

APPENDIX F:
MAXIMUM PREDICTED MID-FIELD AND FAR-FIELD IMPACTS

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Table F.10.24 Summary of Modeled Cumulative Visibility Impacts at Wyoming Regional Community Locations using IMPROVE Background Data from Direct Project and Regional Sources.

Table F.1.1 Maximum Modeled NO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Maximum Production Proposed Action Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD		Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS	NAAQS (µg/m ³)
				Significance Level (µg/m ³)	Level (µg/m ³)					
NO ₂	Annual	Bridger WA	0.026	0.1 ¹	0.1 ¹	2.5	3.4	3.43	100	100
		Fitzpatrick WA	0.001	0.1 ¹	0.1 ¹	2.5	3.4	3.40	100	100
		Grand Teton NP	0.000	0.1 ¹	0.1 ¹	2.5	3.4	3.40	100	100
		Popo Agie WA	0.009	1.0	1.0	25.0	3.4	3.41	100	100
		Teton WA	0.000	0.1 ¹	0.1 ¹	2.5	3.4	3.40	100	100
		Washakie WA	0.000	0.1 ¹	0.1 ¹	2.5	3.4	3.40	100	100
		Wind River RA	0.006	1.0	1.0	25.0	3.4	3.41	100	100
		Yellowstone NP	0.000	0.1 ¹	0.1 ¹	2.5	3.4	3.40	100	100

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

Table F.1.2 Maximum Modeled NO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative A Sources (WDR250)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD		Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS	NAAQS (µg/m ³)
				Significance Level (µg/m ³)	Increment PSD (µg/m ³)				
NO ₂	Annual	Bridger WA	0.132	0.1 ¹	2.5	3.4	3.53	100	100
		Fitzpatrick WA	0.006	0.1 ¹	2.5	3.4	3.41	100	100
		Grand Teton NP	0.002	0.1 ¹	2.5	3.4	3.40	100	100
		Popo Agie WA	0.044	1.0	25.0	3.4	3.44	100	100
		Teton WA	0.001	0.1 ¹	2.5	3.4	3.40	100	100
		Washakie WA	0.001	0.1 ¹	2.5	3.4	3.40	100	100
		Wind River RA	0.026	1.0	25.0	3.4	3.43	100	100
		Yellowstone NP	0.001	0.1 ¹	2.5	3.4	3.40	100	100

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

Table F.1.3 Maximum Modeled NO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative A Sources (WDR150)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Significance Level (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS	NAAQS
NO ₂	Annual	Bridger WA	0.091	0.1 ¹	2.5	3.4	3.49	100	100
		Fitzpatrick WA	0.004	0.1 ¹	2.5	3.4	3.40	100	100
		Grand Teton NP	0.001	0.1 ¹	2.5	3.4	3.40	100	100
		Popo Agie WA	0.031	1.0	25.0	3.4	3.43	100	100
		Teton WA	0.001	0.1 ¹	2.5	3.4	3.40	100	100
		Washakie WA	0.001	0.1 ¹	2.5	3.4	3.40	100	100
		Wind River RA	0.019	1.0	25.0	3.4	3.42	100	100
		Yellowstone NP	0.000	0.1 ¹	2.5	3.4	3.40	100	100

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

Table F.1.4 Maximum Modeled NO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative A Sources (WDR75)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Significance Level (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS	NAAQS
NO ₂	Annual	Bridger WA	0.057	0.1 ¹	2.5	3.4	3.46	100	100
		Fitzpatrick WA	0.003	0.1 ¹	2.5	3.4	3.40	100	100
		Grand Teton NP	0.001	0.1 ¹	2.5	3.4	3.40	100	100
		Popo Agie WA	0.021	1.0	25.0	3.4	3.42	100	100
		Teton WA	0.000	0.1 ¹	2.5	3.4	3.40	100	100
		Washakie WA	0.000	0.1 ¹	2.5	3.4	3.40	100	100
		Wind River RA	0.012	1.0	25.0	3.4	3.41	100	100
		Yellowstone NP	0.000	0.1 ¹	2.5	3.4	3.40	100	100

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

Table F.1.5 Maximum Modeled NO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative B Sources (WDR250)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Significance Level (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS	NAAQS
								(µg/m ³)	(µg/m ³)
NO ₂	Annual	Bridger WA	0.153	0.1 ¹	2.5	3.4	3.55	100	100
		Fitzpatrick WA	0.006	0.1 ¹	2.5	3.4	3.41	100	100
		Grand Teton NP	0.002	0.1 ¹	2.5	3.4	3.40	100	100
		Popo Agie WA	0.050	1.0	25.0	3.4	3.45	100	100
		Teton WA	0.001	0.1 ¹	2.5	3.4	3.40	100	100
		Washakie WA	0.001	0.1 ¹	2.5	3.4	3.40	100	100
		Wind River RA	0.030	1.0	25.0	3.4	3.43	100	100
		Yellowstone NP	0.001	0.1 ¹	2.5	3.4	3.40	100	100

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

Table F.1.6 Maximum Modeled NO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative B Sources (WDR150)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD		Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS	NAAQS (µg/m ³)
				Significance Level (µg/m ³)	Increment (µg/m ³)				
NO ₂	Annual	Bridger WA	0.103	0.1 ¹	2.5	3.4	3.50	100	100
		Fitzpatrick WA	0.004	0.1 ¹	2.5	3.4	3.40	100	100
		Grand Teton NP	0.001	0.1 ¹	2.5	3.4	3.40	100	100
		Popo Agie WA	0.035	1.0	25.0	3.4	3.43	100	100
		Teton WA	0.001	0.1 ¹	2.5	3.4	3.40	100	100
		Washakie WA	0.001	0.1 ¹	2.5	3.4	3.40	100	100
		Wind River RA	0.021	1.0	25.0	3.4	3.42	100	100
		Yellowstone NP	0.000	0.1 ¹	2.5	3.4	3.40	100	100

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

Table F.1.7 Maximum Modeled NO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative B Sources (WDR75)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Significance Level (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS	NAAQS
								(µg/m ³)	(µg/m ³)
NO ₂	Annual	Bridger WA	0.062	0.1 ¹	2.5	3.4	3.46	100	100
		Fitzpatrick WA	0.003	0.1 ¹	2.5	3.4	3.40	100	100
		Grand Teton NP	0.001	0.1 ¹	2.5	3.4	3.40	100	100
		Popo Agie WA	0.023	1.0	25.0	3.4	3.42	100	100
		Teton WA	0.000	0.1 ¹	2.5	3.4	3.40	100	100
		Washakie WA	0.001	0.1 ¹	2.5	3.4	3.40	100	100
		Wind River RA	0.013	1.0	25.0	3.4	3.41	100	100
		Yellowstone NP	0.000	0.1 ¹	2.5	3.4	3.40	100	100

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

Table F.1.8 Maximum Modeled NO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative C Sources (WDR250)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD		Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS	NAAQS (µg/m ³)
				Significance Level (µg/m ³)	Increment (µg/m ³)				
NO ₂	Annual	Bridger WA	0.121	0.1 ¹	2.5	3.4	3.52	100	100
		Fitzpatrick WA	0.005	0.1 ¹	2.5	3.4	3.41	100	100
		Grand Teton NP	0.002	0.1 ¹	2.5	3.4	3.40	100	100
		Popo Agie WA	0.041	1.0	25.0	3.4	3.44	100	100
		Teton WA	0.001	0.1 ¹	2.5	3.4	3.40	100	100
		Washakie WA	0.001	0.1 ¹	2.5	3.4	3.40	100	100
		Wind River RA	0.024	1.0	25.0	3.4	3.42	100	100
		Yellowstone NP	0.001	0.1 ¹	2.5	3.4	3.40	100	100

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

Table F.1.9 Maximum Monitored NO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative C Sources (WDR150)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Significance Level (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS	NAAQS
NO ₂	Annual	Bridger WA	0.080	0.1 ¹	2.5	3.4	3.48	100	100
		Fitzpatrick WA	0.003	0.1 ¹	2.5	3.4	3.40	100	100
		Grand Teton NP	0.001	0.1 ¹	2.5	3.4	3.40	100	100
		Popo Agie WA	0.028	1.0	25.0	3.4	3.43	100	100
		Teton WA	0.000	0.1 ¹	2.5	3.4	3.40	100	100
		Washakie WA	0.001	0.1 ¹	2.5	3.4	3.40	100	100
		Wind River RA	0.016	1.0	25.0	3.4	3.42	100	100
		Yellowstone NP	0.000	0.1 ¹	2.5	3.4	3.40	100	100

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

Table F.1.10 Maximum Monitored NO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative C Sources (WDR75)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Significance Level (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS	NAAQS
								(µg/m ³)	(µg/m ³)
NO ₂	Annual	Bridger WA	0.045	0.1 ¹	2.5	3.4	3.45	100	100
		Fitzpatrick WA	0.002	0.1 ¹	2.5	3.4	3.40	100	100
		Grand Teton NP	0.001	0.1 ¹	2.5	3.4	3.40	100	100
		Popo Agie WA	0.017	1.0	25.0	3.4	3.42	100	100
		Teton WA	0.000	0.1 ¹	2.5	3.4	3.40	100	100
		Washakie WA	0.000	0.1 ¹	2.5	3.4	3.40	100	100
		Wind River RA	0.010	1.0	25.0	3.4	3.41	100	100
		Yellowstone NP	0.000	0.1 ¹	2.5	3.4	3.40	100	100

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

Table F.1.11 Maximum Modeled NO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative F Sources (WDR250)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Significance Level (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
NO ₂	Annual	Bridger WA	0.141	0.1 ¹	2.5	3.4	3.54	100	100
		Fitzpatrick WA	0.006	0.1 ¹	2.5	3.4	3.41	100	100
		Grand Teton NP	0.002	0.1 ¹	2.5	3.4	3.40	100	100
		Popo Agie WA	0.046	1.0	25.0	3.4	3.45	100	100
		Teton WA	0.001	0.1 ¹	2.5	3.4	3.40	100	100
		Washakie WA	0.001	0.1 ¹	2.5	3.4	3.40	100	100
		Wind River RA	0.027	1.0	25.0	3.4	3.43	100	100
		Yellowstone NP	0.001	0.1 ¹	2.5	3.4	3.40	100	100

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

Table F.1.12 Maximum Modeled NO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative F Sources (WDR150)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Significance Level (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS	
								(µg/m ³)	(µg/m ³)
NO ₂	Annual	Bridger WA	0.096	0.1 ¹	2.5	3.4	3.50	100	100
		Fitzpatrick WA	0.004	0.1 ¹	2.5	3.4	3.40	100	100
		Grand Teton NP	0.001	0.1 ¹	2.5	3.4	3.40	100	100
		Popo Agie WA	0.033	1.0	25.0	3.4	3.43	100	100
		Teton WA	0.001	0.1 ¹	2.5	3.4	3.40	100	100
		Washakie WA	0.001	0.1 ¹	2.5	3.4	3.40	100	100
		Wind River RA	0.019	1.0	25.0	3.4	3.42	100	100
		Yellowstone NP	0.000	0.1 ¹	2.5	3.4	3.40	100	100

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

Table F.1.13 Maximum Modeled NO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative F Sources (WDR75)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Significance Level (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS	NAAQS
								(µg/m ³)	(µg/m ³)
NO ₂	Annual	Bridger WA	0.063	0.1 ¹	2.5	3.4	3.46	100	100
		Fitzpatrick WA	0.003	0.1 ¹	2.5	3.4	3.40	100	100
		Grand Teton NP	0.001	0.1 ¹	2.5	3.4	3.40	100	100
		Popo Agie WA	0.023	1.0	25.0	3.4	3.42	100	100
		Teton WA	0.000	0.1 ¹	2.5	3.4	3.40	100	100
		Washakie WA	0.001	0.1 ¹	2.5	3.4	3.40	100	100
		Wind River RA	0.013	1.0	25.0	3.4	3.41	100	100
		Yellowstone NP	0.000	0.1 ¹	2.5	3.4	3.40	100	100

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

Table F.1.14 Maximum Modeled Cumulative NO₂ Concentration 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 (µg/m ³)	Applicable PSD			Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS NAAQS (µg/m ³)
				Significance Level (µg/m ³)	Applicable PSD Increment (µg/m ³)	PSD Increment (µg/m ³)			
NO ₂	Annual	Bridger WA	0.119	2.5	3.4	3.4	3.52	3.43	100
		Fitzpatrick WA	0.011	2.5	3.4	3.4	3.41	3.40	100
		Grand Teton NP	0.029	2.5	3.4	3.4	3.43	3.40	100
		Popo Agie WA	0.027	25.0	3.4	3.4	3.43	3.41	100
		Teton WA	0.007	2.5	3.4	3.4	3.41	3.40	100
		Washakie WA	0.009	2.5	3.4	3.4	3.41	3.40	100
		Wind River RA	0.024	25.0	3.4	3.4	3.42	3.41	100
		Yellowstone NP	0.003	2.5	3.4	3.4	3.40	3.40	100

Table F.1.15 Maximum Modeled Cumulative NO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Maximum Production Proposed Action and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
NO ₂	Annual	Bridger WA	0.143	2.5	3.4	3.54	100	100
		Fitzpatrick WA	0.012	2.5	3.4	3.41	100	100
		Grand Teton NP	0.029	2.5	3.4	3.43	100	100
		Popo Agie WA	0.036	25.0	3.4	3.44	100	100
		Teton WA	0.007	2.5	3.4	3.41	100	100
		Washakie WA	0.010	2.5	3.4	3.41	100	100
		Wind River RA	0.030	25.0	3.4	3.43	100	100
		Yellowstone NP	0.003	2.5	3.4	3.40	100	100

Table F.1.16 Maximum Modeled Cumulative NO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative A (WDR250) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
NO ₂	Annual	Bridger WA	0.245	2.5	3.4	3.64	100	100
		Fitzpatrick WA	0.017	2.5	3.4	3.42	100	100
		Grand Teton NP	0.030	2.5	3.4	3.43	100	100
		Popo Agie WA	0.070	25.0	3.4	3.47	100	100
		Teton WA	0.007	2.5	3.4	3.41	100	100
		Washakie WA	0.010	2.5	3.4	3.41	100	100
		Wind River RA	0.051	25.0	3.4	3.45	100	100
		Yellowstone NP	0.003	2.5	3.4	3.40	100	100

Table F.1.17 Maximum Modeled Cumulative NO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative A (WDR150) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS NAAQS (µg/m ³)
NO ₂	Annual	Bridger WA	0.203	2.5	3.4	3.60	100
		Fitzpatrick WA	0.015	2.5	3.4	3.42	100
		Grand Teton NP	0.030	2.5	3.4	3.43	100
		Popo Agie WA	0.057	25.0	3.4	3.46	100
		Teton WA	0.007	2.5	3.4	3.41	100
		Washakie WA	0.010	2.5	3.4	3.41	100
		Wind River RA	0.043	25.0	3.4	3.44	100
		Yellowstone NP	0.003	2.5	3.4	3.40	100

Table F.1.18 Maximum Modeled Cumulative NO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative A (WDR75) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS NAAQS (µg/m ³)
NO ₂	Annual	Bridger WA	0.170	2.5	3.4	3.57	100
		Fitzpatrick WA	0.014	2.5	3.4	3.41	100
		Grand Teton NP	0.029	2.5	3.4	3.43	100
		Popo Agie WA	0.047	25.0	3.4	3.45	100
		Teton WA	0.007	2.5	3.4	3.41	100
		Washakie WA	0.010	2.5	3.4	3.41	100
		Wind River RA	0.036	25.0	3.4	3.44	100
		Yellowstone NP	0.003	2.5	3.4	3.40	100

Table F.1.19 Maximum Modeled Cumulative NO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative B (WDR250) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
NO ₂	Annual	Bridger WA	0.265	2.5	3.4	3.67	100	100
		Fitzpatrick WA	0.017	2.5	3.4	3.42	100	100
		Grand Teton NP	0.030	2.5	3.4	3.43	100	100
		Popo Agie WA	0.076	25.0	3.4	3.48	100	100
		Teton WA	0.007	2.5	3.4	3.41	100	100
		Washakie WA	0.010	2.5	3.4	3.41	100	100
		Wind River RA	0.055	25.0	3.4	3.45	100	100
		Yellowstone NP	0.003	2.5	3.4	3.40	100	100

Table F.1.1.20 Maximum Modeled Cumulative NO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative B (WDR150) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
NO ₂	Annual	Bridger WA	0.216	2.5	3.4	3.62	100	100
		Fitzpatrick WA	0.016	2.5	3.4	3.42	100	100
		Grand Teton NP	0.030	2.5	3.4	3.43	100	100
		Popo Agie WA	0.060	25.0	3.4	3.46	100	100
		Teton WA	0.007	2.5	3.4	3.41	100	100
		Washakie WA	0.010	2.5	3.4	3.41	100	100
		Wind River RA	0.045	25.0	3.4	3.45	100	100
		Yellowstone NP	0.003	2.5	3.4	3.40	100	100

Table F.1.1.21 Maximum Modeled Cumulative NO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative B (WDR75) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
NO ₂	Annual	Bridger WA	0.175	2.5	3.4	3.57	100	100
		Fitzpatrick WA	0.014	2.5	3.4	3.41	100	100
		Grand Teton NP	0.030	2.5	3.4	3.43	100	100
		Popo Agie WA	0.049	25.0	3.4	3.45	100	100
		Teton WA	0.007	2.5	3.4	3.41	100	100
		Washakie WA	0.010	2.5	3.4	3.41	100	100
		Wind River RA	0.037	25.0	3.4	3.44	100	100
		Yellowstone NP	0.003	2.5	3.4	3.40	100	100

Table F.1.1.22 Maximum Modeled Cumulative NO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative C (WDR250) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
NO ₂	Annual	Bridger WA	0.233	2.5	3.4	3.63	100	100
		Fitzpatrick WA	0.016	2.5	3.4	3.42	100	100
		Grand Teton NP	0.030	2.5	3.4	3.43	100	100
		Popo Agie WA	0.067	25.0	3.4	3.47	100	100
		Teton WA	0.007	2.5	3.4	3.41	100	100
		Washakie WA	0.010	2.5	3.4	3.41	100	100
		Wind River RA	0.048	25.0	3.4	3.45	100	100
		Yellowstone NP	0.003	2.5	3.4	3.40	100	100

Table F.1.1.23 Maximum Modeled Cumulative NO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative C (WDR150) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS NAAQS (µg/m ³)
NO ₂	Annual	Bridger WA	0.192	2.5	3.4	3.59	100
		Fitzpatrick WA	0.015	2.5	3.4	3.41	100
		Grand Teton NP	0.030	2.5	3.4	3.43	100
		Popo Agie WA	0.054	25.0	3.4	3.45	100
		Teton WA	0.007	2.5	3.4	3.41	100
		Washakie WA	0.010	2.5	3.4	3.41	100
		Wind River RA	0.041	25.0	3.4	3.44	100
		Yellowstone NP	0.003	2.5	3.4	3.40	100

Table F.1.1.24 Maximum Modeled Cumulative NO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative C (WDR75) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS NAAQS (µg/m ³)
NO ₂	Annual	Bridger WA	0.159	2.5	3.4	3.56	100
		Fitzpatrick WA	0.013	2.5	3.4	3.41	100
		Grand Teton NP	0.029	2.5	3.4	3.43	100
		Popo Agie WA	0.044	25.0	3.4	3.44	100
		Teton WA	0.007	2.5	3.4	3.41	100
		Washakie WA	0.010	2.5	3.4	3.41	100
		Wind River RA	0.034	25.0	3.4	3.43	100
		Yellowstone NP	0.003	2.5	3.4	3.40	100

Table F.1.1.25 Maximum Modeled Cumulative NO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative F (WDR250) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Increment (µg/m ³)		Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
				PSD Increment (µg/m ³)	Applicable PSD Increment (µg/m ³)				
NO ₂	Annual	Bridger WA	0.254	2.5	2.5	3.4	3.65	100	100
		Fitzpatrick WA	0.017	2.5	2.5	3.4	3.42	100	100
		Grand Teton NP	0.030	2.5	2.5	3.4	3.43	100	100
		Popo Agie WA	0.072	25.0	25.0	3.4	3.47	100	100
		Teton WA	0.007	2.5	2.5	3.4	3.41	100	100
		Washakie WA	0.010	2.5	2.5	3.4	3.41	100	100
		Wind River RA	0.052	25.0	25.0	3.4	3.45	100	100
		Yellowstone NP	0.003	2.5	2.5	3.4	3.40	100	100

