	80	--	15
		Savage Run WA	0.0100	1.00 ¹	25.00	132.00	132.01	80	60	--
		Wind River RA	0.0047	25.00	512.00	132.00	132.00	80	60	--
		Mt. Zirkel WA	0.0044	1.00 ¹	25.00	132.00	132.00	80	--	15

¹ Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table F2.2.3 Maximum Predicted SO₂ Impacts at PSD Class I and Sensitive PSD Class II Areas from No Action and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled	Significance	PSD	Background	Total	NAAQS	WAAQS	CAAQS
			Impact (ug/m ³)	Level (ug/m ³)	Increment (ug/m ³)	Concentration (ug/m ³)	Concentration (ug/m ³)	(ug/m ³)	(ug/m ³)	(ug/m ³)
SO ₂	Annual	Bridger WA	(0.0016)	0.10 ¹	2.00	9.00	9.00	1,300	1,300	--
		Dinosaur NM	(0.0016)	1.00	20.00	9.00	9.00	1,300	--	700
		Fitzpatrick WA	(0.0014)	0.10 ¹	2.00	9.00	9.00	1,300	1,300	--
		Popo Agie WA	(0.0030)	1.00	20.00	9.00	9.00	1,300	1,300	--
		Rawah WA	(0.0012)	0.10 ¹	2.00	9.00	9.00	1,300	--	700
		Rocky Mountain NP	(0.0006)	0.10 ¹	2.00	9.00	9.00	1,300	--	700
		Savage Run WA	(0.0020)	0.10 ¹	2.00	9.00	9.00	1,300	1,300	--
		Wind River RA	(0.0015)	1.00	20.00	9.00	9.00	1,300	1,300	--
		Mt. Zirkel WA	(0.0016)	0.10 ¹	2.00	9.00	9.00	1,300	--	700
SO ₂	24-hr	Bridger WA	0.0522	0.20 ¹	5.00	43.00	43.05	365	260	--
		Dinosaur NM	0.0149	5.00	91.00	43.00	43.01	365	--	100
		Fitzpatrick WA	0.0045	0.20 ¹	5.00	43.00	43.00	365	260	--
		Popo Agie WA	0.0071	5.00	91.00	43.00	43.01	365	260	--
		Rawah WA	0.0036	0.20 ¹	5.00	43.00	43.00	365	--	100
		Rocky Mountain NP	0.0014	0.20 ¹	5.00	43.00	43.00	365	--	100
		Savage Run WA	0.0067	0.20 ¹	5.00	43.00	43.01	365	260	--
		Wind River RA	0.0089	5.00	91.00	43.00	43.01	365	260	--
		Mt. Zirkel WA	0.0038	0.20 ¹	5.00	43.00	43.00	--	100	
SO ₂	3-hr	Bridger WA	0.2618	1.00 ¹	25.00	132.00	132.26	80	60	--
		Dinosaur NM	0.0386	25.00	512.00	132.00	132.04	80	--	15
		Fitzpatrick WA	0.0182	1.00 ¹	25.00	132.00	132.02	80	60	--
		Popo Agie WA	0.0229	25.00	512.00	132.00	132.02	80	60	--
		Rawah WA	0.0084	1.00 ¹	25.00	132.00	132.01	80	--	15
		Rocky Mountain NP	0.0059	1.00 ¹	25.00	132.00	132.01	80	--	15
		Savage Run WA	0.0222	1.00 ¹	25.00	132.00	132.02	80	60	--
		Wind River RA	0.0742	25.00	512.00	132.00	132.07	80	60	--
		Mt. Zirkel WA	0.0129	1.00 ¹	25.00	132.00	132.01	80	--	15

¹ Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table F2.2.4 Maximum Predicted SO₂ Impacts at PSD Class I and Sensitive PSD Class II Areas from Proposed Action and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled	Significance	PSD	Background	Total	NAAQS	WAAQS	CAAQS