Table F.1.1.26 Maximum Modeled Cumulative NO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative F (WDR150) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS NAAQS (µg/m ³)
NO ₂	Annual	Bridger WA	0.209	2.5	3.4	3.61	100
		Fitzpatrick WA	0.015	2.5	3.4	3.42	100
		Grand Teton NP	0.030	2.5	3.4	3.43	100
		Popo Agie WA	0.058	25.0	3.4	3.46	100
		Teton WA	0.007	2.5	3.4	3.41	100
		Washakie WA	0.010	2.5	3.4	3.41	100
		Wind River RA	0.044	25.0	3.4	3.44	100
		Yellowstone NP	0.003	2.5	3.4	3.40	100

Table F.1.1.27 Maximum Modeled Cumulative NO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative F (WDR75) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
NO ₂	Annual	Bridger WA	0.176	2.5	3.4	3.58	100	100
		Fitzpatrick WA	0.014	2.5	3.4	3.41	100	100
		Grand Teton NP	0.030	2.5	3.4	3.43	100	100
		Popo Agie WA	0.049	25.0	3.4	3.45	100	100
		Teton WA	0.007	2.5	3.4	3.41	100	100
		Washakie WA	0.010	2.5	3.4	3.41	100	100
		Wind River RA	0.038	25.0	3.4	3.44	100	100
		Yellowstone NP	0.003	2.5	3.4	3.40	100	100

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Table F.2.1 Maximum Modeled SO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Maximum Production Proposed Action Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Significance Level (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
SO ₂	Annual	Bridger WA	0.000	0.1 ¹	2	9.0	9.00	60	80
		Fitzpatrick WA	0.000	0.1 ¹	2	9.0	9.00	60	80
		Grand Teton NP	0.000	0.1 ¹	2	9.0	9.00	60	80
		Popo Agie WA	0.000	1.0	20	9.0	9.00	60	80
		Teton WA	0.000	0.1 ¹	2	9.0	9.00	60	80
		Washakie WA	0.000	0.1 ¹	2	9.0	9.00	60	80
		Wind River RA	0.000	1.0	20	9.0	9.00	60	80
		Yellowstone NP	0.000	0.1 ¹	2	9.0	9.00	60	80
		SO ₂	24-hr	Bridger WA	0.001	0.2 ¹	5	43.0	43.0
Fitzpatrick WA	0.000			0.2 ¹	5	43.0	43.0	260	365
Grand Teton NP	0.000			0.2 ¹	5	43.0	43.0	260	365
Popo Agie WA	0.000			5.0	91	43.0	43.0	260	365
Teton WA	0.000			0.2 ¹	5	43.0	43.0	260	365
Washakie WA	0.000			0.2 ¹	5	43.0	43.0	260	365
Wind River RA	0.000			5.0	91	43.0	43.0	260	365
Yellowstone NP	0.000			0.2 ¹	5	43.0	43.0	260	365
SO ₂	3-hr			Bridger WA	0.005	1.0 ¹	25	132.0	132.0
		Fitzpatrick WA	0.001	1.0 ¹	25	132.0	132.0	1,300	1,300
		Grand Teton NP	0.000	1.0 ¹	25	132.0	132.0	1,300	1,300
		Popo Agie WA	0.002	25.0	512	132.0	132.0	1,300	1,300
		Teton WA	0.001	1.0 ¹	25	132.0	132.0	1,300	1,300
		Washakie WA	0.001	1.0 ¹	25	132.0	132.0	1,300	1,300
		Wind River RA	0.001	25.0	512	132.0	132.0	1,300	1,300
		Yellowstone NP	0.000	1.0 ¹	25	132.0	132.0	1,300	1,300

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

Table F.2.2 Maximum Modeled SO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative A Sources (WDR250)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD		Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
				Significance Level (µg/m ³)	Increment (µg/m ³)				
SO ₂	Annual	Bridger WA	0.004	0.1 ¹	2	9.0	9.00	60	80
		Fitzpatrick WA	0.000	0.1 ¹	2	9.0	9.00	60	80
		Grand Teton NP	0.000	0.1 ¹	2	9.0	9.00	60	80
		Popo Agie WA	0.001	1.0	20	9.0	9.00	60	80
		Teton WA	0.000	0.1 ¹	2	9.0	9.00	60	80
		Washakie WA	0.000	0.1 ¹	2	9.0	9.00	60	80
		Wind River RA	0.001	1.0	20	9.0	9.00	60	80
		Yellowstone NP	0.000	0.1 ¹	2	9.0	9.00	60	80
SO ₂	24-hr	Bridger WA	0.073	0.2 ¹	5	43.0	43.1	260	365
		Fitzpatrick WA	0.005	0.2 ¹	5	43.0	43.0	260	365
		Grand Teton NP	0.002	0.2 ¹	5	43.0	43.0	260	365
		Popo Agie WA	0.013	5.0	91	43.0	43.0	260	365
		Teton WA	0.001	0.2 ¹	5	43.0	43.0	260	365
		Washakie WA	0.002	0.2 ¹	5	43.0	43.0	260	365
		Wind River RA	0.010	5.0	91	43.0	43.0	260	365
		Yellowstone NP	0.001	0.2 ¹	5	43.0	43.0	260	365
SO ₂	3-hr	Bridger WA	0.229	1.0 ¹	25	132.0	132.2	1,300	1,300
		Fitzpatrick WA	0.019	1.0 ¹	25	132.0	132.0	1,300	1,300
		Grand Teton NP	0.008	1.0 ¹	25	132.0	132.0	1,300	1,300
		Popo Agie WA	0.081	25.0	512	132.0	132.1	1,300	1,300
		Teton WA	0.007	1.0 ¹	25	132.0	132.0	1,300	1,300
		Washakie WA	0.006	1.0 ¹	25	132.0	132.0	1,300	1,300
		Wind River RA	0.037	25.0	512	132.0	132.0	1,300	1,300
		Yellowstone NP	0.003	1.0 ¹	25	132.0	132.0	1,300	1,300

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

Table F.2.3 Maximum Modeled SO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative A Sources (WDR150)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD		Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
				Significance Level (µg/m ³)	Increment (µg/m ³)				
SO ₂	Annual	Bridger WA	0.002	0.1 ¹	2	9.0	9.00	60	80
		Fitzpatrick WA	0.000	0.1 ¹	2	9.0	9.00	60	80
		Grand Teton NP	0.000	0.1 ¹	2	9.0	9.00	60	80
		Popo Agie WA	0.001	1.0	20	9.0	9.00	60	80
		Teton WA	0.000	0.1 ¹	2	9.0	9.00	60	80
		Washakie WA	0.000	0.1 ¹	2	9.0	9.00	60	80
		Wind River RA	0.000	1.0	20	9.0	9.00	60	80
		Yellowstone NP	0.000	0.1 ¹	2	9.0	9.00	60	80
SO ₂	24-hr	Bridger WA	0.046	0.2 ¹	5	43.0	43.0	260	365
		Fitzpatrick WA	0.003	0.2 ¹	5	43.0	43.0	260	365
		Grand Teton NP	0.001	0.2 ¹	5	43.0	43.0	260	365
		Popo Agie WA	0.008	5.0	91	43.0	43.0	260	365
		Teton WA	0.001	0.2 ¹	5	43.0	43.0	260	365
		Washakie WA	0.001	0.2 ¹	5	43.0	43.0	260	365
		Wind River RA	0.006	5.0	91	43.0	43.0	260	365
		Yellowstone NP	0.001	0.2 ¹	5	43.0	43.0	260	365
SO ₂	3-hr	Bridger WA	0.143	1.0 ¹	25	132.0	132.1	1,300	1,300
		Fitzpatrick WA	0.012	1.0 ¹	25	132.0	132.0	1,300	1,300
		Grand Teton NP	0.005	1.0 ¹	25	132.0	132.0	1,300	1,300
		Popo Agie WA	0.055	25.0	512	132.0	132.1	1,300	1,300
		Teton WA	0.004	1.0 ¹	25	132.0	132.0	1,300	1,300
		Washakie WA	0.004	1.0 ¹	25	132.0	132.0	1,300	1,300
		Wind River RA	0.024	25.0	512	132.0	132.0	1,300	1,300
		Yellowstone NP	0.002	1.0 ¹	25	132.0	132.0	1,300	1,300

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

Table F.2.4 Maximum Modeled SO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative A Sources (WDR75)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Significance Level (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
SO ₂	Annual	Bridger WA	0.001	0.1 ¹	2	9.0	9.00	60	80
		Fitzpatrick WA	0.000	0.1 ¹	2	9.0	9.00	60	80
		Grand Teton NP	0.000	0.1 ¹	2	9.0	9.00	60	80
		Popo Agie WA	0.000	1.0	20	9.0	9.00	60	80
		Teton WA	0.000	0.1 ¹	2	9.0	9.00	60	80
		Washakie WA	0.000	0.1 ¹	2	9.0	9.00	60	80
		Wind River RA	0.000	1.0	20	9.0	9.00	60	80
		Yellowstone NP	0.000	0.1 ¹	2	9.0	9.00	60	80
SO ₂	24-hr	Bridger WA	0.022	0.2 ¹	5	43.0	43.0	260	365
		Fitzpatrick WA	0.002	0.2 ¹	5	43.0	43.0	260	365
		Grand Teton NP	0.001	0.2 ¹	5	43.0	43.0	260	365
		Popo Agie WA	0.005	5.0	91	43.0	43.0	260	365
		Teton WA	0.000	0.2 ¹	5	43.0	43.0	260	365
		Washakie WA	0.001	0.2 ¹	5	43.0	43.0	260	365
		Wind River RA	0.004	5.0	91	43.0	43.0	260	365
		Yellowstone NP	0.000	0.2 ¹	5	43.0	43.0	260	365
SO ₂	3-hr	Bridger WA	0.073	1.0 ¹	25	132.0	132.1	1,300	1,300
		Fitzpatrick WA	0.006	1.0 ¹	25	132.0	132.0	1,300	1,300
		Grand Teton NP	0.003	1.0 ¹	25	132.0	132.0	1,300	1,300
		Popo Agie WA	0.026	25.0	512	132.0	132.0	1,300	1,300
		Teton WA	0.002	1.0 ¹	25	132.0	132.0	1,300	1,300
		Washakie WA	0.003	1.0 ¹	25	132.0	132.0	1,300	1,300
		Wind River RA	0.011	25.0	512	132.0	132.0	1,300	1,300
		Yellowstone NP	0.001	1.0 ¹	25	132.0	132.0	1,300	1,300

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

Table F.2.5 Maximum Modeled SO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative B Sources (WDR250)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Significance Level (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS	NAAQS		
										(µg/m ³)	(µg/m ³)
SO ₂	Annual	Bridger WA	0.004	0.1 ¹	2	9.0	9.00	60	80		
		Fitzpatrick WA	0.000	0.1 ¹	2	9.0	9.00	60	80		
		Grand Teton NP	0.000	0.1 ¹	2	9.0	9.00	60	80		
		Popo Agie WA	0.001	1.0	20	9.0	9.00	60	80		
		Teton WA	0.000	0.1 ¹	2	9.0	9.00	60	80		
		Washakie WA	0.000	0.1 ¹	2	9.0	9.00	60	80		
		Wind River RA	0.001	1.0	20	9.0	9.00	60	80		
		Yellowstone NP	0.000	0.1 ¹	2	9.0	9.00	60	80		
		SO ₂	24-hr	Bridger WA	0.090	0.2 ¹	5	43.0	43.1	260	365
				Fitzpatrick WA	0.006	0.2 ¹	5	43.0	43.0	260	365
Grand Teton NP	0.003			0.2 ¹	5	43.0	43.0	260	365		
Popo Agie WA	0.016			5.0	91	43.0	43.0	260	365		
Teton WA	0.002			0.2 ¹	5	43.0	43.0	260	365		
Washakie WA	0.002			0.2 ¹	5	43.0	43.0	260	365		
Wind River RA	0.013			5.0	91	43.0	43.0	260	365		
Yellowstone NP	0.001			0.2 ¹	5	43.0	43.0	260	365		
SO ₂	3-hr			Bridger WA	0.280	1.0 ¹	25	132.0	132.3	1,300	1,300
				Fitzpatrick WA	0.023	1.0 ¹	25	132.0	132.0	1,300	1,300
		Grand Teton NP	0.009	1.0 ¹	25	132.0	132.0	1,300	1,300		
		Popo Agie WA	0.100	25.0	512	132.0	132.1	1,300	1,300		
		Teton WA	0.009	1.0 ¹	25	132.0	132.0	1,300	1,300		
		Washakie WA	0.007	1.0 ¹	25	132.0	132.0	1,300	1,300		
		Wind River RA	0.045	25.0	512	132.0	132.0	1,300	1,300		
		Yellowstone NP	0.004	1.0 ¹	25	132.0	132.0	1,300	1,300		

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

Table F.2.6 Maximum Modeled SO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative B Sources (WDR150)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Significance Level (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS Concentration (µg/m ³)	NAAQS (µg/m ³)
SO ₂	Annual	Bridger WA	0.003	0.1 ¹	2	9.0	9.00	60	80
		Fitzpatrick WA	0.000	0.1 ¹	2	9.0	9.00	60	80
		Grand Teton NP	0.000	0.1 ¹	2	9.0	9.00	60	80
		Popo Agie WA	0.001	1.0	20	9.0	9.00	60	80
		Teton WA	0.000	0.1 ¹	2	9.0	9.00	60	80
		Washakie WA	0.000	0.1 ¹	2	9.0	9.00	60	80
		Wind River RA	0.001	1.0	20	9.0	9.00	60	80
		Yellowstone NP	0.000	0.1 ¹	2	9.0	9.00	60	80
SO ₂	24-hr	Bridger WA	0.056	0.2 ¹	5	43.0	43.1	260	365
		Fitzpatrick WA	0.004	0.2 ¹	5	43.0	43.0	260	365
		Grand Teton NP	0.002	0.2 ¹	5	43.0	43.0	260	365
		Popo Agie WA	0.010	5.0	91	43.0	43.0	260	365
		Teton WA	0.001	0.2 ¹	5	43.0	43.0	260	365
		Washakie WA	0.001	0.2 ¹	5	43.0	43.0	260	365
		Wind River RA	0.008	5.0	91	43.0	43.0	260	365
		Yellowstone NP	0.001	0.2 ¹	5	43.0	43.0	260	365
SO ₂	3-hr	Bridger WA	0.174	1.0 ¹	25	132.0	132.2	1,300	1,300
		Fitzpatrick WA	0.015	1.0 ¹	25	132.0	132.0	1,300	1,300
		Grand Teton NP	0.006	1.0 ¹	25	132.0	132.0	1,300	1,300
		Popo Agie WA	0.067	25.0	512	132.0	132.1	1,300	1,300
		Teton WA	0.005	1.0 ¹	25	132.0	132.0	1,300	1,300
		Washakie WA	0.005	1.0 ¹	25	132.0	132.0	1,300	1,300
		Wind River RA	0.029	25.0	512	132.0	132.0	1,300	1,300
		Yellowstone NP	0.002	1.0 ¹	25	132.0	132.0	1,300	1,300

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

Table F.2.7 Maximum Modeled SO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative B Sources (WDR75)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Significance Level (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
SO ₂	Annual	Bridger WA	0.001	0.1 ¹	2	9.0	9.00	60	80
		Fitzpatrick WA	0.000	0.1 ¹	2	9.0	9.00	60	80
		Grand Teton NP	0.000	0.1 ¹	2	9.0	9.00	60	80
		Popo Agie WA	0.000	1.0	20	9.0	9.00	60	80
		Teton WA	0.000	0.1 ¹	2	9.0	9.00	60	80
		Washakie WA	0.000	0.1 ¹	2	9.0	9.00	60	80
		Wind River RA	0.000	1.0	20	9.0	9.00	60	80
		Yellowstone NP	0.000	0.1 ¹	2	9.0	9.00	60	80
SO ₂	24-hr	Bridger WA	0.027	0.2 ¹	5	43.0	43.0	260	365
		Fitzpatrick WA	0.002	0.2 ¹	5	43.0	43.0	260	365
		Grand Teton NP	0.001	0.2 ¹	5	43.0	43.0	260	365
		Popo Agie WA	0.006	5.0	91	43.0	43.0	260	365
		Teton WA	0.000	0.2 ¹	5	43.0	43.0	260	365
		Washakie WA	0.001	0.2 ¹	5	43.0	43.0	260	365
		Wind River RA	0.004	5.0	91	43.0	43.0	260	365
		Yellowstone NP	0.000	0.2 ¹	5	43.0	43.0	260	365
SO ₂	3-hr	Bridger WA	0.089	1.0 ¹	25	132.0	132.1	1,300	1,300
		Fitzpatrick WA	0.008	1.0 ¹	25	132.0	132.0	1,300	1,300
		Grand Teton NP	0.003	1.0 ¹	25	132.0	132.0	1,300	1,300
		Popo Agie WA	0.032	25.0	512	132.0	132.0	1,300	1,300
		Teton WA	0.003	1.0 ¹	25	132.0	132.0	1,300	1,300
		Washakie WA	0.003	1.0 ¹	25	132.0	132.0	1,300	1,300
		Wind River RA	0.014	25.0	512	132.0	132.0	1,300	1,300
		Yellowstone NP	0.001	1.0 ¹	25	132.0	132.0	1,300	1,300

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

Table F.2.8 Maximum Modeled SO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative C Sources (WDR250)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Significance Level (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
SO ₂	Annual	Bridger WA	0.004	0.1 ¹	2	9.0	9.00	60	80
		Fitzpatrick WA	0.000	0.1 ¹	2	9.0	9.00	60	80
		Grand Teton NP	0.000	0.1 ¹	2	9.0	9.00	60	80
		Popo Agie WA	0.001	1.0	20	9.0	9.00	60	80
		Teton WA	0.000	0.1 ¹	2	9.0	9.00	60	80
		Washakie WA	0.000	0.1 ¹	2	9.0	9.00	60	80
		Wind River RA	0.001	1.0	20	9.0	9.00	60	80
		Yellowstone NP	0.000	0.1 ¹	2	9.0	9.00	60	80
SO ₂	24-hr	Bridger WA	0.073	0.2 ¹	5	43.0	43.1	260	365
		Fitzpatrick WA	0.005	0.2 ¹	5	43.0	43.0	260	365
		Grand Teton NP	0.002	0.2 ¹	5	43.0	43.0	260	365
		Popo Agie WA	0.013	5.0	91	43.0	43.0	260	365
		Teton WA	0.001	0.2 ¹	5	43.0	43.0	260	365
		Washakie WA	0.002	0.2 ¹	5	43.0	43.0	260	365
		Wind River RA	0.010	5.0	91	43.0	43.0	260	365
		Yellowstone NP	0.001	0.2 ¹	5	43.0	43.0	260	365
SO ₂	3-hr	Bridger WA	0.227	1.0 ¹	25	132.0	132.2	1,300	1,300
		Fitzpatrick WA	0.019	1.0 ¹	25	132.0	132.0	1,300	1,300
		Grand Teton NP	0.008	1.0 ¹	25	132.0	132.0	1,300	1,300
		Popo Agie WA	0.081	25.0	512	132.0	132.1	1,300	1,300
		Teton WA	0.007	1.0 ¹	25	132.0	132.0	1,300	1,300
		Washakie WA	0.006	1.0 ¹	25	132.0	132.0	1,300	1,300
		Wind River RA	0.036	25.0	512	132.0	132.0	1,300	1,300
		Yellowstone NP	0.003	1.0 ¹	25	132.0	132.0	1,300	1,300

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

Table F.2.9 Maximum Modeled SO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative C Sources (WDR150)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Significance Level (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
SO ₂	Annual	Bridger WA	0.002	0.1 ¹	2	9.0	9.00	60	80
		Fitzpatrick WA	0.000	0.1 ¹	2	9.0	9.00	60	80
		Grand Teton NP	0.000	0.1 ¹	2	9.0	9.00	60	80
		Popo Agie WA	0.001	1.0	20	9.0	9.00	60	80
		Teton WA	0.000	0.1 ¹	2	9.0	9.00	60	80
		Washakie WA	0.000	0.1 ¹	2	9.0	9.00	60	80
		Wind River RA	0.000	1.0	20	9.0	9.00	60	80
		Yellowstone NP	0.000	0.1 ¹	2	9.0	9.00	60	80
		SO ₂	24-hr	Bridger WA	0.045	0.2 ¹	5	43.0	43.0
Fitzpatrick WA	0.003			0.2 ¹	5	43.0	43.0	260	365
Grand Teton NP	0.001			0.2 ¹	5	43.0	43.0	260	365
Popo Agie WA	0.008			5.0	91	43.0	43.0	260	365
Teton WA	0.001			0.2 ¹	5	43.0	43.0	260	365
Washakie WA	0.001			0.2 ¹	5	43.0	43.0	260	365
Wind River RA	0.006			5.0	91	43.0	43.0	260	365
Yellowstone NP	0.001			0.2 ¹	5	43.0	43.0	260	365
SO ₂	3-hr			Bridger WA	0.140	1.0 ¹	25	132.0	132.1
		Fitzpatrick WA	0.012	1.0 ¹	25	132.0	132.0	1,300	1,300
		Grand Teton NP	0.005	1.0 ¹	25	132.0	132.0	1,300	1,300
		Popo Agie WA	0.054	25.0	512	132.0	132.1	1,300	1,300
		Teton WA	0.004	1.0 ¹	25	132.0	132.0	1,300	1,300
		Washakie WA	0.004	1.0 ¹	25	132.0	132.0	1,300	1,300
		Wind River RA	0.023	25.0	512	132.0	132.0	1,300	1,300
		Yellowstone NP	0.002	1.0 ¹	25	132.0	132.0	1,300	1,300

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

Table F.2.10 Maximum Modeled SO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative C Sources (WDR75)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Significance Level (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
SO ₂	Annual	Bridger WA	0.001	0.1 ¹	2	9.0	9.00	60	80
		Fitzpatrick WA	0.000	0.1 ¹	2	9.0	9.00	60	80
		Grand Teton NP	0.000	0.1 ¹	2	9.0	9.00	60	80
		Popo Agie WA	0.000	1.0	20	9.0	9.00	60	80
		Teton WA	0.000	0.1 ¹	2	9.0	9.00	60	80
		Washakie WA	0.000	0.1 ¹	2	9.0	9.00	60	80
		Wind River RA	0.000	1.0	20	9.0	9.00	60	80
		Yellowstone NP	0.000	0.1 ¹	2	9.0	9.00	60	80
		Bridger WA	0.022	0.2 ¹	5	43.0	43.0	260	365
		Fitzpatrick WA	0.002	0.2 ¹	5	43.0	43.0	260	365
SO ₂	24-hr	Grand Teton NP	0.001	0.2 ¹	5	43.0	43.0	260	365
		Popo Agie WA	0.005	5.0	91	43.0	43.0	260	365
		Teton WA	0.000	0.2 ¹	5	43.0	43.0	260	365
		Washakie WA	0.001	0.2 ¹	5	43.0	43.0	260	365
		Wind River RA	0.004	5.0	91	43.0	43.0	260	365
		Yellowstone NP	0.000	0.2 ¹	5	43.0	43.0	260	365
		Bridger WA	0.071	1.0 ¹	25	132.0	132.1	1,300	1,300
		Fitzpatrick WA	0.006	1.0 ¹	25	132.0	132.0	1,300	1,300
		Grand Teton NP	0.002	1.0 ¹	25	132.0	132.0	1,300	1,300
		Popo Agie WA	0.026	25.0	512	132.0	132.1	1,300	1,300
SO ₂	3-hr	Teton WA	0.002	1.0 ¹	25	132.0	132.0	1,300	1,300
		Washakie WA	0.002	1.0 ¹	25	132.0	132.0	1,300	1,300
		Wind River RA	0.011	25.0	512	132.0	132.0	1,300	1,300
		Yellowstone NP	0.001	1.0 ¹	25	132.0	132.0	1,300	1,300

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

Table F.2.11 Maximum Modeled SO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative F Sources (WDR250)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD		Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
				Significance Level (µg/m ³)	PSD Increment (µg/m ³)				
SO ₂	Annual	Bridger WA	0.004	0.1 ¹	2	9.0	9.00	60	80
		Fitzpatrick WA	0.000	0.1 ¹	2	9.0	9.00	60	80
		Grand Teton NP	0.000	0.1 ¹	2	9.0	9.00	60	80
		Popo Agie WA	0.001	1.0	20	9.0	9.00	60	80
		Teton WA	0.000	0.1 ¹	2	9.0	9.00	60	80
		Washakie WA	0.000	0.1 ¹	2	9.0	9.00	60	80
		Wind River RA	0.001	1.0	20	9.0	9.00	60	80
		Yellowstone NP	0.000	0.1 ¹	2	9.0	9.00	60	80
SO ₂	24-hr	Bridger WA	0.079	0.2 ¹	5	43.0	43.1	260	365
		Fitzpatrick WA	0.006	0.2 ¹	5	43.0	43.0	260	365
		Grand Teton NP	0.003	0.2 ¹	5	43.0	43.0	260	365
		Popo Agie WA	0.014	5.0	91	43.0	43.0	260	365
		Teton WA	0.001	0.2 ¹	5	43.0	43.0	260	365
		Washakie WA	0.002	0.2 ¹	5	43.0	43.0	260	365
		Wind River RA	0.011	5.0	91	43.0	43.0	260	365
		Yellowstone NP	0.001	0.2 ¹	5	43.0	43.0	260	365
SO ₂	3-hr	Bridger WA	0.254	1.0 ¹	25	132.0	132.3	1,300	1,300
		Fitzpatrick WA	0.021	1.0 ¹	25	132.0	132.0	1,300	1,300
		Grand Teton NP	0.009	1.0 ¹	25	132.0	132.0	1,300	1,300
		Popo Agie WA	0.090	25.0	512	132.0	132.1	1,300	1,300
		Teton WA	0.008	1.0 ¹	25	132.0	132.0	1,300	1,300
		Washakie WA	0.007	1.0 ¹	25	132.0	132.0	1,300	1,300
		Wind River RA	0.041	25.0	512	132.0	132.0	1,300	1,300
		Yellowstone NP	0.003	1.0 ¹	25	132.0	132.0	1,300	1,300

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

Table F.2.12 Maximum Modeled SO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative F Sources (WDR150)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD		Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
				Significance Level (µg/m ³)	Increment (µg/m ³)				
SO ₂	Annual	Bridger WA	0.002	0.1 ¹	2	9.0	9.00	60	80
		Fitzpatrick WA	0.000	0.1 ¹	2	9.0	9.00	60	80
		Grand Teton NP	0.000	0.1 ¹	2	9.0	9.00	60	80
		Popo Agie WA	0.001	1.0	20	9.0	9.00	60	80
		Teton WA	0.000	0.1 ¹	2	9.0	9.00	60	80
		Washakie WA	0.000	0.1 ¹	2	9.0	9.00	60	80
		Wind River RA	0.001	1.0	20	9.0	9.00	60	80
		Yellowstone NP	0.000	0.1 ¹	2	9.0	9.00	60	80
		Bridger WA	0.050	0.2 ¹	5	43.0	43.0	260	365
		Fitzpatrick WA	0.004	0.2 ¹	5	43.0	43.0	260	365
SO ₂	24-hr	Grand Teton NP	0.002	0.2 ¹	5	43.0	43.0	260	365
		Popo Agie WA	0.009	5.0	91	43.0	43.0	260	365
		Teton WA	0.001	0.2 ¹	5	43.0	43.0	260	365
		Washakie WA	0.001	0.2 ¹	5	43.0	43.0	260	365
		Wind River RA	0.007	5.0	91	43.0	43.0	260	365
		Yellowstone NP	0.001	0.2 ¹	5	43.0	43.0	260	365
		Bridger WA	0.157	1.0 ¹	25	132.0	132.2	1,300	1,300
		Fitzpatrick WA	0.014	1.0 ¹	25	132.0	132.0	1,300	1,300
		Grand Teton NP	0.005	1.0 ¹	25	132.0	132.0	1,300	1,300
		Popo Agie WA	0.060	25.0	512	132.0	132.1	1,300	1,300
SO ₂	3-hr	Teton WA	0.005	1.0 ¹	25	132.0	132.0	1,300	1,300
		Washakie WA	0.004	1.0 ¹	25	132.0	132.0	1,300	1,300
		Wind River RA	0.026	25.0	512	132.0	132.0	1,300	1,300
		Yellowstone NP	0.002	1.0 ¹	25	132.0	132.0	1,300	1,300
		Bridger WA	0.157	1.0 ¹	25	132.0	132.2	1,300	1,300
		Fitzpatrick WA	0.014	1.0 ¹	25	132.0	132.0	1,300	1,300

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

Table F.2.13 Maximum Modeled SO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative F Sources (WDR75)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Significance Level (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
SO ₂	Annual	Bridger WA	0.001	0.1 ¹	2	9.0	9.00	60	80
		Fitzpatrick WA	0.000	0.1 ¹	2	9.0	9.00	60	80
		Grand Teton NP	0.000	0.1 ¹	2	9.0	9.00	60	80
		Popo Agie WA	0.000	1.0	20	9.0	9.00	60	80
		Teton WA	0.000	0.1 ¹	2	9.0	9.00	60	80
		Washakie WA	0.000	0.1 ¹	2	9.0	9.00	60	80
		Wind River RA	0.000	1.0	20	9.0	9.00	60	80
		Yellowstone NP	0.000	0.1 ¹	2	9.0	9.00	60	80
SO ₂	24-hr	Bridger WA	0.024	0.2 ¹	5	43.0	43.0	260	365
		Fitzpatrick WA	0.002	0.2 ¹	5	43.0	43.0	260	365
		Grand Teton NP	0.001	0.2 ¹	5	43.0	43.0	260	365
		Popo Agie WA	0.005	5.0	91	43.0	43.0	260	365
		Teton WA	0.000	0.2 ¹	5	43.0	43.0	260	365
		Washakie WA	0.001	0.2 ¹	5	43.0	43.0	260	365
		Wind River RA	0.004	5.0	91	43.0	43.0	260	365
		Yellowstone NP	0.000	0.2 ¹	5	43.0	43.0	260	365
SO ₂	3-hr	Bridger WA	0.081	1.0 ¹	25	132.0	132.1	1,300	1,300
		Fitzpatrick WA	0.007	1.0 ¹	25	132.0	132.0	1,300	1,300
		Grand Teton NP	0.003	1.0 ¹	25	132.0	132.0	1,300	1,300
		Popo Agie WA	0.029	25.0	512	132.0	132.0	1,300	1,300
		Teton WA	0.003	1.0 ¹	25	132.0	132.0	1,300	1,300
		Washakie WA	0.003	1.0 ¹	25	132.0	132.0	1,300	1,300
		Wind River RA	0.012	25.0	512	132.0	132.0	1,300	1,300
		Yellowstone NP	0.001	1.0 ¹	25	132.0	132.0	1,300	1,300

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

Table F.2.14 Maximum Modeled Cumulative SO₂ Concentration 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 (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
SO ₂	Annual	Bridger WA	0.000	2	9.0	9.00	60	80
		Fitzpatrick WA	0.000	2	9.0	9.00	60	80
		Grand Teton NP	0.007	2	9.0	9.01	60	80
		Popo Agie WA	0.000	20	9.0	9.00	60	80
		Teton WA	0.001	2	9.0	9.00	60	80
		Washakie WA	0.000	2	9.0	9.00	60	80
		Wind River RA	0.000	20	9.0	9.00	60	80
		Yellowstone NP	0.001	2	9.0	9.00	60	80
		SO ₂	24-hr	Bridger WA	0.041	5	43.0	43.04
Fitzpatrick WA	0.006			5	43.0	43.01	260	365
Grand Teton NP	0.038			5	43.0	43.04	260	365
Popo Agie WA	0.010			91	43.0	43.01	260	365
Teton WA	0.012			5	43.0	43.01	260	365
Washakie WA	0.008			5	43.0	43.01	260	365
Wind River RA	0.014			91	43.0	43.01	260	365
Yellowstone NP	0.013			5	43.0	43.01	260	365
SO ₂	3-hr			Bridger WA	0.164	25	132.0	132.20
		Fitzpatrick WA	0.020	25	132.0	132.00	1,300	1,300
		Grand Teton NP	0.201	25	132.0	132.20	1,300	1,300
		Popo Agie WA	0.020	512	132.0	132.00	1,300	1,300
		Teton WA	0.037	25	132.0	132.00	1,300	1,300
		Washakie WA	0.022	25	132.0	132.00	1,300	1,300
		Wind River RA	0.109	512	132.0	132.10	1,300	1,300
		Yellowstone NP	0.075	25	132.0	132.10	1,300	1,300

Table F.2.15 Maximum Modeled Cumulative SO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Maximum Production Proposed Action and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
SO ₂	Annual	Bridger WA	0.000	2	9.0	9.00	60	80
		Fitzpatrick WA	0.000	2	9.0	9.00	60	80
		Grand Teton NP	0.007	2	9.0	9.01	60	80
		Popo Agie WA	0.000	20	9.0	9.00	60	80
		Teton WA	0.001	2	9.0	9.00	60	80
		Washakie WA	0.000	2	9.0	9.00	60	80
		Wind River RA	0.000	20	9.0	9.00	60	80
		Yellowstone NP	0.001	2	9.0	9.00	60	80
		SO ₂	24-hr	Bridger WA	0.04	5	43.0	43.04
Fitzpatrick WA	0.01			5	43.0	43.01	260	365
Grand Teton NP	0.04			5	43.0	43.04	260	365
Popo Agie WA	0.01			91	43.0	43.01	260	365
Teton WA	0.01			5	43.0	43.01	260	365
Washakie WA	0.01			5	43.0	43.01	260	365
Wind River RA	0.01			91	43.0	43.01	260	365
Yellowstone NP	0.01			5	43.0	43.01	260	365
SO ₂	3-hr			Bridger WA	0.16	25	132.0	132.20
		Fitzpatrick WA	0.02	25	132.0	132.00	1,300	1,300
		Grand Teton NP	0.20	25	132.0	132.20	1,300	1,300
		Popo Agie WA	0.02	512	132.0	132.00	1,300	1,300
		Teton WA	0.04	25	132.0	132.00	1,300	1,300
		Washakie WA	0.02	25	132.0	132.00	1,300	1,300
		Wind River RA	0.11	512	132.0	132.10	1,300	1,300
		Yellowstone NP	0.07	25	132.0	132.10	1,300	1,300

Table F.2.16 Maximum Modeled Cumulative SO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative A (WDR250) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
SO ₂	Annual	Bridger WA	0.000	2	9.0	9.00	60	80
		Fitzpatrick WA	0.000	2	9.0	9.00	60	80
		Grand Teton NP	0.007	2	9.0	9.01	60	80
		Popo Agie WA	0.000	20	9.0	9.00	60	80
		Teton WA	0.001	2	9.0	9.00	60	80
		Washakie WA	0.000	2	9.0	9.00	60	80
		Wind River RA	0.000	20	9.0	9.00	60	80
		Yellowstone NP	0.001	2	9.0	9.00	60	80
		SO ₂	24-hr	Bridger WA	0.08	5	43.0	43.08
Fitzpatrick WA	0.01			5	43.0	43.01	260	365
Grand Teton NP	0.04			5	43.0	43.04	260	365
Popo Agie WA	0.01			91	43.0	43.01	260	365
Teton WA	0.01			5	43.0	43.01	260	365
Washakie WA	0.01			5	43.0	43.01	260	365
Wind River RA	0.01			91	43.0	43.01	260	365
Yellowstone NP	0.01			5	43.0	43.01	260	365
SO ₂	3-hr			Bridger WA	0.24	25	132.0	132.20
		Fitzpatrick WA	0.02	25	132.0	132.00	1,300	1,300
		Grand Teton NP	0.20	25	132.0	132.20	1,300	1,300
		Popo Agie WA	0.08	512	132.0	132.10	1,300	1,300
		Teton WA	0.04	25	132.0	132.00	1,300	1,300
		Washakie WA	0.02	25	132.0	132.00	1,300	1,300
		Wind River RA	0.12	512	132.0	132.10	1,300	1,300
		Yellowstone NP	0.07	25	132.0	132.10	1,300	1,300

Table F.2.17 Maximum Modeled Cumulative SO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative A (WDR150) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
SO ₂	Annual	Bridger WA	0.000	2	9.0	9.00	60	80
		Fitzpatrick WA	0.000	2	9.0	9.00	60	80
		Grand Teton NP	0.007	2	9.0	9.01	60	80
		Popo Agie WA	0.000	20	9.0	9.00	60	80
		Teton WA	0.001	2	9.0	9.00	60	80
		Washakie WA	0.000	2	9.0	9.00	60	80
		Wind River RA	0.000	20	9.0	9.00	60	80
		Yellowstone NP	0.001	2	9.0	9.00	60	80
		SO ₂	24-hr	Bridger WA	0.05	5	43.0	43.05
Fitzpatrick WA	0.01			5	43.0	43.01	260	365
Grand Teton NP	0.04			5	43.0	43.04	260	365
Popo Agie WA	0.01			91	43.0	43.01	260	365
Teton WA	0.01			5	43.0	43.01	260	365
Washakie WA	0.01			5	43.0	43.01	260	365
Wind River RA	0.01			91	43.0	43.01	260	365
Yellowstone NP	0.01			5	43.0	43.01	260	365
SO ₂	3-hr			Bridger WA	0.17	25	132.0	132.20
		Fitzpatrick WA	0.02	25	132.0	132.00	1,300	1,300
		Grand Teton NP	0.20	25	132.0	132.20	1,300	1,300
		Popo Agie WA	0.06	512	132.0	132.10	1,300	1,300
		Teton WA	0.04	25	132.0	132.00	1,300	1,300
		Washakie WA	0.02	25	132.0	132.00	1,300	1,300
		Wind River RA	0.11	512	132.0	132.10	1,300	1,300
		Yellowstone NP	0.07	25	132.0	132.10	1,300	1,300

Table F.2.18 Maximum Modeled Cumulative SO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative A (WDR75) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
SO ₂	Annual	Bridger WA	0.000	2	9.0	9.00	60	80
		Fitzpatrick WA	0.000	2	9.0	9.00	60	80
		Grand Teton NP	0.007	2	9.0	9.01	60	80
		Popo Agie WA	0.000	20	9.0	9.00	60	80
		Teton WA	0.001	2	9.0	9.00	60	80
		Washakie WA	0.000	2	9.0	9.00	60	80
		Wind River RA	0.000	20	9.0	9.00	60	80
		Yellowstone NP	0.001	2	9.0	9.00	60	80
		SO ₂	24-hr	Bridger WA	0.04	5	43.0	43.04
Fitzpatrick WA	0.01			5	43.0	43.01	260	365
Grand Teton NP	0.04			5	43.0	43.04	260	365
Popo Agie WA	0.01			91	43.0	43.01	260	365
Teton WA	0.01			5	43.0	43.01	260	365
Washakie WA	0.01			5	43.0	43.01	260	365
Wind River RA	0.01			91	43.0	43.01	260	365
Yellowstone NP	0.01			5	43.0	43.01	260	365
SO ₂	3-hr			Bridger WA	0.17	25	132.0	132.20
		Fitzpatrick WA	0.02	25	132.0	132.00	1,300	1,300
		Grand Teton NP	0.20	25	132.0	132.20	1,300	1,300
		Popo Agie WA	0.03	512	132.0	132.00	1,300	1,300
		Teton WA	0.04	25	132.0	132.00	1,300	1,300
		Washakie WA	0.02	25	132.0	132.00	1,300	1,300
		Wind River RA	0.11	512	132.0	132.10	1,300	1,300
		Yellowstone NP	0.07	25	132.0	132.10	1,300	1,300

Table F.2.19 Maximum Modeled Cumulative SO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative B (WDR250) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
SO ₂	Annual	Bridger WA	0.000	2	9.0	9.00	60	80
		Fitzpatrick WA	0.000	2	9.0	9.00	60	80
		Grand Teton NP	0.007	2	9.0	9.01	60	80
		Popo Agie WA	0.000	20	9.0	9.00	60	80
		Teton WA	0.001	2	9.0	9.00	60	80
		Washakie WA	0.000	2	9.0	9.00	60	80
		Wind River RA	0.000	20	9.0	9.00	60	80
		Yellowstone NP	0.001	2	9.0	9.00	60	80
SO ₂	24-hr	Bridger WA	0.10	5	43.0	43.10	260	365
		Fitzpatrick WA	0.01	5	43.0	43.01	260	365
		Grand Teton NP	0.04	5	43.0	43.04	260	365
		Popo Agie WA	0.02	91	43.0	43.02	260	365
		Teton WA	0.01	5	43.0	43.01	260	365
		Washakie WA	0.01	5	43.0	43.01	260	365
		Wind River RA	0.02	91	43.0	43.02	260	365
		Yellowstone NP	0.01	5	43.0	43.01	260	365
SO ₂	3-hr	Bridger WA	0.29	25	132.0	132.30	1,300	1,300
		Fitzpatrick WA	0.02	25	132.0	132.00	1,300	1,300
		Grand Teton NP	0.20	25	132.0	132.20	1,300	1,300
		Popo Agie WA	0.10	512	132.0	132.10	1,300	1,300
		Teton WA	0.04	25	132.0	132.00	1,300	1,300
		Washakie WA	0.02	25	132.0	132.00	1,300	1,300
		Wind River RA	0.12	512	132.0	132.10	1,300	1,300
		Yellowstone NP	0.07	25	132.0	132.10	1,300	1,300