			Impact (ug/m ³)	Level (ug/m ³)	Increment (ug/m ³)	Concentration (ug/m ³)	Concentration (ug/m ³)	(ug/m ³)	(ug/m ³)	(ug/m ³)
SO ₂	Annual	Bridger WA	(0.0015)	0.10 ¹	2.00	9.00	9.00	1,300	1,300	--
		Dinosaur NM	(0.0016)	1.00	20.00	9.00	9.00	1,300	--	700
		Fitzpatrick WA	(0.0014)	0.10 ¹	2.00	9.00	9.00	1,300	1,300	--
		Popo Agie WA	(0.0030)	1.00	20.00	9.00	9.00	1,300	1,300	--
		Rawah WA	(0.0012)	0.10 ¹	2.00	9.00	9.00	1,300	--	700
		Rocky Mountain NP	(0.0006)	0.10 ¹	2.00	9.00	9.00	1,300	--	700
		Savage Run WA	(0.0019)	0.10 ¹	2.00	9.00	9.00	1,300	1,300	--
		Wind River RA	(0.0015)	1.00	20.00	9.00	9.00	1,300	1,300	--
		Mt. Zirkel WA	(0.0016)	0.10 ¹	2.00	9.00	9.00	1,300	--	700
SO ₂	24-hr	Bridger WA	0.0522	0.20 ¹	5.00	43.00	43.05	365	260	--
		Dinosaur NM	0.0149	5.00	91.00	43.00	43.01	365	--	100
		Fitzpatrick WA	0.0045	0.20 ¹	5.00	43.00	43.00	365	260	--
		Popo Agie WA	0.0071	5.00	91.00	43.00	43.01	365	260	--
		Rawah WA	0.0036	0.20 ¹	5.00	43.00	43.00	365	--	100
		Rocky Mountain NP	0.0016	0.20 ¹	5.00	43.00	43.00	365	--	100
		Savage Run WA	0.0067	0.20 ¹	5.00	43.00	43.01	365	260	--
		Wind River RA	0.0089	5.00	91.00	43.00	43.01	365	260	--
		Mt. Zirkel WA	0.0038	0.20 ¹	5.00	43.00	43.00	--	100	
SO ₂	3-hr	Bridger WA	0.2618	1.00 ¹	25.00	132.00	132.26	80	60	--
		Dinosaur NM	0.0386	25.00	512.00	132.00	132.04	80	--	15
		Fitzpatrick WA	0.0182	1.00 ¹	25.00	132.00	132.02	80	60	--
		Popo Agie WA	0.0229	25.00	512.00	132.00	132.02	80	60	--
		Rawah WA	0.0089	1.00 ¹	25.00	132.00	132.01	80	--	15
		Rocky Mountain NP	0.0060	1.00 ¹	25.00	132.00	132.01	80	--	15
		Savage Run WA	0.0222	1.00 ¹	25.00	132.00	132.02	80	60	--
		Wind River RA	0.0742	25.00	512.00	132.00	132.07	80	60	--
		Mt. Zirkel WA	0.0129	1.00 ¹	25.00	132.00	132.01	80	--	15

¹ Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table F2.2.5 Maximum Predicted SO₂ Impacts at PSD Class I and Sensitive PSD Class II Areas from Non-Electrification Scenario and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled	Significance	PSD	Background	Total	NAAQS	WAAQS	CAAQS
			Impact (ug/m ³)	Level (ug/m ³)	Increment (ug/m ³)	Concentration (ug/m ³)	Concentration (ug/m ³)	(ug/m ³)	(ug/m ³)	(ug/m ³)
SO ₂	Annual	Bridger WA	(0.0015)	0.10 ¹	2.00	9.00	9.00	1,300	1,300	--
		Dinosaur NM	(0.0016)	1.00	20.00	9.00	9.00	1,300	--	700
		Fitzpatrick WA	(0.0014)	0.10 ¹	2.00	9.00	9.00	1,300	1,300	--
		Popo Agie WA	(0.0030)	1.00	20.00	9.00	9.00	1,300	1,300	--
		Rawah WA	(0.0012)	0.10 ¹	2.00	9.00	9.00	1,300	--	700