Table F.2.20 Maximum Modeled Cumulative SO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative B (WDR150) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
SO ₂	Annual	Bridger WA	0.000	2	9.0	9.00	60	80
		Fitzpatrick WA	0.000	2	9.0	9.00	60	80
		Grand Teton NP	0.007	2	9.0	9.01	60	80
		Popo Agie WA	0.000	20	9.0	9.00	60	80
		Teton WA	0.001	2	9.0	9.00	60	80
		Washakie WA	0.000	2	9.0	9.00	60	80
		Wind River RA	0.000	20	9.0	9.00	60	80
		Yellowstone NP	0.001	2	9.0	9.00	60	80
		SO ₂	24-hr	Bridger WA	0.06	5	43.0	43.06
Fitzpatrick WA	0.01			5	43.0	43.01	260	365
Grand Teton NP	0.04			5	43.0	43.04	260	365
Popo Agie WA	0.01			91	43.0	43.02	260	365
Teton WA	0.01			5	43.0	43.01	260	365
Washakie WA	0.01			5	43.0	43.01	260	365
Wind River RA	0.01			91	43.0	43.01	260	365
Yellowstone NP	0.01			5	43.0	43.01	260	365
SO ₂	3-hr			Bridger WA	0.19	25	132.0	132.20
		Fitzpatrick WA	0.02	25	132.0	132.00	1,300	1,300
		Grand Teton NP	0.20	25	132.0	132.20	1,300	1,300
		Popo Agie WA	0.07	512	132.0	132.10	1,300	1,300
		Teton WA	0.04	25	132.0	132.00	1,300	1,300
		Washakie WA	0.02	25	132.0	132.00	1,300	1,300
		Wind River RA	0.11	512	132.0	132.10	1,300	1,300
		Yellowstone NP	0.07	25	132.0	132.10	1,300	1,300

Table F.2.21 Maximum Modeled Cumulative SO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative B (WDR75) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
SO ₂	Annual	Bridger WA	0.000	2	9.0	9.00	60	80
		Fitzpatrick WA	0.000	2	9.0	9.00	60	80
		Grand Teton NP	0.007	2	9.0	9.01	60	80
		Popo Agie WA	0.000	20	9.0	9.00	60	80
		Teton WA	0.001	2	9.0	9.00	60	80
		Washakie WA	0.000	2	9.0	9.00	60	80
		Wind River RA	0.000	20	9.0	9.00	60	80
		Yellowstone NP	0.001	2	9.0	9.00	60	80
SO ₂	24-hr	Bridger WA	0.04	5	43.0	43.04	260	365
		Fitzpatrick WA	0.01	5	43.0	43.01	260	365
		Grand Teton NP	0.04	5	43.0	43.04	260	365
		Popo Agie WA	0.01	91	43.0	43.01	260	365
		Teton WA	0.01	5	43.0	43.01	260	365
		Washakie WA	0.01	5	43.0	43.01	260	365
		Wind River RA	0.01	91	43.0	43.01	260	365
		Yellowstone NP	0.01	5	43.0	43.01	260	365
SO ₂	3-hr	Bridger WA	0.17	25	132.0	132.20	1,300	1,300
		Fitzpatrick WA	0.02	25	132.0	132.00	1,300	1,300
		Grand Teton NP	0.20	25	132.0	132.20	1,300	1,300
		Popo Agie WA	0.03	512	132.0	132.00	1,300	1,300
		Teton WA	0.04	25	132.0	132.00	1,300	1,300
		Washakie WA	0.02	25	132.0	132.00	1,300	1,300
		Wind River RA	0.11	512	132.0	132.10	1,300	1,300
		Yellowstone NP	0.07	25	132.0	132.10	1,300	1,300

Table F.2.22 Maximum Modeled Cumulative SO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative C (WDR250) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
SO ₂	Annual	Bridger WA	0.000	2	9.0	9.00	60	80
		Fitzpatrick WA	0.000	2	9.0	9.00	60	80
		Grand Teton NP	0.007	2	9.0	9.01	60	80
		Popo Agie WA	0.000	20	9.0	9.00	60	80
		Teton WA	0.001	2	9.0	9.00	60	80
		Washakie WA	0.000	2	9.0	9.00	60	80
		Wind River RA	0.000	20	9.0	9.00	60	80
		Yellowstone NP	0.001	2	9.0	9.00	60	80
		SO ₂	24-hr	Bridger WA	0.08	5	43.0	43.08
Fitzpatrick WA	0.01			5	43.0	43.01	260	365
Grand Teton NP	0.04			5	43.0	43.04	260	365
Popo Agie WA	0.01			91	43.0	43.01	260	365
Teton WA	0.01			5	43.0	43.01	260	365
Washakie WA	0.01			5	43.0	43.01	260	365
Wind River RA	0.01			91	43.0	43.01	260	365
Yellowstone NP	0.01			5	43.0	43.01	260	365
SO ₂	3-hr			Bridger WA	0.24	25	132.0	132.20
		Fitzpatrick WA	0.02	25	132.0	132.00	1,300	1,300
		Grand Teton NP	0.20	25	132.0	132.20	1,300	1,300
		Popo Agie WA	0.08	512	132.0	132.10	1,300	1,300
		Teton WA	0.04	25	132.0	132.00	1,300	1,300
		Washakie WA	0.02	25	132.0	132.00	1,300	1,300
		Wind River RA	0.12	512	132.0	132.10	1,300	1,300
		Yellowstone NP	0.07	25	132.0	132.10	1,300	1,300

Table F.2.23 Maximum Modeled Cumulative SO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative C (WDR150) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact	Applicable PSD Increment	Background Concentration	Total Concentration	WAAQS	NAAQS
			(µg/m ³)	(µg/m ³)	(µg/m ³)	(µg/m ³)	(µg/m ³)	(µg/m ³)
SO ₂	Annual	Bridger WA	0.000	2	9.0	9.00	60	80
		Fitzpatrick WA	0.000	2	9.0	9.00	60	80
		Grand Teton NP	0.007	2	9.0	9.01	60	80
		Popo Agie WA	0.000	20	9.0	9.00	60	80
		Teton WA	0.001	2	9.0	9.00	60	80
		Washakie WA	0.000	2	9.0	9.00	60	80
		Wind River RA	0.000	20	9.0	9.00	60	80
		Yellowstone NP	0.001	2	9.0	9.00	60	80
		SO ₂	24-hr	Bridger WA	0.05	5	43.0	43.05
Fitzpatrick WA	0.01			5	43.0	43.01	260	365
Grand Teton NP	0.04			5	43.0	43.04	260	365
Popo Agie WA	0.01			91	43.0	43.01	260	365
Teton WA	0.01			5	43.0	43.01	260	365
Washakie WA	0.01			5	43.0	43.01	260	365
Wind River RA	0.01			91	43.0	43.01	260	365
Yellowstone NP	0.01			5	43.0	43.01	260	365
SO ₂	3-hr			Bridger WA	0.17	25	132.0	132.20
		Fitzpatrick WA	0.02	25	132.0	132.00	1,300	1,300
		Grand Teton NP	0.20	25	132.0	132.20	1,300	1,300
		Popo Agie WA	0.06	512	132.0	132.10	1,300	1,300
		Teton WA	0.04	25	132.0	132.00	1,300	1,300
		Washakie WA	0.02	25	132.0	132.00	1,300	1,300
		Wind River RA	0.11	512	132.0	132.10	1,300	1,300
		Yellowstone NP	0.07	25	132.0	132.10	1,300	1,300

Table F.2.24 Maximum Modeled Cumulative SO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative C (WDR75) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
SO ₂	Annual	Bridger WA	0.000	2	9.0	9.00	60	80
		Fitzpatrick WA	0.000	2	9.0	9.00	60	80
		Grand Teton NP	0.007	2	9.0	9.01	60	80
		Popo Agie WA	0.000	20	9.0	9.00	60	80
		Teton WA	0.001	2	9.0	9.00	60	80
		Washakie WA	0.000	2	9.0	9.00	60	80
		Wind River RA	0.000	20	9.0	9.00	60	80
		Yellowstone NP	0.001	2	9.0	9.00	60	80
		SO ₂	24-hr	Bridger WA	0.04	5	43.0	43.04
Fitzpatrick WA	0.01			5	43.0	43.01	260	365
Grand Teton NP	0.04			5	43.0	43.04	260	365
Popo Agie WA	0.01			91	43.0	43.01	260	365
Teton WA	0.01			5	43.0	43.01	260	365
Washakie WA	0.01			5	43.0	43.01	260	365
Wind River RA	0.01			91	43.0	43.01	260	365
Yellowstone NP	0.01			5	43.0	43.01	260	365
SO ₂	3-hr			Bridger WA	0.17	25	132.0	132.20
		Fitzpatrick WA	0.02	25	132.0	132.00	1,300	1,300
		Grand Teton NP	0.20	25	132.0	132.20	1,300	1,300
		Popo Agie WA	0.03	512	132.0	132.00	1,300	1,300
		Teton WA	0.04	25	132.0	132.00	1,300	1,300
		Washakie WA	0.02	25	132.0	132.00	1,300	1,300
		Wind River RA	0.11	512	132.0	132.10	1,300	1,300
		Yellowstone NP	0.07	25	132.0	132.10	1,300	1,300

Table F.2.25 Maximum Modeled Cumulative SO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative F (WDR250) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct	Applicable	Background Concentration	Total Concentration	WAAQS	NAAQS
			Modeled Impact (µg/m ³)	PSD Increment (µg/m ³)				
SO ₂	Annual	Bridger WA	0.000	2	9.0	9.00	60	80
		Fitzpatrick WA	0.000	2	9.0	9.00	60	80
		Grand Teton NP	0.007	2	9.0	9.01	60	80
		Popo Agie WA	0.000	20	9.0	9.00	60	80
		Teton WA	0.001	2	9.0	9.00	60	80
		Washakie WA	0.000	2	9.0	9.00	60	80
		Wind River RA	0.000	20	9.0	9.00	60	80
		Yellowstone NP	0.001	2	9.0	9.00	60	80
		SO ₂	24-hr	Bridger WA	0.09	5	43.0	43.09
Fitzpatrick WA	0.01			5	43.0	43.01	260	365
Grand Teton NP	0.04			5	43.0	43.04	260	365
Popo Agie WA	0.02			91	43.0	43.02	260	365
Teton WA	0.01			5	43.0	43.01	260	365
Washakie WA	0.01			5	43.0	43.01	260	365
Wind River RA	0.01			91	43.0	43.01	260	365
Yellowstone NP	0.01			5	43.0	43.01	260	365
SO ₂	3-hr			Bridger WA	0.27	25	132.0	132.30
		Fitzpatrick WA	0.02	25	132.0	132.00	1,300	1,300
		Grand Teton NP	0.20	25	132.0	132.20	1,300	1,300
		Popo Agie WA	0.09	512	132.0	132.10	1,300	1,300
		Teton WA	0.04	25	132.0	132.00	1,300	1,300
		Washakie WA	0.02	25	132.0	132.00	1,300	1,300
		Wind River RA	0.12	512	132.0	132.10	1,300	1,300
		Yellowstone NP	0.07	25	132.0	132.10	1,300	1,300

Table F.2.26 Maximum Modeled Cumulative SO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative F (WDR150) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct	Applicable	Background Concentration	Total Concentration	WAAQS	NAAQS
			Modeled Impact (µg/m ³)	PSD Increment (µg/m ³)				
SO ₂	Annual	Bridger WA	0.000	2	9.0	9.00	60	80
		Fitzpatrick WA	0.000	2	9.0	9.00	60	80
		Grand Teton NP	0.007	2	9.0	9.01	60	80
		Popo Agie WA	0.000	20	9.0	9.00	60	80
		Teton WA	0.001	2	9.0	9.00	60	80
		Washakie WA	0.000	2	9.0	9.00	60	80
		Wind River RA	0.000	20	9.0	9.00	60	80
		Yellowstone NP	0.001	2	9.0	9.00	60	80
		SO ₂	24-hr	Bridger WA	0.06	5	43.0	43.06
Fitzpatrick WA	0.01			5	43.0	43.01	260	365
Grand Teton NP	0.04			5	43.0	43.04	260	365
Popo Agie WA	0.01			91	43.0	43.01	260	365
Teton WA	0.01			5	43.0	43.01	260	365
Washakie WA	0.01			5	43.0	43.01	260	365
Wind River RA	0.01			91	43.0	43.01	260	365
Yellowstone NP	0.01			5	43.0	43.01	260	365
SO ₂	3-hr			Bridger WA	0.17	25	132.0	132.20
		Fitzpatrick WA	0.02	25	132.0	132.00	1,300	1,300
		Grand Teton NP	0.20	25	132.0	132.20	1,300	1,300
		Popo Agie WA	0.06	512	132.0	132.10	1,300	1,300
		Teton WA	0.04	25	132.0	132.00	1,300	1,300
		Washakie WA	0.02	25	132.0	132.00	1,300	1,300
		Wind River RA	0.11	512	132.0	132.10	1,300	1,300
		Yellowstone NP	0.07	25	132.0	132.10	1,300	1,300

Table F.2.27 Maximum Modeled Cumulative SO₂ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative F (WDR75) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
SO ₂	Annual	Bridger WA	0.000	2	9.0	9.00	60	80
		Fitzpatrick WA	0.000	2	9.0	9.00	60	80
		Grand Teton NP	0.007	2	9.0	9.01	60	80
		Popo Agie WA	0.000	20	9.0	9.00	60	80
		Teton WA	0.001	2	9.0	9.00	60	80
		Washakie WA	0.000	2	9.0	9.00	60	80
		Wind River RA	0.000	20	9.0	9.00	60	80
		Yellowstone NP	0.001	2	9.0	9.00	60	80
		SO ₂	24-hr	Bridger WA	0.04	5	43.0	43.04
Fitzpatrick WA	0.01			5	43.0	43.01	260	365
Grand Teton NP	0.04			5	43.0	43.04	260	365
Popo Agie WA	0.01			91	43.0	43.01	260	365
Teton WA	0.01			5	43.0	43.01	260	365
Washakie WA	0.01			5	43.0	43.01	260	365
Wind River RA	0.01			91	43.0	43.01	260	365
Yellowstone NP	0.01			5	43.0	43.01	260	365
SO ₂	3-hr			Bridger WA	0.17	25	132.0	132.20
		Fitzpatrick WA	0.02	25	132.0	132.00	1,300	1,300
		Grand Teton NP	0.20	25	132.0	132.20	1,300	1,300
		Popo Agie WA	0.03	512	132.0	132.00	1,300	1,300
		Teton WA	0.04	25	132.0	132.00	1,300	1,300
		Washakie WA	0.02	25	132.0	132.00	1,300	1,300
		Wind River RA	0.11	512	132.0	132.10	1,300	1,300
		Yellowstone NP	0.07	25	132.0	132.10	1,300	1,300

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Table F.3.1 Maximum Modeled PM₁₀ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Maximum Production Proposed Action Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD		Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS NAAQS (µg/m ³)
				Significance Level (µg/m ³)	Increment (µg/m ³)			
PM ₁₀	Annual	Bridger WA	0.030	0.2 ¹	4	16.0	16.03	50
		Fitzpatrick WA	0.003	0.2 ¹	4	16.0	16.00	50
		Grand Teton NP	0.001	0.2 ¹	4	16.0	16.00	50
		Popo Agie WA	0.008	1.0	17	16.0	16.01	50
		Teton WA	0.001	0.2 ¹	4	16.0	16.00	50
		Washakie WA	0.001	0.2 ¹	4	16.0	16.00	50
		Wind River RA	0.006	1.0	17	16.0	16.01	50
		Yellowstone NP	0.000	0.2 ¹	4	16.0	16.00	50
PM ₁₀	2- hr	Bridger WA	0.750	0.3 ¹	8	33.0	33.70	150
		Fitzpatrick WA	0.070	0.3 ¹	8	33.0	33.10	150
		Grand Teton NP	0.030	0.3 ¹	8	33.0	33.00	150
		Popo Agie WA	0.150	5.0	30	33.0	33.10	150
		Teton WA	0.020	0.3 ¹	8	33.0	33.00	150
		Washakie WA	0.030	0.3 ¹	8	33.0	33.00	150
		Wind River RA	0.120	5.0	30	33.0	33.10	150
		Yellowstone NP	0.010	0.3 ¹	8	33.0	33.00	150

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

Table F.3.2 Maximum Modeled PM₁₀ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative A Sources (WDR250)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD		Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS NAAQS (µg/m ³)
				Significance Level (µg/m ³)	Increment (µg/m ³)			
PM ₁₀	Annual	Bridger WA	0.063	0.2 ¹	4	16.0	16.06	50
		Fitzpatrick WA	0.006	0.2 ¹	4	16.0	16.01	50
		Grand Teton NP	0.003	0.2 ¹	4	16.0	16.00	50
		Popo Agie WA	0.018	1.0	17	16.0	16.02	50
		Teton WA	0.002	0.2 ¹	4	16.0	16.00	50
		Washakie WA	0.002	0.2 ¹	4	16.0	16.00	50
		Wind River RA	0.013	1.0	17	16.0	16.01	50
		Yellowstone NP	0.001	0.2 ¹	4	16.0	16.00	50
PM ₁₀	24-hr	Bridger WA	1.660	0.3 ¹	8	33.0	34.70	150
		Fitzpatrick WA	0.180	0.3 ¹	8	33.0	33.20	150
		Grand Teton NP	0.090	0.3 ¹	8	33.0	33.10	150
		Popo Agie WA	0.260	5.0	30	33.0	33.30	150
		Teton WA	0.040	0.3 ¹	8	33.0	33.00	150
		Washakie WA	0.080	0.3 ¹	8	33.0	33.10	150
		Wind River RA	0.190	5.0	30	33.0	33.20	150
		Yellowstone NP	0.040	0.3 ¹	8	33.0	33.00	150

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

Table F.3.3 Maximum Modeled PM₁₀ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative A Sources (WDR150)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD		Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS	NAAQS (µg/m ³)
				Significance Level (µg/m ³)	Increment (µg/m ³)				
PM ₁₀	Annual	Bridger WA	0.050	0.2 ¹	4	16.0	16.05	50	50
		Fitzpatrick WA	0.005	0.2 ¹	4	16.0	16.00	50	50
		Grand Teton NP	0.002	0.2 ¹	4	16.0	16.00	50	50
		Popo Agie WA	0.014	1.0	17	16.0	16.01	50	50
		Teton WA	0.001	0.2 ¹	4	16.0	16.00	50	50
		Washakie WA	0.002	0.2 ¹	4	16.0	16.00	50	50
		Wind River RA	0.010	1.0	17	16.0	16.01	50	50
		Yellowstone NP	0.001	0.2 ¹	4	16.0	16.00	50	50
PM ₁₀	24-hr	Bridger WA	1.280	0.3 ¹	8	33.0	34.30	150	150
		Fitzpatrick WA	0.140	0.3 ¹	8	33.0	33.10	150	150
		Grand Teton NP	0.070	0.3 ¹	8	33.0	33.10	150	150
		Popo Agie WA	0.210	5.0	30	33.0	33.20	150	150
		Teton WA	0.030	0.3 ¹	8	33.0	33.00	150	150
		Washakie WA	0.060	0.3 ¹	8	33.0	33.10	150	150
		Wind River RA	0.160	5.0	30	33.0	33.20	150	150
		Yellowstone NP	0.030	0.3 ¹	8	33.0	33.00	150	150

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

Table F.3.4 Maximum Modeled PM₁₀ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative A Sources (WDR75)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD		Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS	NAAQS (µg/m ³)
				Significance Level (µg/m ³)	Applicable PSD Increment (µg/m ³)				
PM ₁₀	Annual	Bridger WA	0.039	0.2 ¹	4	16.0	16.04	50	50
		Fitzpatrick WA	0.004	0.2 ¹	4	16.0	16.00	50	50
		Grand Teton NP	0.001	0.2 ¹	4	16.0	16.00	50	50
		Popo Agie WA	0.011	1.0	17	16.0	16.01	50	50
		Teton WA	0.001	0.2 ¹	4	16.0	16.00	50	50
		Washakie WA	0.001	0.2 ¹	4	16.0	16.00	50	50
		Wind River RA	0.008	1.0	17	16.0	16.01	50	50
		Yellowstone NP	0.001	0.2 ¹	4	16.0	16.00	50	50
PM ₁₀	24-hr	Bridger WA	1.000	0.3 ¹	8	33.0	34.00	150	150
		Fitzpatrick WA	0.100	0.3 ¹	8	33.0	33.10	150	150
		Grand Teton NP	0.050	0.3 ¹	8	33.0	33.00	150	150
		Popo Agie WA	0.180	5.0	30	33.0	33.20	150	150
		Teton WA	0.030	0.3 ¹	8	33.0	33.00	150	150
		Washakie WA	0.040	0.3 ¹	8	33.0	33.00	150	150
		Wind River RA	0.140	5.0	30	33.0	33.10	150	150
		Yellowstone NP	0.020	0.3 ¹	8	33.0	33.00	150	150