		Rocky Mountain NP	(0.0006)	0.10 ¹	2.00	9.00	9.00	1,300	--	700
		Savage Run WA	(0.0019)	0.10 ¹	2.00	9.00	9.00	1,300	1,300	--
		Wind River RA	(0.0015)	1.00	20.00	9.00	9.00	1,300	1,300	--
		Mt. Zirkel WA	(0.0016)	0.10 ¹	2.00	9.00	9.00	1,300	--	700
SO ₂	24-hr	Bridger WA	0.0522	0.20 ¹	5.00	43.00	43.05	365	260	--
		Dinosaur NM	0.0149	5.00	91.00	43.00	43.01	365	--	100
		Fitzpatrick WA	0.0045	0.20 ¹	5.00	43.00	43.00	365	260	--
		Popo Agie WA	0.0071	5.00	91.00	43.00	43.01	365	260	--
		Rawah WA	0.0036	0.20 ¹	5.00	43.00	43.00	365	--	100
		Rocky Mountain NP	0.0016	0.20 ¹	5.00	43.00	43.00	365	--	100
		Savage Run WA	0.0067	0.20 ¹	5.00	43.00	43.01	365	260	--
		Wind River RA	0.0089	5.00	91.00	43.00	43.01	365	260	--
		Mt. Zirkel WA	0.0038	0.20 ¹	5.00	43.00	43.00	--	--	100
SO ₂	3-hr	Bridger WA	0.2618	1.00 ¹	25.00	132.00	132.26	80	60	--
		Dinosaur NM	0.0386	25.00	512.00	132.00	132.04	80	--	15
		Fitzpatrick WA	0.0182	1.00 ¹	25.00	132.00	132.02	80	60	--
		Popo Agie WA	0.0229	25.00	512.00	132.00	132.02	80	60	--
		Rawah WA	0.0089	1.00 ¹	25.00	132.00	132.01	80	--	15
		Rocky Mountain NP	0.0060	1.00 ¹	25.00	132.00	132.01	80	--	15
		Savage Run WA	0.0222	1.00 ¹	25.00	132.00	132.02	80	60	--
		Wind River RA	0.0742	25.00	512.00	132.00	132.07	80	60	--
		Mt. Zirkel WA	0.0129	1.00 ¹	25.00	132.00	132.01	80	--	15

¹ Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table F2.3.1 Maximum Predicted PM₁₀ Impacts at PSD Class I and Sensitive PSD Class II Areas from Proposed Action Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (ug/m ³)	Significance Level (ug/m ³)	PSD Increment (ug/m ³)	Background Concentration (ug/m ³)	Total Concentration (ug/m ³)	NAAQS (ug/m ³)	WAAQS (ug/m ³)	CAAQS (ug/m ³)
PM ₁₀	Annual	Bridger WA	0.000	0.20 ¹	4.00	16.00	16.00	150	150	--
		Dinosaur NM	0.000	1.00	17.00	16.00	16.00	150	--	150
		Fitzpatrick WA	0.000	0.20 ¹	4.00	16.00	16.00	150	150	--
		Popo Agie WA	0.000	1.00	17.00	16.00	16.00	150	150	--
		Rawah WA	0.001	0.20 ¹	4.00	16.00	16.00	150	--	150
		Rocky Mountain NP	0.000	0.20 ¹	4.00	16.00	16.00	150	--	150
		Savage Run WA	0.001	0.20 ¹	4.00	16.00	16.00	150	150	--
		Wind River RA	0.000	1.00	17.00	16.00	16.00	150	150	--
		Mt. Zirkel WA	0.000	0.20 ¹	4.00	16.00	16.00	150	--	150
PM ₁₀	24-hr	Bridger WA	0.006	0.30 ¹	8.00	33.00	33.01	50	50	--
		Dinosaur NM	0.019	5.00	30.00	33.00	33.02	50	--	50
		Fitzpatrick WA	0.004	0.30 ¹	8.00	33.00	33.00	50	50	--
		Popo Agie WA	0.007	5.00	30.00	33.00	33.01	50	50	--
		Rawah WA	0.013	0.30 ¹	8.00	33.00	33.01	50	--	50