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

Table F.3.5 Maximum Modeled PM₁₀ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative B Sources (WDR250)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD		Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS	NAAQS (µg/m ³)
				Significance Level (µg/m ³)	Increment (µg/m ³)				
PM ₁₀	Annual	Bridger WA	0.068	0.2 ¹	4	16.0	16.07	50	50
		Fitzpatrick WA	0.007	0.2 ¹	4	16.0	16.01	50	50
		Grand Teton NP	0.003	0.2 ¹	4	16.0	16.00	50	50
		Popo Agie WA	0.020	1.0	17	16.0	16.02	50	50
		Teton WA	0.002	0.2 ¹	4	16.0	16.00	50	50
		Washakie WA	0.002	0.2 ¹	4	16.0	16.00	50	50
		Wind River RA	0.014	1.0	17	16.0	16.01	50	50
		Yellowstone NP	0.001	0.2 ¹	4	16.0	16.00	50	50
PM ₁₀	24-hr	Bridger WA	1.700	0.3 ¹	8	33.0	34.70	150	150
		Fitzpatrick WA	0.200	0.3 ¹	8	33.0	33.20	150	150
		Grand Teton NP	0.100	0.3 ¹	8	33.0	33.10	150	150
		Popo Agie WA	0.240	5.0	30	33.0	33.20	150	150
		Teton WA	0.050	0.3 ¹	8	33.0	33.00	150	150
		Washakie WA	0.080	0.3 ¹	8	33.0	33.10	150	150
		Wind River RA	0.190	5.0	30	33.0	33.20	150	150
		Yellowstone NP	0.050	0.3 ¹	8	33.0	33.00	150	150

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

Table F.3.6 Maximum Modeled PM₁₀ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative B Sources (WDR150)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD		Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS	NAAQS (µg/m ³)
				Significance Level (µg/m ³)	Increment (µg/m ³)				
PM ₁₀	Annual	Bridger WA	0.053	0.2 ¹	4	16.0	16.05	50	50
		Fitzpatrick WA	0.005	0.2 ¹	4	16.0	16.01	50	50
		Grand Teton NP	0.002	0.2 ¹	4	16.0	16.00	50	50
		Popo Agie WA	0.015	1.0	17	16.0	16.01	50	50
		Teton WA	0.001	0.2 ¹	4	16.0	16.00	50	50
		Washakie WA	0.002	0.2 ¹	4	16.0	16.00	50	50
		Wind River RA	0.011	1.0	17	16.0	16.01	50	50
		Yellowstone NP	0.001	0.2 ¹	4	16.0	16.00	50	50
PM ₁₀	24-hr	Bridger WA	1.310	0.3 ¹	8	33.0	34.30	150	150
		Fitzpatrick WA	0.150	0.3 ¹	8	33.0	33.10	150	150
		Grand Teton NP	0.080	0.3 ¹	8	33.0	33.10	150	150
		Popo Agie WA	0.200	5.0	30	33.0	33.20	150	150
		Teton WA	0.030	0.3 ¹	8	33.0	33.00	150	150
		Washakie WA	0.060	0.3 ¹	8	33.0	33.10	150	150
		Wind River RA	0.160	5.0	30	33.0	33.20	150	150
		Yellowstone NP	0.030	0.3 ¹	8	33.0	33.00	150	150

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

Table F.3.7 Maximum Modeled PM₁₀ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative B Sources (WDR75)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD		Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS NAAQS (µg/m ³)
				Significance Level (µg/m ³)	Applicable PSD Increment (µg/m ³)			
PM ₁₀	Annual	Bridger WA	0.041	0.2 ¹	4	16.0	16.04	50
		Fitzpatrick WA	0.004	0.2 ¹	4	16.0	16.00	50
		Grand Teton NP	0.002	0.2 ¹	4	16.0	16.00	50
		Popo Agie WA	0.011	1.0	17	16.0	16.01	50
		Teton WA	0.001	0.2 ¹	4	16.0	16.00	50
		Washakie WA	0.001	0.2 ¹	4	16.0	16.00	50
		Wind River RA	0.008	1.0	17	16.0	16.01	50
		Yellowstone NP	0.001	0.2 ¹	4	16.0	16.00	50
PM ₁₀	24-hr	Bridger WA	0.990	0.3 ¹	8	33.0	34.00	150
		Fitzpatrick WA	0.110	0.3 ¹	8	33.0	33.10	150
		Grand Teton NP	0.050	0.3 ¹	8	33.0	33.10	150
		Popo Agie WA	0.170	5.0	30	33.0	33.20	150
		Teton WA	0.030	0.3 ¹	8	33.0	33.00	150
		Washakie WA	0.040	0.3 ¹	8	33.0	33.00	150
		Wind River RA	0.140	5.0	30	33.0	33.10	150
		Yellowstone NP	0.020	0.3 ¹	8	33.0	33.00	150

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

Table F.3.8 Maximum Modeled PM₁₀ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative C Sources (WDR250)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Significance Level (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS	NAAQS (µg/m ³)
PM ₁₀	Annual	Bridger WA	0.046	0.2 ¹	4	16.0	16.05	50	50
		Fitzpatrick WA	0.005	0.2 ¹	4	16.0	16.00	50	50
		Grand Teton NP	0.002	0.2 ¹	4	16.0	16.00	50	50
		Popo Agie WA	0.014	1.0	17	16.0	16.01	50	50
		Teton WA	0.001	0.2 ¹	4	16.0	16.00	50	50
		Washakie WA	0.002	0.2 ¹	4	16.0	16.00	50	50
		Wind River RA	0.009	1.0	17	16.0	16.01	50	50
		Yellowstone NP	0.001	0.2 ¹	4	16.0	16.00	50	50
PM ₁₀	24 hr	Bridger WA	1.240	0.3 ¹	8	33.0	34.20	150	150
		Fitzpatrick WA	0.140	0.3 ¹	8	33.0	33.10	150	150
		Grand Teton NP	0.080	0.3 ¹	8	33.0	33.10	150	150
		Popo Agie WA	0.170	5.0	30	33.0	33.20	150	150
		Teton WA	0.040	0.3 ¹	8	33.0	33.00	150	150
		Washakie WA	0.060	0.3 ¹	8	33.0	33.10	150	150
		Wind River RA	0.130	5.0	30	33.0	33.10	150	150
		Yellowstone NP	0.040	0.3 ¹	8	33.0	33.00	150	150

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

Table F.3.9 Maximum Modeled PM₁₀ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative C Sources (WDR150)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD		Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS	NAAQS (µg/m ³)
				Significance Level (µg/m ³)	Increment (µg/m ³)				
PM ₁₀	Annual	Bridger WA	0.033	0.2 ¹	4	16.0	16.03	50	50
		Fitzpatrick WA	0.003	0.2 ¹	4	16.0	16.00	50	50
		Grand Teton NP	0.002	0.2 ¹	4	16.0	16.00	50	50
		Popo Agie WA	0.010	1.0	17	16.0	16.01	50	50
		Teton WA	0.001	0.2 ¹	4	16.0	16.00	50	50
		Washakie WA	0.001	0.2 ¹	4	16.0	16.00	50	50
		Wind River RA	0.007	1.0	17	16.0	16.01	50	50
		Yellowstone NP	0.001	0.2 ¹	4	16.0	16.00	50	50
PM ₁₀	24-hr	Bridger WA	0.870	0.3 ¹	8	33.0	33.90	150	150
		Fitzpatrick WA	0.100	0.3 ¹	8	33.0	33.10	150	150
		Grand Teton NP	0.050	0.3 ¹	8	33.0	33.10	150	150
		Popo Agie WA	0.130	5.0	30	33.0	33.10	150	150
		Teton WA	0.020	0.3 ¹	8	33.0	33.00	150	150
		Washakie WA	0.040	0.3 ¹	8	33.0	33.00	150	150
		Wind River RA	0.090	5.0	30	33.0	33.10	150	150
		Yellowstone NP	0.030	0.3 ¹	8	33.0	33.00	150	150

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

Table F.3.10 Maximum Modeled PM₁₀ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative C Sources (WDR75)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD		Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS NAAQS (µg/m ³)
				Significance Level (µg/m ³)	Increment (µg/m ³)			
PM ₁₀	Annual	Bridger WA	0.022	0.2 ¹	4	16.0	16.02	50
		Fitzpatrick WA	0.002	0.2 ¹	4	16.0	16.00	50
		Grand Teton NP	0.001	0.2 ¹	4	16.0	16.00	50
		Popo Agie WA	0.007	1.0	17	16.0	16.01	50
		Teton WA	0.001	0.2 ¹	4	16.0	16.00	50
		Washakie WA	0.001	0.2 ¹	4	16.0	16.00	50
		Wind River RA	0.005	1.0	17	16.0	16.00	50
		Yellowstone NP	0.000	0.2 ¹	4	16.0	16.00	50
PM ₁₀	24-hr	Bridger WA	0.590	0.3 ¹	8	33.0	33.60	150
		Fitzpatrick WA	0.060	0.3 ¹	8	33.0	33.10	150
		Grand Teton NP	0.030	0.3 ¹	8	33.0	33.00	150
		Popo Agie WA	0.090	5.0	30	33.0	33.10	150
		Teton WA	0.020	0.3 ¹	8	33.0	33.00	150
		Washakie WA	0.030	0.3 ¹	8	33.0	33.00	150
		Wind River RA	0.070	5.0	30	33.0	33.10	150
		Yellowstone NP	0.020	0.3 ¹	8	33.0	33.00	150

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

Table F.3.11 Maximum Modeled PM₁₀ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative F Sources (WDR250)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD		Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS NAAQS (µg/m ³)
				Significance Level (µg/m ³)	Increment (µg/m ³)			
PM ₁₀	Annual	Bridger WA	0.064	0.2 ¹	4	16.0	16.06	50
		Fitzpatrick WA	0.006	0.2 ¹	4	16.0	16.01	50
		Grand Teton NP	0.003	0.2 ¹	4	16.0	16.00	50
		Popo Agie WA	0.018	1.0	17	16.0	16.02	50
		Teton WA	0.002	0.2 ¹	4	16.0	16.00	50
		Washakie WA	0.002	0.2 ¹	4	16.0	16.00	50
		Wind River RA	0.013	1.0	17	16.0	16.01	50
		Yellowstone NP	0.001	0.2 ¹	4	16.0	16.00	50
PM ₁₀	24-hr	Bridger WA	1.650	0.3 ¹	8	33.0	34.70	150
		Fitzpatrick WA	0.190	0.3 ¹	8	33.0	33.20	150
		Grand Teton NP	0.100	0.3 ¹	8	33.0	33.10	150
		Popo Agie WA	0.250	5.0	30	33.0	33.20	150
		Teton WA	0.040	0.3 ¹	8	33.0	33.00	150
		Washakie WA	0.080	0.3 ¹	8	33.0	33.10	150
		Wind River RA	0.190	5.0	30	33.0	33.20	150
		Yellowstone NP	0.040	0.3 ¹	8	33.0	33.00	150

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

Table F.3.12 Maximum Modeled PM₁₀ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative F Sources (WDR150)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD		Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS NAAQS (µg/m ³)
				Significance Level (µg/m ³)	Increment (µg/m ³)			
PM ₁₀	Annual	Bridger WA	0.051	0.2 ¹	4	16.0	16.05	50
		Fitzpatrick WA	0.005	0.2 ¹	4	16.0	16.01	50
		Grand Teton NP	0.002	0.2 ¹	4	16.0	16.00	50
		Popo Agie WA	0.014	1.0	17	16.0	16.01	50
		Teton WA	0.001	0.2 ¹	4	16.0	16.00	50
		Washakie WA	0.002	0.2 ¹	4	16.0	16.00	50
		Wind River RA	0.010	1.0	17	16.0	16.01	50
		Yellowstone NP	0.001	0.2 ¹	4	16.0	16.00	50
PM ₁₀	24-hr	Bridger WA	1.310	0.3 ¹	8	33.0	34.30	150
		Fitzpatrick WA	0.140	0.3 ¹	8	33.0	33.10	150
		Grand Teton NP	0.070	0.3 ¹	8	33.0	33.10	150
		Popo Agie WA	0.210	5.0	30	33.0	33.20	150
		Teton WA	0.030	0.3 ¹	8	33.0	33.00	150
		Washakie WA	0.060	0.3 ¹	8	33.0	33.10	150
		Wind River RA	0.160	5.0	30	33.0	33.20	150
		Yellowstone NP	0.030	0.3 ¹	8	33.0	33.00	150

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

Table F.3.13 Maximum Modeled PM₁₀ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative F Sources (WDR75)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD		Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS NAAQS (µg/m ³)
				Significance Level (µg/m ³)	Increment (µg/m ³)			
PM ₁₀	Annual	Bridger WA	0.041	0.2 ¹	4	16.0	16.04	50
		Fitzpatrick WA	0.004	0.2 ¹	4	16.0	16.00	50
		Grand Teton NP	0.002	0.2 ¹	4	16.0	16.00	50
		Popo Agie WA	0.011	1.0	17	16.0	16.01	50
		Teton WA	0.001	0.2 ¹	4	16.0	16.00	50
		Washakie WA	0.001	0.2 ¹	4	16.0	16.00	50
		Wind River RA	0.008	1.0	17	16.0	16.01	50
		Yellowstone NP	0.001	0.2 ¹	4	16.0	16.00	50
PM ₁₀	24-hr	Bridger WA	1.040	0.3 ¹	8	33.0	34.00	150
		Fitzpatrick WA	0.110	0.3 ¹	8	33.0	33.10	150
		Grand Teton NP	0.050	0.3 ¹	8	33.0	33.10	150
		Popo Agie WA	0.180	5.0	30	33.0	33.20	150
		Teton WA	0.030	0.3 ¹	8	33.0	33.00	150
		Washakie WA	0.040	0.3 ¹	8	33.0	33.00	150
		Wind River RA	0.140	5.0	30	33.0	33.10	150
		Yellowstone NP	0.020	0.3 ¹	8	33.0	33.00	150

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

Table F.3.14 Maximum Modeled Cumulative PM₁₀ Concentration 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 (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
PM ₁₀	Annual	Bridger WA	0.018	4	16.0	16.02	50	50
		Fitzpatrick WA	0.005	4	16.0	16.00	50	50
		Grand Teton NP	0.012	4	16.0	16.01	50	50
		Popo Agie WA	0.008	17	16.0	16.01	50	50
		Teton WA	0.005	4	16.0	16.00	50	50
		Washakie WA	0.003	4	16.0	16.00	50	50
		Wind River RA	0.009	17	16.0	16.01	50	50
		Yellowstone NP	0.004	4	16.0	16.00	50	50
		PM ₁₀	2- hr	Bridger WA	0.464	8	33.0	33.46
Fitzpatrick WA	0.130			8	33.0	33.13	150	150
Grand Teton NP	0.122			8	33.0	33.12	150	150
Popo Agie WA	0.137			30	33.0	33.14	150	150
Teton WA	0.040			8	33.0	33.04	150	150
Washakie WA	0.043			8	33.0	33.04	150	150
Wind River RA	0.206			30	33.0	33.21	150	150
Yellowstone NP	0.045			8	33.0	33.05	150	150

Table F.3.15 Maximum Modeled Cumulative PM₁₀ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Maximum Production Proposed Action and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
PM ₁₀	Annual	Bridger WA	0.047	4	16.0	16.05	50	50
		Fitzpatrick WA	0.008	4	16.0	16.01	50	50
		Grand Teton NP	0.013	4	16.0	16.01	50	50
		Popo Agie WA	0.015	17	16.0	16.01	50	50
		Teton WA	0.006	4	16.0	16.01	50	50
		Washakie WA	0.004	4	16.0	16.00	50	50
		Wind River RA	0.014	17	16.0	16.01	50	50
		Yellowstone NP	0.004	4	16.0	16.00	50	50
PM ₁₀	2- hr	Bridger WA	0.912	8	33.0	33.91	150	150
		Fitzpatrick WA	0.151	8	33.0	33.15	150	150
		Grand Teton NP	0.126	8	33.0	33.13	150	150
		Popo Agie WA	0.203	30	33.0	33.20	150	150
		Teton WA	0.052	8	33.0	33.05	150	150
		Washakie WA	0.049	8	33.0	33.05	150	150
		Wind River RA	0.227	30	33.0	33.23	150	150
		Yellowstone NP	0.049	8	33.0	33.05	150	150

Table F.3.16 Maximum Modeled Cumulative PM₁₀ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative A (WDR250) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
PM ₁₀	Annual	Bridger WA	0.081	4	16.0	16.08	50	50
		Fitzpatrick WA	0.011	4	16.0	16.01	50	50
		Grand Teton NP	0.015	4	16.0	16.02	50	50
		Popo Agie WA	0.024	17	16.0	16.02	50	50
		Teton WA	0.007	4	16.0	16.01	50	50
		Washakie WA	0.005	4	16.0	16.00	50	50
		Wind River RA	0.021	17	16.0	16.02	50	50
		Yellowstone NP	0.005	4	16.0	16.00	50	50
		PM ₁₀	2-hr	Bridger WA	1.825	8	33.0	34.82
Fitzpatrick WA	0.204			8	33.0	33.20	150	150
Grand Teton NP	0.138			8	33.0	33.14	150	150
Popo Agie WA	0.314			30	33.0	33.31	150	150
Teton WA	0.079			8	33.0	33.08	150	150
Washakie WA	0.092			8	33.0	33.09	150	150
Wind River RA	0.292			30	33.0	33.29	150	150
Yellowstone NP	0.063			8	33.0	33.06	150	150

Table F.3.17 Maximum Modeled Cumulative PM₁₀ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative A (WDR150) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
PM ₁₀	Annual	Bridger WA	0.067	4	16.0	16.07	50	50
		Fitzpatrick WA	0.010	4	16.0	16.01	50	50
		Grand Teton NP	0.014	4	16.0	16.01	50	50
		Popo Agie WA	0.020	17	16.0	16.02	50	50
		Teton WA	0.006	4	16.0	16.01	50	50
		Washakie WA	0.004	4	16.0	16.00	50	50
		Wind River RA	0.018	17	16.0	16.02	50	50
		Yellowstone NP	0.005	4	16.0	16.00	50	50
		PM ₁₀	2-hr	Bridger WA	1.451	8	33.0	34.45
Fitzpatrick WA	0.174			8	33.0	33.17	150	150
Grand Teton NP	0.133			8	33.0	33.13	150	150
Popo Agie WA	0.269			30	33.0	33.27	150	150
Teton WA	0.068			8	33.0	33.07	150	150
Washakie WA	0.073			8	33.0	33.07	150	150
Wind River RA	0.268			30	33.0	33.27	150	150
Yellowstone NP	0.057			8	33.0	33.06	150	150

Table F.3.18 Maximum Modeled Cumulative PM₁₀ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative A (WDR75) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
PM ₁₀	Annual	Bridger WA	0.057	4	16.0	16.06	50	50
		Fitzpatrick WA	0.009	4	16.0	16.01	50	50
		Grand Teton NP	0.014	4	16.0	16.01	50	50
		Popo Agie WA	0.017	17	16.0	16.02	50	50
		Teton WA	0.006	4	16.0	16.01	50	50
		Washakie WA	0.004	4	16.0	16.00	50	50
		Wind River RA	0.016	17	16.0	16.02	50	50
		Yellowstone NP	0.004	4	16.0	16.00	50	50
		PM ₁₀	2- hr	Bridger WA	1.156	8	33.0	34.16
Fitzpatrick WA	0.163			8	33.0	33.16	150	150
Grand Teton NP	0.129			8	33.0	33.13	150	150
Popo Agie WA	0.236			30	33.0	33.24	150	150
Teton WA	0.061			8	33.0	33.06	150	150
Washakie WA	0.060			8	33.0	33.06	150	150
Wind River RA	0.247			30	33.0	33.25	150	150
Yellowstone NP	0.052			8	33.0	33.05	150	150

Table F.3.19 Maximum Modeled Cumulative PM₁₀ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative B (WDR250) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
PM ₁₀	Annual	Bridger WA	0.086	4	16.0	16.09	50	50
		Fitzpatrick WA	0.012	4	16.0	16.01	50	50
		Grand Teton NP	0.015	4	16.0	16.02	50	50
		Popo Agie WA	0.026	17	16.0	16.03	50	50
		Teton WA	0.007	4	16.0	16.01	50	50
		Washakie WA	0.005	4	16.0	16.01	50	50
		Wind River RA	0.022	17	16.0	16.02	50	50
		Yellowstone NP	0.005	4	16.0	16.00	50	50
		PM ₁₀	2- hr	Bridger WA	1.870	8	33.0	34.87
Fitzpatrick WA	0.221			8	33.0	33.22	150	150
Grand Teton NP	0.149			8	33.0	33.15	150	150
Popo Agie WA	0.299			30	33.0	33.30	150	150
Teton WA	0.084			8	33.0	33.08	150	150
Washakie WA	0.100			8	33.0	33.10	150	150
Wind River RA	0.301			30	33.0	33.30	150	150
Yellowstone NP	0.065			8	33.0	33.07	150	150