		Rocky Mountain NP	0.008	0.30 ¹	8.00	33.00	33.01	50	--	50
		Savage Run WA	0.036	0.30 ¹	8.00	33.00	33.04	50	50	--
		Wind River RA	0.015	5.00	30.00	33.00	33.01	50	50	--
		Mt. Zirkel WA	0.016	0.30 ¹	8.00	33.00	33.02	50	--	50

¹ Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table F2.3.2 Maximum Predicted PM₁₀ Impacts at PSD Class I and Sensitive PSD Class II Areas from Non-Electrification Alternative Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (ug/m ³)	Significance Level (ug/m ³)	PSD Increment (ug/m ³)	Background Concentration (ug/m ³)	Total Concentration (ug/m ³)	NAAQS (ug/m ³)	WAAQS (ug/m ³)	CAAQS (ug/m ³)
PM ₁₀	Annual	Bridger WA	0.000	0.20 ¹	4.00	16.00	16.00	150	150	--
		Dinosaur NM	0.001	1.00	17.00	16.00	16.00	150	--	150
		Fitzpatrick WA	0.000	0.20 ¹	4.00	16.00	16.00	150	150	--
		Popo Agie WA	0.000	1.00	17.00	16.00	16.00	150	150	--
		Rawah WA	0.001	0.20 ¹	4.00	16.00	16.00	150	--	150
		Rocky Mountain NP	0.001	0.20 ¹	4.00	16.00	16.00	150	--	150
		Savage Run WA	0.002	0.20 ¹	4.00	16.00	16.00	150	150	--
		Wind River RA	0.001	1.00	17.00	16.00	16.00	150	150	--
		Mt. Zirkel WA	0.001	0.20 ¹	4.00	16.00	16.00	150	--	150
PM ₁₀	24-hr	Bridger WA	0.011	0.30 ¹	8.00	33.00	33.01	50	50	--
		Dinosaur NM	0.043	5.00	30.00	33.00	33.04	50	--	50
		Fitzpatrick WA	0.008	0.30 ¹	8.00	33.00	33.01	50	50	--
		Popo Agie WA	0.013	5.00	30.00	33.00	33.01	50	50	--
		Rawah WA	0.030	0.30 ¹	8.00	33.00	33.03	50	--	50
		Rocky Mountain NP	0.019	0.30 ¹	8.00	33.00	33.02	50	--	50
		Savage Run WA	0.089	0.30 ¹	8.00	33.00	33.09	50	50	--
		Wind River RA	0.036	5.00	30.00	33.00	33.04	50	50	--
		Mt. Zirkel WA	0.039	0.30 ¹	8.00	33.00	33.04	50	--	50

¹ Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table F2.3.3 Maximum Predicted PM₁₀ Impacts at PSD Class I and Sensitive PSD Class II Areas from No Action and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (ug/m ³)	Significance Level (ug/m ³)	PSD Increment (ug/m ³)	Background Concentration (ug/m ³)	Total Concentration (ug/m ³)	NAAQS (ug/m ³)	WAAQS (ug/m ³)	CAAQS (ug/m ³)
PM ₁₀	Annual	Bridger WA	0.014	0.20 ¹	4.00	16.00	16.01	150	150	--
		Dinosaur NM	0.014	1.00	17.00	16.00	16.01	150	--	150
		Fitzpatrick WA	0.004	0.20 ¹	4.00	16.00	16.00	150	150	--
		Popo Agie WA	0.009	1.00	17.00	16.00	16.01	150	150	--
		Rawah WA	0.006	0.20 ¹	4.00	16.00	16.01	150	--	150
		Rocky Mountain NP	0.003	0.20 ¹	4.00	16.00	16.00	150	--	150
		Savage Run WA	0.010	0.20 ¹	4.00	16.00	16.01	150	150	--
		Wind River RA	0.009	1.00	17.00	16.00	16.01	150	150	--
		Mt. Zirkel WA	0.012	0.20 ¹	4.00	16.00	16.01	150	--	150
PM ₁₀	24-hr	Bridger WA	0.481	0.30 ¹	8.00	33.00	33.48	50	50	--
		Dinosaur NM	0.368	5.00	30.00	33.00	33.37	50	--	50
		Fitzpatrick WA	0.127	0.30 ¹	8.00	33.00	33.13	50	50	--
		Popo Agie WA	0.282	5.00	30.00	33.00	33.28	50	50	--
		Rawah WA	0.055	0.30 ¹	8.00	33.00	33.06	50	--	50
		Rocky Mountain NP	0.035	0.30 ¹	8.00	33.00	33.03	50	--	50
		Savage Run WA	0.112	0.30 ¹	8.00	33.00	33.11	50	50	--
		Wind River RA	0.247	5.00	30.00	33.00	33.25	50	50	--
		Mt. Zirkel WA	0.105	0.30 ¹	8.00	33.00	33.11	50	--	50

¹ Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table F2.3.4 Maximum Predicted PM₁₀ Impacts at PSD Class I and Sensitive PSD Class II Areas from Proposed Action and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (ug/m ³)	Significance Level (ug/m ³)	PSD Increment (ug/m ³)	Background Concentration (ug/m ³)	Total Concentration (ug/m ³)	NAAQS (ug/m ³)	WAAQS (ug/m ³)	CAAQS (ug/m ³)
PM ₁₀	Annual	Bridger WA	0.014	0.20 ¹	4.00	16.00	16.01	150	150	--
		Dinosaur NM	0.014	1.00	17.00	16.00	16.01	150	--	150
		Fitzpatrick WA	0.004	0.20 ¹	4.00	16.00	16.00	150	150	--
		Popo Agie WA	0.009	1.00	17.00	16.00	16.01	150	150	--
		Rawah WA	0.006	0.20 ¹	4.00	16.00	16.01	150	--	150
		Rocky Mountain NP	0.003	0.20 ¹	4.00	16.00	16.00	150	--	150
		Savage Run WA	0.011	0.20 ¹	4.00	16.00	16.01	150	150	--
		Wind River RA	0.009	1.00	17.00	16.00	16.01	150	150	--
		Mt. Zirkel WA	0.012	0.20 ¹	4.00	16.00	16.01	150	--	150
PM ₁₀	24-hr	Bridger WA	0.481	0.30 ¹	8.00	33.00	33.48	50	50	--
		Dinosaur NM	0.368	5.00	30.00	33.00	33.37	50	--	50
		Fitzpatrick WA	0.127	0.30 ¹	8.00	33.00	33.13	50	50	--
		Popo Agie WA	0.283	5.00	30.00	33.00	33.28	50	50	--
		Rawah WA	0.061	0.30 ¹	8.00	33.00	33.06	50	--	50
		Rocky Mountain NP	0.038	0.30 ¹	8.00	33.00	33.04	50	--	50
		Savage Run WA	0.125	0.30 ¹	8.00	33.00	33.13	50	50	--
		Wind River RA	0.247	5.00	30.00	33.00	33.25	50	50	--
		Mt. Zirkel WA	0.106	0.30 ¹	8.00	33.00	33.11	50	--	50

¹ Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table F2.3.5 Maximum Predicted PM₁₀ Impacts at PSD Class I and Sensitive PSD Class II Areas from Non-Electrification Alternative and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (ug/m ³)	Significance Level (ug/m ³)	PSD Increment (ug/m ³)	Background Concentration (ug/m ³)	Total Concentration (ug/m ³)	NAAQS (ug/m ³)	WAAQS (ug/m ³)	CAAQS (ug/m ³)
PM ₁₀	Annual	Bridger WA	0.014	0.20 ¹	4.00	16.00	16.01	150	150	--