Table F.3.20 Maximum Modeled Cumulative PM₁₀ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative B (WDR150) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
PM ₁₀	Annual	Bridger WA	0.071	4	16.0	16.07	50	50
		Fitzpatrick WA	0.010	4	16.0	16.01	50	50
		Grand Teton NP	0.015	4	16.0	16.01	50	50
		Popo Agie WA	0.021	17	16.0	16.02	50	50
		Teton WA	0.006	4	16.0	16.01	50	50
		Washakie WA	0.005	4	16.0	16.00	50	50
		Wind River RA	0.019	17	16.0	16.02	50	50
		Yellowstone NP	0.005	4	16.0	16.00	50	50
		PM ₁₀	2-hr	Bridger WA	1.480	8	33.0	34.48
Fitzpatrick WA	0.178			8	33.0	33.18	150	150
Grand Teton NP	0.133			8	33.0	33.13	150	150
Popo Agie WA	0.261			30	33.0	33.26	150	150
Teton WA	0.071			8	33.0	33.07	150	150
Washakie WA	0.078			8	33.0	33.08	150	150
Wind River RA	0.273			30	33.0	33.27	150	150
Yellowstone NP	0.059			8	33.0	33.06	150	150

Table F.3.21 Maximum Modeled Cumulative PM₁₀ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative B (WDR75) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
PM ₁₀	Annual	Bridger WA	0.058	4	16.0	16.06	50	50
		Fitzpatrick WA	0.009	4	16.0	16.01	50	50
		Grand Teton NP	0.014	4	16.0	16.01	50	50
		Popo Agie WA	0.018	17	16.0	16.02	50	50
		Teton WA	0.006	4	16.0	16.01	50	50
		Washakie WA	0.004	4	16.0	16.00	50	50
		Wind River RA	0.016	17	16.0	16.02	50	50
		Yellowstone NP	0.004	4	16.0	16.00	50	50
PM ₁₀	2- hr	Bridger WA	1.155	8	33.0	34.16	150	150
		Fitzpatrick WA	0.164	8	33.0	33.16	150	150
		Grand Teton NP	0.129	8	33.0	33.13	150	150
		Popo Agie WA	0.229	30	33.0	33.23	150	150
		Teton WA	0.062	8	33.0	33.06	150	150
		Washakie WA	0.062	8	33.0	33.06	150	150
		Wind River RA	0.250	30	33.0	33.25	150	150
		Yellowstone NP	0.053	8	33.0	33.05	150	150

Table F.3.22 Maximum Modeled Cumulative PM₁₀ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative C (WDR250) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
PM ₁₀	Annual	Bridger WA	0.063	4	16.0	16.06	50	50
		Fitzpatrick WA	0.010	4	16.0	16.01	50	50
		Grand Teton NP	0.015	4	16.0	16.01	50	50
		Popo Agie WA	0.020	17	16.0	16.02	50	50
		Teton WA	0.006	4	16.0	16.01	50	50
		Washakie WA	0.005	4	16.0	16.00	50	50
		Wind River RA	0.017	17	16.0	16.02	50	50
		Yellowstone NP	0.005	4	16.0	16.00	50	50
		PM ₁₀	2- hr	Bridger WA	1.402	8	33.0	34.40
Fitzpatrick WA	0.181			8	33.0	33.18	150	150
Grand Teton NP	0.136			8	33.0	33.14	150	150
Popo Agie WA	0.230			30	33.0	33.23	150	150
Teton WA	0.073			8	33.0	33.07	150	150
Washakie WA	0.079			8	33.0	33.08	150	150
Wind River RA	0.280			30	33.0	33.28	150	150
Yellowstone NP	0.060			8	33.0	33.06	150	150

Table F.3.23 Maximum Modeled Cumulative PM₁₀ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative C (WDR150) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
PM ₁₀	Annual	Bridger WA	0.050	4	16.0	16.05	50	50
		Fitzpatrick WA	0.008	4	16.0	16.01	50	50
		Grand Teton NP	0.014	4	16.0	16.01	50	50
		Popo Agie WA	0.016	17	16.0	16.02	50	50
		Teton WA	0.006	4	16.0	16.01	50	50
		Washakie WA	0.004	4	16.0	16.00	50	50
		Wind River RA	0.015	17	16.0	16.01	50	50
		Yellowstone NP	0.004	4	16.0	16.00	50	50
		PM ₁₀	2- hr	Bridger WA	1.034	8	33.0	34.03
Fitzpatrick WA	0.167			8	33.0	33.17	150	150
Grand Teton NP	0.132			8	33.0	33.13	150	150
Popo Agie WA	0.201			30	33.0	33.20	150	150
Teton WA	0.062			8	33.0	33.06	150	150
Washakie WA	0.064			8	33.0	33.06	150	150
Wind River RA	0.256			30	33.0	33.26	150	150
Yellowstone NP	0.054			8	33.0	33.05	150	150

Table F.3.24 Maximum Modeled Cumulative PM₁₀ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative C (WDR75) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
PM ₁₀	Annual	Bridger WA	0.040	4	16.0	16.04	50	50
		Fitzpatrick WA	0.007	4	16.0	16.01	50	50
		Grand Teton NP	0.013	4	16.0	16.01	50	50
		Popo Agie WA	0.013	17	16.0	16.01	50	50
		Teton WA	0.006	4	16.0	16.01	50	50
		Washakie WA	0.004	4	16.0	16.00	50	50
		Wind River RA	0.013	17	16.0	16.01	50	50
		Yellowstone NP	0.004	4	16.0	16.00	50	50
		PM ₁₀	2-hr	Bridger WA	0.747	8	33.0	33.75
Fitzpatrick WA	0.155			8	33.0	33.16	150	150
Grand Teton NP	0.129			8	33.0	33.13	150	150
Popo Agie WA	0.178			30	33.0	33.18	150	150
Teton WA	0.054			8	33.0	33.05	150	150
Washakie WA	0.053			8	33.0	33.05	150	150
Wind River RA	0.235			30	33.0	33.24	150	150
Yellowstone NP	0.050			8	33.0	33.05	150	150

Table F.3.25 Maximum Modeled Cumulative PM₁₀ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative F (WDR250) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)		
PM ₁₀	Annual	Bridger WA	0.081	4	16.0	16.08	50	50		
		Fitzpatrick WA	0.011	4	16.0	16.01	50	50		
		Grand Teton NP	0.015	4	16.0	16.02	50	50		
		Popo Agie WA	0.024	17	16.0	16.02	50	50		
		Teton WA	0.007	4	16.0	16.01	50	50		
		Washakie WA	0.005	4	16.0	16.00	50	50		
		Wind River RA	0.021	17	16.0	16.02	50	50		
		Yellowstone NP	0.005	4	16.0	16.00	50	50		
		PM ₁₀	2-hr	Bridger WA	1.820	8	33.0	34.82	150	150
				Fitzpatrick WA	0.210	8	33.0	33.21	150	150
Grand Teton NP	0.140			8	33.0	33.14	150	150		
Popo Agie WA	0.300			30	33.0	33.30	150	150		
Teton WA	0.080			8	33.0	33.08	150	150		
Washakie WA	0.090			8	33.0	33.09	150	150		
Wind River RA	0.290			30	33.0	33.29	150	150		
Yellowstone NP	0.060			8	33.0	33.06	150	150		

Table F.3.26 Maximum Modeled Cumulative PM₁₀ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative F (WDR150) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
PM ₁₀	Annual	Bridger WA	0.069	4	16.0	16.07	50	50
		Fitzpatrick WA	0.010	4	16.0	16.01	50	50
		Grand Teton NP	0.014	4	16.0	16.01	50	50
		Popo Agie WA	0.020	17	16.0	16.02	50	50
		Teton WA	0.006	4	16.0	16.01	50	50
		Washakie WA	0.004	4	16.0	16.00	50	50
		Wind River RA	0.018	17	16.0	16.02	50	50
		Yellowstone NP	0.005	4	16.0	16.00	50	50
		PM ₁₀	2- hr	Bridger WA	1.474	8	33.0	34.47
Fitzpatrick WA	0.176			8	33.0	33.18	150	150
Grand Teton NP	0.133			8	33.0	33.13	150	150
Popo Agie WA	0.271			30	33.0	33.27	150	150
Teton WA	0.070			8	33.0	33.07	150	150
Washakie WA	0.076			8	33.0	33.08	150	150
Wind River RA	0.270			30	33.0	33.27	150	150
Yellowstone NP	0.058			8	33.0	33.06	150	150

Table F.3.27 Maximum Modeled Cumulative PM₁₀ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative F (WDR75) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Applicable PSD Increment (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
PM ₁₀	Annual	Bridger WA	0.059	4	16.0	16.06	50	50
		Fitzpatrick WA	0.009	4	16.0	16.01	50	50
		Grand Teton NP	0.014	4	16.0	16.01	50	50
		Popo Agie WA	0.018	17	16.0	16.02	50	50
		Teton WA	0.006	4	16.0	16.01	50	50
		Washakie WA	0.004	4	16.0	16.00	50	50
		Wind River RA	0.016	17	16.0	16.02	50	50
		Yellowstone NP	0.004	4	16.0	16.00	50	50
PM ₁₀	2-hr	Bridger WA	1.197	8	33.0	34.20	150	150
		Fitzpatrick WA	0.164	8	33.0	33.16	150	150
		Grand Teton NP	0.129	8	33.0	33.13	150	150
		Popo Agie WA	0.237	30	33.0	33.24	150	150
		Teton WA	0.062	8	33.0	33.06	150	150
		Washakie WA	0.062	8	33.0	33.06	150	150
		Wind River RA	0.250	30	33.0	33.25	150	150
		Yellowstone NP	0.053	8	33.0	33.05	150	150

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Table F.4.1 Maximum Modeled PM_{2.5} Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Maximum Production Proposed Action Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS ¹ (µg/m ³)	NAAQS (µg/m ³)		
PM _{2.5}	Annual	Bridger WA	0.030	5.0	5.03	15	15		
		Fitzpatrick WA	0.003	5.0	5.00	15	15		
		Grand Teton NP	0.001	5.0	5.00	15	15		
		Popo Agie WA	0.008	5.0	5.01	15	15		
		Teton WA	0.001	5.0	5.00	15	15		
		Washakie WA	0.001	5.0	5.00	15	15		
		Wind River RA	0.006	5.0	5.01	15	15		
		Yellowstone NP	0.000	5.0	5.00	15	15		
		PM _{2.5}	24-hr	Bridger WA	0.750	13.0	13.70	65	65
				Fitzpatrick WA	0.070	13.0	13.10	65	65
Grand Teton NP	0.030			13.0	13.00	65	65		
Popo Agie WA	0.150			13.0	13.10	65	65		
Teton WA	0.020			13.0	13.00	65	65		
Washakie WA	0.030			13.0	13.00	65	65		
Wind River RA	0.120			13.0	13.10	65	65		
Yellowstone NP	0.010			13.0	13.00	65	65		

¹ Standard not yet enforced in Wyoming.

Table F.4.2 Maximum Modeled PM_{2.5} Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative A Sources (WDR250)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS ¹ (µg/m ³)	NAAQS (µg/m ³)
PM _{2.5}	Annual	Bridger WA	0.063	5.0	5.06	15	15
		Fitzpatrick WA	0.006	5.0	5.01	15	15
		Grand Teton NP	0.003	5.0	5.00	15	15
		Popo Agie WA	0.018	5.0	5.02	15	15
		Teton WA	0.002	5.0	5.00	15	15
		Washakie WA	0.002	5.0	5.00	15	15
		Wind River RA	0.013	5.0	5.01	15	15
		Yellowstone NP	0.001	5.0	5.00	15	15
PM _{2.5}	24-hr	Bridger WA	1.660	13.0	14.70	65	65
		Fitzpatrick WA	0.180	13.0	13.20	65	65
		Grand Teton NP	0.090	13.0	13.10	65	65
		Popo Agie WA	0.260	13.0	13.30	65	65
		Teton WA	0.040	13.0	13.00	65	65
		Washakie WA	0.080	13.0	13.10	65	65
		Wind River RA	0.190	13.0	13.20	65	65
		Yellowstone NP	0.040	13.0	13.00	65	65

¹ Standard not yet enforced in Wyoming.

Table F.4.3 Maximum Modeled PM_{2.5} Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative A Sources (WDR150)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact			Total Concentration (µg/m ³)	WAAQS ¹ (µg/m ³)	NAAQS (µg/m ³)
			Impact (µg/m ³)	Background Concentration (µg/m ³)	Concentration (µg/m ³)			
PM _{2.5}	Annual	Bridger WA	0.050	5.0	5.05	15	15	
		Fitzpatrick WA	0.005	5.0	5.00	15	15	
		Grand Teton NP	0.002	5.0	5.00	15	15	
		Popo Agie WA	0.014	5.0	5.01	15	15	
		Teton WA	0.001	5.0	5.00	15	15	
		Washakie WA	0.002	5.0	5.00	15	15	
		Wind River RA	0.010	5.0	5.01	15	15	
		Yellowstone NP	0.001	5.0	5.00	15	15	
		PM _{2.5}	24-hr	Bridger WA	1.280	13.0	14.30	65
Fitzpatrick WA	0.140			13.0	13.10	65	65	
Grand Teton NP	0.070			13.0	13.10	65	65	
Popo Agie WA	0.210			13.0	13.20	65	65	
Teton WA	0.030			13.0	13.00	65	65	
Washakie WA	0.060			13.0	13.10	65	65	
Wind River RA	0.160			13.0	13.20	65	65	
Yellowstone NP	0.030			13.0	13.00	65	65	

¹ Standard not yet enforced in Wyoming.

Table F.4.4 Maximum Modeled PM_{2.5} Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative A Sources (WDR75)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	NAAQS	
						WAAQS ¹ (µg/m ³)	NAAQS (µg/m ³)
PM _{2.5}	Annual	Bridger WA	0.039	5.0	5.04	15	15
		Fitzpatrick WA	0.004	5.0	5.00	15	15
		Grand Teton NP	0.001	5.0	5.00	15	15
		Popo Agie WA	0.011	5.0	5.01	15	15
		Teton WA	0.001	5.0	5.00	15	15
		Washakie WA	0.001	5.0	5.00	15	15
		Wind River RA	0.008	5.0	5.01	15	15
		Yellowstone NP	0.001	5.0	5.00	15	15
		PM _{2.5}	24-hr	Bridger WA	1.000	13.0	14.00
Fitzpatrick WA	0.100			13.0	13.10	65	65
Grand Teton NP	0.050			13.0	13.00	65	65
Popo Agie WA	0.180			13.0	13.20	65	65
Teton WA	0.030			13.0	13.00	65	65
Washakie WA	0.040			13.0	13.00	65	65
Wind River RA	0.140			13.0	13.10	65	65
Yellowstone NP	0.020			13.0	13.00	65	65

¹ Standard not yet enforced in Wyoming.

Table F.4.5 Maximum Modeled PM_{2.5} Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative B Sources (WDR250)

Pollutant	Averaging Time	Receptor Area	Direct		Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS ¹ (µg/m ³)	NAAQS (µg/m ³)
			Modeled Impact (µg/m ³)	Concentration (µg/m ³)				
PM _{2.5}	Annual	Bridger WA	0.068	5.0	5.07	15	15	
		Fitzpatrick WA	0.007	5.0	5.01	15	15	
		Grand Teton NP	0.003	5.0	5.00	15	15	
		Popo Agie WA	0.020	5.0	5.02	15	15	
		Teton WA	0.002	5.0	5.00	15	15	
		Washakie WA	0.002	5.0	5.00	15	15	
		Wind River RA	0.014	5.0	5.01	15	15	
		Yellowstone NP	0.001	5.0	5.00	15	15	
PM _{2.5}	24-hr	Bridger WA	1.700	13.0	14.70	65	65	
		Fitzpatrick WA	0.200	13.0	13.20	65	65	
		Grand Teton NP	0.100	13.0	13.10	65	65	
		Popo Agie WA	0.240	13.0	13.20	65	65	
		Teton WA	0.050	13.0	13.00	65	65	
		Washakie WA	0.080	13.0	13.10	65	65	
		Wind River RA	0.190	13.0	13.20	65	65	
		Yellowstone NP	0.050	13.0	13.00	65	65	

¹ Standard not yet enforced in Wyoming.

Table F.4.6 Maximum Modeled PM_{2.5} Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative B Sources (WDR150)

Pollutant	Averaging Time	Receptor Area	Direct			Total Concentration (µg/m ³)	WAAQS ¹ (µg/m ³)	NAAQS (µg/m ³)
			Modeled Impact (µg/m ³)	Background Concentration (µg/m ³)	Concentration			
PM _{2.5}	Annual	Bridger WA	0.053	5.0	5.05	15	15	
		Fitzpatrick WA	0.005	5.0	5.01	15	15	
		Grand Teton NP	0.002	5.0	5.00	15	15	
		Popo Agie WA	0.015	5.0	5.01	15	15	
		Teton WA	0.001	5.0	5.00	15	15	
		Washakie WA	0.002	5.0	5.00	15	15	
		Wind River RA	0.011	5.0	5.01	15	15	
		Yellowstone NP	0.001	5.0	5.00	15	15	
PM _{2.5}	24-hr	Bridger WA	1.310	13.0	14.30	65	65	
		Fitzpatrick WA	0.150	13.0	13.10	65	65	
		Grand Teton NP	0.080	13.0	13.10	65	65	
		Popo Agie WA	0.200	13.0	13.20	65	65	
		Teton WA	0.030	13.0	13.00	65	65	
		Washakie WA	0.060	13.0	13.10	65	65	
		Wind River RA	0.160	13.0	13.20	65	65	
		Yellowstone NP	0.030	13.0	13.00	65	65	

¹ Standard not yet enforced in Wyoming.

Table F.4.7 Maximum Modeled PM_{2.5} Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative B Sources (WDR75)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS ¹ (µg/m ³)	NAAQS (µg/m ³)
PM _{2.5}	Annual	Bridger WA	0.041	5.0	5.04	15	15
		Fitzpatrick WA	0.004	5.0	5.00	15	15
		Grand Teton NP	0.002	5.0	5.00	15	15
		Popo Agie WA	0.011	5.0	5.01	15	15
		Teton WA	0.001	5.0	5.00	15	15
		Washakie WA	0.001	5.0	5.00	15	15
		Wind River RA	0.008	5.0	5.01	15	15
		Yellowstone NP	0.001	5.0	5.00	15	15
		PM _{2.5}	24-hr	Bridger WA	0.990	13.0	14.00
Fitzpatrick WA	0.110			13.0	13.10	65	65
Grand Teton NP	0.050			13.0	13.10	65	65
Popo Agie WA	0.170			13.0	13.20	65	65
Teton WA	0.030			13.0	13.00	65	65
Washakie WA	0.040			13.0	13.00	65	65
Wind River RA	0.140			13.0	13.10	65	65
Yellowstone NP	0.020			13.0	13.00	65	65

¹ Standard not yet enforced in Wyoming.

Table F.4.8 Maximum Modeled PM_{2.5} Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative C Sources (WDR250)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS ¹	
						(µg/m ³)	(µg/m ³)
PM _{2.5}	Annual	Bridger WA	0.046	5.0	5.05	15	15
		Fitzpatrick WA	0.005	5.0	5.00	15	15
		Grand Teton NP	0.002	5.0	5.00	15	15
		Popo Agie WA	0.014	5.0	5.01	15	15
		Teton WA	0.001	5.0	5.00	15	15
		Washakie WA	0.002	5.0	5.00	15	15
		Wind River RA	0.009	5.0	5.01	15	15
		Yellowstone NP	0.001	5.0	5.00	15	15
		PM _{2.5}	24-hr	Bridger WA	1.240	13.0	14.20
Fitzpatrick WA	0.140			13.0	13.10	65	65
Grand Teton NP	0.080			13.0	13.10	65	65
Popo Agie WA	0.170			13.0	13.20	65	65
Teton WA	0.040			13.0	13.00	65	65
Washakie WA	0.060			13.0	13.10	65	65
Wind River RA	0.130			13.0	13.10	65	65
Yellowstone NP	0.040			13.0	13.00	65	65

¹ Standard not yet enforced in Wyoming.