		Dinosaur NM	0.015	1.00	17.00	16.00	16.01	150	--	150
		Fitzpatrick WA	0.0040	0.20 ¹	4.00	16.00	16.00	150	150	--
		Popo Agie WA	0.0092	1.00	17.00	16.00	16.01	150	150	--
		Rawah WA	0.0068	0.20 ¹	4.00	16.00	16.01	150	--	150
		Rocky Mountain NP	0.0035	0.20 ¹	4.00	16.00	16.00	150	--	150
		Savage Run WA	0.013	0.20 ¹	4.00	16.00	16.01	150	150	--
		Wind River RA	0.0095	1.00	17.00	16.00	16.01	150	150	--
		Mt. Zirkel WA	0.012	0.20 ¹	4.00	16.00	16.01	150	--	150
PM ₁₀	24-hr	Bridger WA	0.481	0.30 ¹	8.00	33.00	33.48	50	50	--
		Dinosaur NM	0.368	5.00	30.00	33.00	33.37	50	--	50
		Fitzpatrick WA	0.127	0.30 ¹	8.00	33.00	33.13	50	50	--
		Popo Agie WA	0.283	5.00	30.00	33.00	33.28	50	50	--
		Rawah WA	0.070	0.30 ¹	8.00	33.00	33.07	50	--	50
		Rocky Mountain NP	0.043	0.30 ¹	8.00	33.00	33.04	50	--	50
		Savage Run WA	0.155	0.30 ¹	8.00	33.00	33.16	50	50	--
		Wind River RA	0.247	5.00	30.00	33.00	33.25	50	50	--
		Mt. Zirkel WA	0.125	0.30 ¹	8.00	33.00	33.13	50	--	50

¹ Proposed Class I significance level, *Federal Register*/Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table F2.4.1 Maximum Predicted PM_{2.5} Impacts at PSD Class I and Sensitive PSD Class II Areas from Proposed Action Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled	Significance	PSD	Background	Total	NAAQS	WAAQS ¹	CAAQS
			Impact	Level	Increment	Concentration	Concentration	(ug/m ³)	(ug/m ³)	(ug/m ³)
			(ug/m ³)	(ug/m ³)	(ug/m ³)	(ug/m ³)	(ug/m ³)	(ug/m ³)	(ug/m ³)	(ug/m ³)
PM _{2.5}	Annual	Bridger WA	0.000	---	---	5.00	5.00	65	65	--
		Dinosaur NM	0.000	---	---	5.00	5.00	65	--	--
		Fitzpatrick WA	0.000	---	---	5.00	5.00	65	65	--
		Popo Agie WA	0.000	---	---	5.00	5.00	65	65	--
		Rawah WA	0.001	---	---	5.00	5.00	65	--	--
		Rocky Mountain NP	0.000	---	---	5.00	5.00	65	--	--
		Savage Run WA	0.001	---	---	5.00	5.00	65	65	--
		Wind River RA	0.000	---	---	5.00	5.00	65	65	--
		Mt. Zirkel WA	0.000	---	---	5.00	5.00	65	--	--
PM _{2.5}	24-hr	Bridger WA	0.006	---	---	13.00	13.01	15	15	--
		Dinosaur NM	0.019	---	---	13.00	13.02	15	--	--
		Fitzpatrick WA	0.004	---	---	13.00	13.00	15	15	--
		Popo Agie WA	0.007	---	---	13.00	13.01	15	15	--
		Rawah WA	0.013	---	---	13.00	13.01	15	--	--
		Rocky Mountain NP	0.008	---	---	13.00	13.01	15	--	--
		Savage Run WA	0.036	---	---	13.00	13.04	15	15	--
		Wind River RA	0.015	---	---	13.00	13.01	15	15	--
		Mt. Zirkel WA	0.016	---	---	13.00	13.02	15	--	--

¹ Standard not yet enforced in Wyoming per WAQSR Chapter 2 Section 2(b)(v).