Table F.4.9 Maximum Modeled PM_{2.5} Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative C Sources (WDR150)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS ¹ (µg/m ³)	NAAQS (µg/m ³)		
PM _{2.5}	Annual	Bridger WA	0.033	5.0	5.03	15	15		
		Fitzpatrick WA	0.003	5.0	5.00	15	15		
		Grand Teton NP	0.002	5.0	5.00	15	15		
		Popo Agie WA	0.010	5.0	5.01	15	15		
		Teton WA	0.001	5.0	5.00	15	15		
		Washakie WA	0.001	5.0	5.00	15	15		
		Wind River RA	0.007	5.0	5.01	15	15		
		Yellowstone NP	0.001	5.0	5.00	15	15		
		PM _{2.5}	24-hr	Bridger WA	0.870	13.0	13.90	65	65
				Fitzpatrick WA	0.100	13.0	13.10	65	65
Grand Teton NP	0.050			13.0	13.10	65	65		
Popo Agie WA	0.130			13.0	13.10	65	65		
Teton WA	0.020			13.0	13.00	65	65		
Washakie WA	0.040			13.0	13.00	65	65		
Wind River RA	0.090			13.0	13.10	65	65		
Yellowstone NP	0.030			13.0	13.00	65	65		

¹ Standard not yet enforced in Wyoming.

Table F.4.10 Maximum Modeled PM_{2.5} Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative C Sources (WDR75)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS ¹ (µg/m ³)	NAAQS (µg/m ³)
PM _{2.5}	Annual	Bridger WA	0.022	5.0	5.02	15	15
		Fitzpatrick WA	0.002	5.0	5.00	15	15
		Grand Teton NP	0.001	5.0	5.00	15	15
		Popo Agie WA	0.007	5.0	5.01	15	15
		Teton WA	0.001	5.0	5.00	15	15
		Washakie WA	0.001	5.0	5.00	15	15
		Wind River RA	0.005	5.0	5.00	15	15
		Yellowstone NP	0.000	5.0	5.00	15	15
		PM _{2.5}	24-hr	Bridger WA	0.590	13.0	13.60
Fitzpatrick WA	0.060			13.0	13.10	65	65
Grand Teton NP	0.030			13.0	13.00	65	65
Popo Agie WA	0.090			13.0	13.10	65	65
Teton WA	0.020			13.0	13.00	65	65
Washakie WA	0.030			13.0	13.00	65	65
Wind River RA	0.070			13.0	13.10	65	65
Yellowstone NP	0.020			13.0	13.00	65	65

¹ Standard not yet enforced in Wyoming.

Table F.4.11 Maximum Modeled PM_{2.5} Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative F Sources (WDR250)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS ¹ (µg/m ³)	NAAQS (µg/m ³)
PM _{2.5}	Annual	Bridger WA	0.064	5.0	5.06	15	15
		Fitzpatrick WA	0.006	5.0	5.01	15	15
		Grand Teton NP	0.003	5.0	5.00	15	15
		Popo Agie WA	0.018	5.0	5.02	15	15
		Teton WA	0.002	5.0	5.00	15	15
		Washakie WA	0.002	5.0	5.00	15	15
		Wind River RA	0.013	5.0	5.01	15	15
		Yellowstone NP	0.001	5.0	5.00	15	15
		PM _{2.5}	24-hr	Bridger WA	1.650	13.0	14.70
Fitzpatrick WA	0.190			13.0	13.20	65	65
Grand Teton NP	0.100			13.0	13.10	65	65
Popo Agie WA	0.250			13.0	13.20	65	65
Teton WA	0.040			13.0	13.00	65	65
Washakie WA	0.080			13.0	13.10	65	65
Wind River RA	0.190			13.0	13.20	65	65
Yellowstone NP	0.040			13.0	13.00	65	65

¹ Standard not yet enforced in Wyoming.

Table F.4.12 Maximum Modeled PM_{2.5} Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative F Sources (WDR150)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS ¹ (µg/m ³)	NAAQS (µg/m ³)
PM _{2.5}	Annual	Bridger WA	0.051	5.0	5.05	15	15
		Fitzpatrick WA	0.005	5.0	5.01	15	15
		Grand Teton NP	0.002	5.0	5.00	15	15
		Popo Agie WA	0.014	5.0	5.01	15	15
		Teton WA	0.001	5.0	5.00	15	15
		Washakie WA	0.002	5.0	5.00	15	15
		Wind River RA	0.010	5.0	5.01	15	15
		Yellowstone NP	0.001	5.0	5.00	15	15
		PM _{2.5}	24-hr	Bridger WA	1.310	13.0	14.30
Fitzpatrick WA	0.140			13.0	13.10	65	65
Grand Teton NP	0.070			13.0	13.10	65	65
Popo Agie WA	0.210			13.0	13.20	65	65
Teton WA	0.030			13.0	13.00	65	65
Washakie WA	0.060			13.0	13.10	65	65
Wind River RA	0.160			13.0	13.20	65	65
Yellowstone NP	0.030			13.0	13.00	65	65

¹ Standard not yet enforced in Wyoming.

Table F.4.13 Maximum Modeled PM_{2.5} Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative F Sources (WDR75)

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS ¹ (µg/m ³)	NAAQS (µg/m ³)
PM _{2.5}	Annual	Bridger WA	0.041	5.0	5.04	15	15
		Fitzpatrick WA	0.004	5.0	5.00	15	15
		Grand Teton NP	0.002	5.0	5.00	15	15
		Popo Agie WA	0.011	5.0	5.01	15	15
		Teton WA	0.001	5.0	5.00	15	15
		Washakie WA	0.001	5.0	5.00	15	15
		Wind River RA	0.008	5.0	5.01	15	15
		Yellowstone NP	0.001	5.0	5.00	15	15
		PM _{2.5}	24-hr	Bridger WA	1.040	13.0	14.00
Fitzpatrick WA	0.110			13.0	13.10	65	65
Grand Teton NP	0.050			13.0	13.10	65	65
Popo Agie WA	0.180			13.0	13.20	65	65
Teton WA	0.030			13.0	13.00	65	65
Washakie WA	0.040			13.0	13.00	65	65
Wind River RA	0.140			13.0	13.10	65	65
Yellowstone NP	0.020			13.0	13.00	65	65

¹ Standard not yet enforced in Wyoming.

Table F.4.14 Maximum Modeled Cumulative PM_{2.5} Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from No Action and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct		Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS ¹ (µg/m ³)	NAAQS (µg/m ³)
			Modeled Impact (µg/m ³)	Concentration (µg/m ³)				
PM _{2.5}	Annual	Bridger WA	0.019	5.0	5.02	15	15	
		Fitzpatrick WA	0.006	5.0	5.01	15	15	
		Grand Teton NP	0.013	5.0	5.01	15	15	
		Popo Agie WA	0.009	5.0	5.01	15	15	
		Teton WA	0.005	5.0	5.01	15	15	
		Washakie WA	0.004	5.0	5.00	15	15	
		Wind River RA	0.010	5.0	5.01	15	15	
		Yellowstone NP	0.004	5.0	5.00	15	15	
PM _{2.5}	24-hr	Bridger WA	0.433	13.0	13.43	65	65	
		Fitzpatrick WA	0.124	13.0	13.12	65	65	
		Grand Teton NP	0.114	13.0	13.11	65	65	
		Popo Agie WA	0.128	13.0	13.13	65	65	
		Teton WA	0.041	13.0	13.04	65	65	
		Washakie WA	0.042	13.0	13.04	65	65	
		Wind River RA	0.186	13.0	13.19	65	65	
		Yellowstone NP	0.045	13.0	13.04	65	65	

¹ Standard not yet enforced in Wyoming.

Table F.4.15 Maximum Modeled Cumulative PM_{2.5} Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Maximum Production Proposed and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS ¹ (µg/m ³)	NAAQS (µg/m ³)
PM _{2.5}	Annual	Bridger WA	0.048	5.0	5.05	15	15
		Fitzpatrick WA	0.008	5.0	5.01	15	15
		Grand Teton NP	0.014	5.0	5.01	15	15
		Popo Agie WA	0.016	5.0	5.02	15	15
		Teton WA	0.006	5.0	5.01	15	15
		Washakie WA	0.004	5.0	5.00	15	15
		Wind River RA	0.015	5.0	5.02	15	15
		Yellowstone NP	0.004	5.0	5.00	15	15
PM _{2.5}	24-hr	Bridger WA	0.909	13.0	13.91	65	65
		Fitzpatrick WA	0.144	13.0	13.14	65	65
		Grand Teton NP	0.119	13.0	13.12	65	65
		Popo Agie WA	0.201	13.0	13.20	65	65
		Teton WA	0.048	13.0	13.05	65	65
		Washakie WA	0.049	13.0	13.05	65	65
		Wind River RA	0.218	13.0	13.22	65	65
		Yellowstone NP	0.049	13.0	13.05	65	65

¹ Standard not yet enforced in Wyoming.

Table F.4.16 Maximum Modeled Cumulative PM_{2.5} Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative A (WDR250) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS ¹ (µg/m ³)	NAAQS (µg/m ³)		
PM _{2.5}	Annual	Bridger WA	0.081	5.0	5.08	15	15		
		Fitzpatrick WA	0.012	5.0	5.01	15	15		
		Grand Teton NP	0.015	5.0	5.02	15	15		
		Popo Agie WA	0.026	5.0	5.03	15	15		
		Teton WA	0.007	5.0	5.01	15	15		
		Washakie WA	0.005	5.0	5.01	15	15		
		Wind River RA	0.022	5.0	5.02	15	15		
		Yellowstone NP	0.005	5.0	5.01	15	15		
		PM _{2.5}	24-hr	Bridger WA	1.822	13.0	14.82	65	65
				Fitzpatrick WA	0.204	13.0	13.20	65	65
Grand Teton NP	0.140			13.0	13.14	65	65		
Popo Agie WA	0.312			13.0	13.31	65	65		
Teton WA	0.075			13.0	13.08	65	65		
Washakie WA	0.092			13.0	13.09	65	65		
Wind River RA	0.283			13.0	13.28	65	65		
Yellowstone NP	0.063			13.0	13.06	65	65		

¹ Standard not yet enforced in Wyoming.

Table F.4.17 Maximum Modeled Cumulative PM_{2.5} Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative A (WDR150) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS ¹ (µg/m ³)	NAAQS (µg/m ³)		
PM _{2.5}	Annual	Bridger WA	0.068	5.0	5.07	15	15		
		Fitzpatrick WA	0.011	5.0	5.01	15	15		
		Grand Teton NP	0.015	5.0	5.01	15	15		
		Popo Agie WA	0.022	5.0	5.02	15	15		
		Teton WA	0.006	5.0	5.01	15	15		
		Washakie WA	0.005	5.0	5.00	15	15		
		Wind River RA	0.019	5.0	5.02	15	15		
		Yellowstone NP	0.005	5.0	5.00	15	15		
		PM _{2.5}	24-hr	Bridger WA	1.449	13.0	14.45	65	65
				Fitzpatrick WA	0.168	13.0	13.17	65	65
Grand Teton NP	0.125			13.0	13.13	65	65		
Popo Agie WA	0.267			13.0	13.27	65	65		
Teton WA	0.065			13.0	13.06	65	65		
Washakie WA	0.073			13.0	13.07	65	65		
Wind River RA	0.258	13.0	13.26	65	65				
Yellowstone NP	0.056	13.0	13.06	65	65				

¹ Standard not yet enforced in Wyoming.

Table F.4.18 Maximum Modeled Cumulative PM_{2.5} Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative A (WDR75) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS ¹ (µg/m ³)	NAAQS (µg/m ³)		
PM _{2.5}	Annual	Bridger WA	0.058	5.0	5.06	15	15		
		Fitzpatrick WA	0.009	5.0	5.01	15	15		
		Grand Teton NP	0.014	5.0	5.01	15	15		
		Popo Agie WA	0.019	5.0	5.02	15	15		
		Teton WA	0.006	5.0	5.01	15	15		
		Washakie WA	0.005	5.0	5.00	15	15		
		Wind River RA	0.017	5.0	5.02	15	15		
		Yellowstone NP	0.005	5.0	5.00	15	15		
		PM _{2.5}	24-hr	Bridger WA	1.154	13.0	14.15	65	65
				Fitzpatrick WA	0.156	13.0	13.16	65	65
Grand Teton NP	0.122			13.0	13.12	65	65		
Popo Agie WA	0.234			13.0	13.23	65	65		
Teton WA	0.057			13.0	13.06	65	65		
Washakie WA	0.060			13.0	13.06	65	65		
Wind River RA	0.238			13.0	13.24	65	65		
Yellowstone NP	0.052			13.0	13.05	65	65		

¹ Standard not yet enforced in Wyoming.

Table F.4.19 Maximum Modeled Cumulative PM_{2.5} Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative B (WDR250) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct		Background Concentration ($\mu\text{g}/\text{m}^3$)	Total Concentration ($\mu\text{g}/\text{m}^3$)	WAAQS ¹ ($\mu\text{g}/\text{m}^3$)	NAAQS ($\mu\text{g}/\text{m}^3$)
			Modeled Impact ($\mu\text{g}/\text{m}^3$)	Concentration				
PM _{2.5}	Annual	Bridger WA	0.087	5.0	5.09	15	15	
		Fitzpatrick WA	0.013	5.0	5.01	15	15	
		Grand Teton NP	0.016	5.0	5.02	15	15	
		Popo Agie WA	0.028	5.0	5.03	15	15	
		Teton WA	0.007	5.0	5.01	15	15	
		Washakie WA	0.006	5.0	5.01	15	15	
		Wind River RA	0.023	5.0	5.02	15	15	
		Yellowstone NP	0.005	5.0	5.01	15	15	
		PM _{2.5}	24-hr	Bridger WA	1.867	13.0	14.87	65
Fitzpatrick WA	0.221			13.0	13.22	65	65	
Grand Teton NP	0.150			13.0	13.15	65	65	
Popo Agie WA	0.297			13.0	13.30	65	65	
Teton WA	0.080			13.0	13.08	65	65	
Washakie WA	0.100			13.0	13.10	65	65	
Wind River RA	0.292			13.0	13.29	65	65	
Yellowstone NP	0.067			13.0	13.07	65	65	

¹ Standard not yet enforced in Wyoming.

Table F.4.20 Maximum Modeled Cumulative PM_{2.5} Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative B (WDR150) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS ¹ (µg/m ³)	NAAQS (µg/m ³)
PM _{2.5}	Annual	Bridger WA	0.071	5.0	5.07	15	15
		Fitzpatrick WA	0.011	5.0	5.01	15	15
		Grand Teton NP	0.015	5.0	5.02	15	15
		Popo Agie WA	0.023	5.0	5.02	15	15
		Teton WA	0.007	5.0	5.01	15	15
		Washakie WA	0.005	5.0	5.00	15	15
		Wind River RA	0.020	5.0	5.02	15	15
		Yellowstone NP	0.005	5.0	5.00	15	15
		PM _{2.5}	24-hr	Bridger WA	1.478	13.0	14.48
Fitzpatrick WA	0.176			13.0	13.18	65	65
Grand Teton NP	0.126			13.0	13.13	65	65
Popo Agie WA	0.258			13.0	13.26	65	65
Teton WA	0.068			13.0	13.07	65	65
Washakie WA	0.078			13.0	13.08	65	65
Wind River RA	0.264			13.0	13.26	65	65
Yellowstone NP	0.057			13.0	13.06	65	65

¹ Standard not yet enforced in Wyoming.

Table F.4.21 Maximum Modeled Cumulative PM_{2.5} Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative B (WDR75) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS ¹ (µg/m ³)	NAAQS (µg/m ³)		
PM _{2.5}	Annual	Bridger WA	0.059	5.0	5.06	15	15		
		Fitzpatrick WA	0.010	5.0	5.01	15	15		
		Grand Teton NP	0.014	5.0	5.01	15	15		
		Popo Agie WA	0.020	5.0	5.02	15	15		
		Teton WA	0.006	5.0	5.01	15	15		
		Washakie WA	0.005	5.0	5.00	15	15		
		Wind River RA	0.017	5.0	5.02	15	15		
		Yellowstone NP	0.005	5.0	5.00	15	15		
		PM _{2.5}	24-hr	Bridger WA	1.153	13.0	14.15	65	65
				Fitzpatrick WA	0.158	13.0	13.16	65	65
Grand Teton NP	0.122			13.0	13.12	65	65		
Popo Agie WA	0.227			13.0	13.23	65	65		
Teton WA	0.058			13.0	13.06	65	65		
Washakie WA	0.062			13.0	13.06	65	65		
Wind River RA	0.240			13.0	13.24	65	65		
Yellowstone NP	0.052			13.0	13.05	65	65		

¹ Standard not yet enforced in Wyoming.

Table F.4.22 Maximum Modeled Cumulative PM_{2.5} Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative C (WDR250) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS ¹ (µg/m ³)	NAAQS (µg/m ³)		
PM _{2.5}	Annual	Bridger WA	0.064	5.0	5.06	15	15		
		Fitzpatrick WA	0.011	5.0	5.01	15	15		
		Grand Teton NP	0.015	5.0	5.02	15	15		
		Popo Agie WA	0.023	5.0	5.02	15	15		
		Teton WA	0.007	5.0	5.01	15	15		
		Washakie WA	0.005	5.0	5.01	15	15		
		Wind River RA	0.018	5.0	5.02	15	15		
		Yellowstone NP	0.005	5.0	5.00	15	15		
		PM _{2.5}	24-hr	Bridger WA	1.400	13.0	14.40	65	65
				Fitzpatrick WA	0.180	13.0	13.18	65	65
Grand Teton NP	0.128			13.0	13.13	65	65		
Popo Agie WA	0.226			13.0	13.23	65	65		
Teton WA	0.069			13.0	13.07	65	65		
Washakie WA	0.079			13.0	13.08	65	65		
Wind River RA	0.271			13.0	13.27	65	65		
Yellowstone NP	0.059			13.0	13.06	65	65		

¹ Standard not yet enforced in Wyoming.

Table F.4.23 Maximum Modeled Cumulative PM_{2.5} Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative C (WDR150) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration		NAAQS (µg/m ³)
					WAAQS ¹ (µg/m ³)	n	
PM _{2.5}	Annual	Bridger WA	0.051	5.0	5.05	15	15
		Fitzpatrick WA	0.009	5.0	5.01	15	15
		Grand Teton NP	0.014	5.0	5.01	15	15
		Popo Agie WA	0.019	5.0	5.02	15	15
		Teton WA	0.006	5.0	5.01	15	15
		Washakie WA	0.005	5.0	5.00	15	15
		Wind River RA	0.016	5.0	5.02	15	15
		Yellowstone NP	0.005	5.0	5.00	15	15
		PM _{2.5}	24-hr	Bridger WA	1.032	13.0	14.03
Fitzpatrick WA	0.160			13.0	13.16	65	65
Grand Teton NP	0.125			13.0	13.12	65	65
Popo Agie WA	0.191			13.0	13.19	65	65
Teton WA	0.058			13.0	13.06	65	65
Washakie WA	0.064			13.0	13.06	65	65
Wind River RA	0.247			13.0	13.25	65	65
Yellowstone NP	0.053			13.0	13.05	65	65

¹ Standard not yet enforced in Wyoming.

Table F.4.24 Maximum Modeled Cumulative PM_{2.5} Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative C (WDR75) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)		NAAQS (µg/m ³)		
					WAAQS ¹	n			
PM _{2.5}	Annual	Bridger WA	0.041	5.0	5.04	15	15		
		Fitzpatrick WA	0.008	5.0	5.01	15	15		
		Grand Teton NP	0.014	5.0	5.01	15	15		
		Popo Agie WA	0.015	5.0	5.02	15	15		
		Teton WA	0.006	5.0	5.01	15	15		
		Washakie WA	0.004	5.0	5.00	15	15		
		Wind River RA	0.014	5.0	5.02	15	15		
		Yellowstone NP	0.004	5.0	5.00	15	15		
		PM _{2.5}	24 hr	Bridger WA	0.745	13.0	13.75	65	65
				Fitzpatrick WA	0.149	13.0	13.15	65	65
Grand Teton NP	0.121			13.0	13.12	65	65		
Popo Agie WA	0.169			13.0	13.17	65	65		
Teton WA	0.051			13.0	13.05	65	65		
Washakie WA	0.053			13.0	13.05	65	65		
Wind River RA	0.226			13.0	13.23	65	65		
Yellowstone NP	0.050			13.0	13.05	65	65		

¹ Standard not yet enforced in Wyoming.

Table F.4.25 Maximum Modeled Cumulative PM_{2.5} Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative F (WDR250) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct	Background Concentration ($\mu\text{g}/\text{m}^3$)	Total Concentration ($\mu\text{g}/\text{m}^3$)	WAAQS ¹ ($\mu\text{g}/\text{m}^3$)	NAAQS ($\mu\text{g}/\text{m}^3$)
			Modeled Impact ($\mu\text{g}/\text{m}^3$)				
PM _{2.5}	Annual	Bridger WA	0.082	5.0	5.08	15	15
		Fitzpatrick WA	0.012	5.0	5.01	15	15
		Grand Teton NP	0.016	5.0	5.02	15	15
		Popo Agie WA	0.027	5.0	5.03	15	15
		Teton WA	0.007	5.0	5.01	15	15
		Washakie WA	0.005	5.0	5.01	15	15
		Wind River RA	0.022	5.0	5.02	15	15
		Yellowstone NP	0.005	5.0	5.01	15	15
		PM _{2.5}	24 hr	Bridger WA	1.814	13.0	14.81
Fitzpatrick WA	0.209			13.0	13.21	65	65
Grand Teton NP	0.142			13.0	13.14	65	65
Popo Agie WA	0.302			13.0	13.30	65	65
Teton WA	0.077			13.0	13.08	65	65
Washakie WA	0.094			13.0	13.09	65	65
Wind River RA	0.285			13.0	13.29	65	65
Yellowstone NP	0.064			13.0	13.06	65	65

¹ Standard not yet enforced in Wyoming.

Table F.4.26 Maximum Modeled Cumulative PM_{2.5} Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative F (WDR150) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS ¹ (µg/m ³)	NAAQS (µg/m ³)
PM _{2.5}	Annual	Bridger WA	0.070	5.0	5.07	15	15
		Fitzpatrick WA	0.011	5.0	5.01	15	15
		Grand Teton NP	0.015	5.0	5.01	15	15
		Popo Agie WA	0.023	5.0	5.02	15	15
		Teton WA	0.007	5.0	5.01	15	15
		Washakie WA	0.005	5.0	5.00	15	15
		Wind River RA	0.020	5.0	5.02	15	15
		Yellowstone NP	0.005	5.0	5.00	15	15
		PM _{2.5}	24 hr	Bridger WA	1.472	13.0	14.47
Fitzpatrick WA	0.171			13.0	13.17	65	65
Grand Teton NP	0.125			13.0	13.13	65	65
Popo Agie WA	0.269			13.0	13.27	65	65
Teton WA	0.066			13.0	13.07	65	65
Washakie WA	0.076			13.0	13.08	65	65
Wind River RA	0.261			13.0	13.26	65	65
Yellowstone NP	0.057			13.0	13.06	65	65

¹ Standard not yet enforced in Wyoming.

Table F.4.27 Maximum Modeled Cumulative PM_{2.5} Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative F (WDR75) and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct	Background Concentration ($\mu\text{g}/\text{m}^3$)	Total Concentration ($\mu\text{g}/\text{m}^3$)	WAAQS ¹ ($\mu\text{g}/\text{m}^3$)	NAAQS ($\mu\text{g}/\text{m}^3$)
			Modeled Impact ($\mu\text{g}/\text{m}^3$)				
PM _{2.5}	Annual	Bridger WA	0.060	5.0	5.06	15	15
		Fitzpatrick WA	0.010	5.0	5.01	15	15
		Grand Teton NP	0.014	5.0	5.01	15	15
		Popo Agie WA	0.020	5.0	5.02	15	15
		Teton WA	0.006	5.0	5.01	15	15
		Washakie WA	0.005	5.0	5.00	15	15
		Wind River RA	0.018	5.0	5.02	15	15
		Yellowstone NP	0.005	5.0	5.00	15	15
		PM _{2.5}	24 hr	Bridger WA	1.195	13.0	14.19
Fitzpatrick WA	0.158			13.0	13.16	65	65
Grand Teton NP	0.122			13.0	13.12	65	65
Popo Agie WA	0.235			13.0	13.24	65	65
Teton WA	0.058			13.0	13.06	65	65
Washakie WA	0.062			13.0	13.06	65	65
Wind River RA	0.241			13.0	13.24	65	65
Yellowstone NP	0.052			13.0	13.05	65	65

¹ Standard not yet enforced in Wyoming.

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Table F.5.1 Maximum Predicted Impacts Within the JIDPA from Maximum Production

Pollutant	Averaging Time	Direct Predicted Impact ($\mu\text{g}/\text{m}^3$)	Background Concentration ($\mu\text{g}/\text{m}^3$)	Total Concentration ($\mu\text{g}/\text{m}^3$)	WAAQS ($\mu\text{g}/\text{m}^3$)	NAAQS ($\mu\text{g}/\text{m}^3$)
NO ₂	Annual	2.5	3.4	5.9	100	100
	3 Hour	0.2	132	132.2	1,300	1,300
SO ₂	24-Hour	0.1	43	43.1	260	365
	Annual	0.0	9	9.0	60	80
PM ₁₀	24-Hour	90.4	33	123.4	150	150
	Annual	12.6	16	28.6	50	50
PM _{2.5}	24-Hour	16.3	13	29.3	65 ¹	65
	Annual	2.0	5	7.0	15 ¹	15

¹ Standard not yet enforced in Wyoming.

Table F.5.2 Maximum Predicted Impacts Within the JIDPA from Alternative A Sources (WDR250)-
Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact (µg/m ³)	Background Concentration (µg/m ³)	Total Concentration (µg/m ³)	WAAQS (µg/m ³)	NAAQS (µg/m ³)
NO ₂	Annual	13.7	3.4	17.1	100	100
	3 Hour	18.3	132	150.3	1,300	1,300
SO ₂	24-Hour	3.7	43	46.7	260	365
	Annual	0.4	9	9.4	60	80
PM ₁₀	24-Hour	113.2	33	146.2	150	150
	Annual	16.0	16	32.0	50	50
PM _{2.5}	24-Hour	21.6	13	34.6	65 ¹	65
	Annual	3.1	5	8.1	15 ¹	15

¹ Standard not yet enforced in Wyoming.

Table F.5.3 Maximum Predicted Impacts Within the JIDPA from Alternative A Sources (WDR150)-
Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu\text{g}/\text{m}^3$)	Background Concentration ($\mu\text{g}/\text{m}^3$)	Total Concentration ($\mu\text{g}/\text{m}^3$)	WAAQS ($\mu\text{g}/\text{m}^3$)	NAAQS ($\mu\text{g}/\text{m}^3$)
NO ₂	Annual	12.0	3.4	15.4	100	100
	3 Hour	13.9	132	145.9	1,300	1,300
SO ₂	24-Hour	3.4	43	46.4	260	365
	Annual	0.3	9	9.3	60	80
PM ₁₀	24-Hour	103.9	33	136.9	150	150
	Annual	14.7	16	30.7	50	50
PM _{2.5}	24-Hour	19.3	13	32.3	65 ¹	65
	Annual	2.8	5	7.8	15 ¹	15

¹ Standard not yet enforced in Wyoming.

Table F.5.4 Maximum Predicted Impacts Within the JIDPA from Alternative A Sources (WDR75)-
Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu\text{g}/\text{m}^3$)	Background Concentration ($\mu\text{g}/\text{m}^3$)	Total Concentration ($\mu\text{g}/\text{m}^3$)	WAAQS ($\mu\text{g}/\text{m}^3$)	NAAQS ($\mu\text{g}/\text{m}^3$)
NO ₂	Annual	10.3	3.4	13.7	100	100
	3 Hour	13.9	132	145.9	1,300	1,300
SO ₂	24-Hour	3.4	43	46.4	260	365
	Annual	0.3	9	9.3	60	80
PM ₁₀	24-Hour	97.0	33	130.0	150	150
	Annual	13.7	16	29.7	50	50
PM _{2.5}	24-Hour	17.7	13	30.7	65 ¹	65
	Annual	2.6	5	7.6	15 ¹	15

¹ Standard not yet enforced in Wyoming.

Table F.5.5 Maximum Predicted Impacts Within the JIDPA from Alternative B Sources (WDR250)-
Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu\text{g}/\text{m}^3$)	Background Concentration ($\mu\text{g}/\text{m}^3$)	Total Concentration ($\mu\text{g}/\text{m}^3$)	WAAQS ($\mu\text{g}/\text{m}^3$)	NAAQS ($\mu\text{g}/\text{m}^3$)
NO ₂	Annual	16.2	3.4	19.6	100	100
	3 Hour	22.5	132	154.5	1,300	1,300
SO ₂	24-Hour	4.6	43	47.6	260	365
	Annual	0.5	9	9.5	60	80
PM ₁₀	24-Hour	113.6	33	146.6	150	150
	Annual	16.1	16	32.1	50	50
PM _{2.5}	24-Hour	22.0	13	35.0	65 ¹	65
	Annual	3.2	5	8.2	15 ¹	15

¹ Standard not yet enforced in Wyoming.

Table F.5.6 Maximum Predicted Impacts Within the JIDPA from Alternative B Sources (WDR150)-
Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu\text{g}/\text{m}^3$)	Background Concentration ($\mu\text{g}/\text{m}^3$)	Total Concentration ($\mu\text{g}/\text{m}^3$)	WAAQS ($\mu\text{g}/\text{m}^3$)	NAAQS ($\mu\text{g}/\text{m}^3$)
NO ₂	Annual	14.3	3.4	17.7	100	100
	3 Hour	17.1	132	149.1	1,300	1,300
SO ₂	24-Hour	4.2	43	47.2	260	365
	Annual	0.4	9	9.4	60	80
PM ₁₀	24-Hour	104.1	33	137.1	150	150
	Annual	14.8	16	30.8	50	50
PM _{2.5}	24-Hour	19.4	13	32.4	65 ¹	65
	Annual	2.9	5	7.9	15 ¹	15

¹ Standard not yet enforced in Wyoming.

Table F.5.7 Maximum Predicted Impacts Within the JIDPA from Alternative B Sources (WDR75)-
Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu\text{g}/\text{m}^3$)	Background Concentration ($\mu\text{g}/\text{m}^3$)	Total Concentration ($\mu\text{g}/\text{m}^3$)	WAAQS ($\mu\text{g}/\text{m}^3$)	NAAQS ($\mu\text{g}/\text{m}^3$)
NO ₂	Annual	11.8	3.4	15.2	100	100
	3 Hour	17.1	132	149.1	1,300	1,300
SO ₂	24-Hour	4.2	43	47.2	260	365
	Annual	0.3	9	9.3	60	80
PM ₁₀	24-Hour	97.1	33	130.1	150	150
	Annual	13.8	16	29.8	50	50
PM _{2.5}	24-Hour	17.7	13	30.7	65 ¹	65
	Annual	2.7	5	7.7	15 ¹	15

¹ Standard not yet enforced in Wyoming.

Table F.5.8 Maximum Predicted Impacts Within the JIDPA from Alternative C Sources (WDR250)-
Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu\text{g}/\text{m}^3$)	Background Concentration ($\mu\text{g}/\text{m}^3$)	Total Concentration ($\mu\text{g}/\text{m}^3$)	WAAQS ($\mu\text{g}/\text{m}^3$)	NAAQS ($\mu\text{g}/\text{m}^3$)
NO ₂	Annual	12.6	3.4	16.0	100	100
	3 Hour	18.3	132	150.3	1,300	1,300
SO ₂	24-Hour	3.7	43	46.7	260	365
	Annual	0.4	9	9.4	60	80
PM ₁₀	24-Hour	59.3	33	92.3	150	150
	Annual	8.6	16	24.6	50	50
PM _{2.5}	24-Hour	11.9	13	24.9	65 ¹	65
	Annual	1.9	5	6.9	15 ¹	15

¹ Standard not yet enforced in Wyoming.

Table F.5.9 Maximum Predicted Impacts Within the JIDPA from Alternative C Sources (WDR150)-
Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu\text{g}/\text{m}^3$)	Background Concentration ($\mu\text{g}/\text{m}^3$)	Total Concentration ($\mu\text{g}/\text{m}^3$)	WAAQS ($\mu\text{g}/\text{m}^3$)	NAAQS ($\mu\text{g}/\text{m}^3$)
NO ₂	Annual	11.0	3.4	14.4	100	100
	3 Hour	13.9	132	145.9	1,300	1,300
SO ₂	24-Hour	3.4	43	46.4	260	365
	Annual	0.3	9	9.3	60	80
PM ₁₀	24-Hour	49.9	33	82.9	150	150
	Annual	7.3	16	23.3	50	50
PM _{2.5}	24-Hour	9.5	13	22.5	65 ¹	65
	Annual	1.7	5	6.7	15 ¹	15

¹ Standard not yet enforced in Wyoming.

Table F.5.10 Maximum Predicted Impacts Within the JIDPA from Alternative C Sources (WDR75)-
Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu\text{g}/\text{m}^3$)	Background Concentration ($\mu\text{g}/\text{m}^3$)	Total Concentration ($\mu\text{g}/\text{m}^3$)	WAAQS ($\mu\text{g}/\text{m}^3$)	NAAQS ($\mu\text{g}/\text{m}^3$)
NO ₂	Annual	9.1	3.4	12.5	100	100
	3 Hour	13.9	132	145.9	1,300	1,300
SO ₂	24-Hour	3.4	43	46.4	260	365
	Annual	0.3	9	9.3	60	80
PM ₁₀	24-Hour	43.1	33	76.1	150	150
	Annual	6.3	16	22.3	50	50
PM _{2.5}	24-Hour	8.3	13	21.3	65 ¹	65
	Annual	1.4	5	6.4	15 ¹	15

¹ Standard not yet enforced in Wyoming.

Table F.5.11 Maximum Predicted Impacts Within the JIDPA from Alternative F Sources (WDR250)-
Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu\text{g}/\text{m}^3$)	Background Concentration ($\mu\text{g}/\text{m}^3$)	Total Concentration ($\mu\text{g}/\text{m}^3$)	WAAQS ($\mu\text{g}/\text{m}^3$)	NAAQS ($\mu\text{g}/\text{m}^3$)
NO ₂	Annual	16.5	3.4	19.9	100	100
	3 Hour	20.3	132	152.3	1,300	1,300
SO ₂	24-Hour	4.1	43	47.1	260	365
	Annual	0.4	9	9.4	60	80
PM ₁₀	24-Hour	105.6	33	138.6	150	150
	Annual	15.1	16	31.1	50	50
PM _{2.5}	24-Hour	20.4	13	33.4	65 ¹	65
	Annual	3.2	5	8.2	15 ¹	15

¹ Standard not yet enforced in Wyoming.

Table F.5.12 Maximum Predicted Impacts Within the JIDPA from Alternative F Sources (WDR150)-
Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu\text{g}/\text{m}^3$)	Background Concentration ($\mu\text{g}/\text{m}^3$)	Total Concentration ($\mu\text{g}/\text{m}^3$)	WAAQS ($\mu\text{g}/\text{m}^3$)	NAAQS ($\mu\text{g}/\text{m}^3$)
NO ₂	Annual	15.7	3.4	19.1	100	100
	3 Hour	15.4	132	147.4	1,300	1,300
SO ₂	24-Hour	3.8	43	46.8	260	365
	Annual	0.4	9	9.4	60	80
PM ₁₀	24-Hour	104.0	33	137.0	150	150
	Annual	14.9	16	30.9	50	50
PM _{2.5}	24-Hour	19.4	13	32.4	65 ¹	65
	Annual	3.1	5	8.1	15 ¹	15

¹ Standard not yet enforced in Wyoming.

Table F.5.13 Maximum Predicted Impacts Within the JIDPA from Alternative F Sources (WDR75)-
Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu\text{g}/\text{m}^3$)	Background Concentration ($\mu\text{g}/\text{m}^3$)	Total Concentration ($\mu\text{g}/\text{m}^3$)	WAAQS ($\mu\text{g}/\text{m}^3$)	NAAQS ($\mu\text{g}/\text{m}^3$)
NO ₂	Annual	14.2	3.4	17.6	100	100
	3 Hour	15.4	132	147.4	1,300	1,300
SO ₂	24-Hour	3.8	43	46.8	260	365
	Annual	0.3	9	9.3	60	80
PM ₁₀	24-Hour	97.1	33	130.1	150	150
	Annual	14.0	16	30.0	50	50
PM _{2.5}	24-Hour	17.7	13	30.7	65 ¹	65
	Annual	2.9	5	7.9	15 ¹	15

¹ Standard not yet enforced in Wyoming.

Table F.5.14 Maximum Predicted Cumulative Impacts Within the JIDPA from No Action and Regional Sources - Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu\text{g}/\text{m}^3$)	Background Concentration ($\mu\text{g}/\text{m}^3$)	Total Concentration ($\mu\text{g}/\text{m}^3$)	WAAQS ($\mu\text{g}/\text{m}^3$)	NAAQS ($\mu\text{g}/\text{m}^3$)
NO ₂	Annual	1.2	3.4	4.6	100	100
	3 Hour	0.7	132	132.7	1,300	1,300
SO ₂	24-Hour	0.1	43	43.1	260	365
	Annual	0.0	9	9.0	60	80
PM ₁₀	24-Hour	0.3	33	33.3	150	150
	Annual	0.0	16	16.0	50	50
PM _{2.5}	24-Hour	0.3	13	13.3	65 ¹	65
	Annual	0.0	5	5.0	15 ¹	15

¹ Standard not yet enforced in Wyoming.

Table F.5.15 Maximum Predicted Cumulative Impacts Within the JIDPA from Maximum Proposed Action Production and Regional Sources - Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu\text{g}/\text{m}^3$)	Background Concentration ($\mu\text{g}/\text{m}^3$)	Total Concentration ($\mu\text{g}/\text{m}^3$)	WAAQS ($\mu\text{g}/\text{m}^3$)	NAAQS ($\mu\text{g}/\text{m}^3$)
NO ₂	Annual	3.2	3.4	6.6	100	100
	3 Hour	0.7	132	132.7	1,300	1,300
SO ₂	24-Hour	0.1	43	43.1	260	365
	Annual	0.0	9	9.0	60	80
PM ₁₀	24-Hour	90.5	33	123.5	150	150
	Annual	12.6	16	28.6	50	50
PM _{2.5}	24-Hour	16.5	13	29.5	65 ¹	65
	Annual	2.0	5	7.0	15 ¹	15

¹ Standard not yet enforced in Wyoming.

Table F.5.16 Maximum Predicted Cumulative Impacts Within the JIDPA from Alternative A (WDR250) and Regional Sources - Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu\text{g}/\text{m}^3$)	Background Concentration ($\mu\text{g}/\text{m}^3$)	Total Concentration ($\mu\text{g}/\text{m}^3$)	WAAQS ($\mu\text{g}/\text{m}^3$)	NAAQS ($\mu\text{g}/\text{m}^3$)
NO ₂	Annual	14.0	3.4	17.4	100	100
	3 Hour	18.2	132	150.2	1,300	1,300
SO ₂	24-Hour	3.6	43	46.6	260	365
	Annual	0.4	9	9.4	60	80
PM ₁₀	24-Hour	113.4	33	146.4	150	150
	Annual	16.0	16	32.0	50	50
PM _{2.5}	24-Hour	21.8	13	34.8	65 ¹	65
	Annual	3.1	5	8.1	15 ¹	15

¹ Standard not yet enforced in Wyoming.

Table F.5.17 Maximum Predicted Cumulative Impacts Within the JIDPA from Alternative A (WDR150) and Regional Sources - Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu\text{g}/\text{m}^3$)	Background Concentration ($\mu\text{g}/\text{m}^3$)	Total Concentration ($\mu\text{g}/\text{m}^3$)	WAAQS ($\mu\text{g}/\text{m}^3$)	NAAQS ($\mu\text{g}/\text{m}^3$)
NO ₂	Annual	12.4	3.4	15.8	100	100
	3 Hour	13.9	132	145.9	1,300	1,300
SO ₂	24-Hour	3.2	43	46.2	260	365
	Annual	0.3	9	9.3	60	80
PM ₁₀	24-Hour	104.0	33	137.0	150	150
	Annual	14.7	16	30.7	50	50
PM _{2.5}	24-Hour	19.4	13	32.4	65 ¹	65
	Annual	2.9	5	7.9	15 ¹	15

¹ Standard not yet enforced in Wyoming.

Table F.5.18 Maximum Predicted Cumulative Impacts Within the JIDPA from Alternative A (WDR75) and Regional Sources - Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu\text{g}/\text{m}^3$)	Background Concentration ($\mu\text{g}/\text{m}^3$)	Total Concentration ($\mu\text{g}/\text{m}^3$)	WAAQS ($\mu\text{g}/\text{m}^3$)	NAAQS ($\mu\text{g}/\text{m}^3$)
NO ₂	Annual	10.7	3.4	14.1	100	100
	3 Hour	13.9	132	145.9	1,300	1,300
SO ₂	24-Hour	3.2	43	46.2	260	365
	Annual	0.3	9	9.3	60	80
PM ₁₀	24-Hour	97.2	33	130.2	150	150
	Annual	13.8	16	29.8	50	50
PM _{2.5}	24-Hour	17.9	13	30.9	65 ¹	65
	Annual	2.6	5	7.6	15 ¹	15

¹ Standard not yet enforced in Wyoming.

Table F.5.19 Maximum Predicted Cumulative Impacts Within the JIDPA from Alternative B (WDR250) and Regional Sources - Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu\text{g}/\text{m}^3$)	Background Concentration ($\mu\text{g}/\text{m}^3$)	Total Concentration ($\mu\text{g}/\text{m}^3$)	WAAQS ($\mu\text{g}/\text{m}^3$)	NAAQS ($\mu\text{g}/\text{m}^3$)
NO ₂	Annual	16.5	3.4	19.9	100	100
	3 Hour	22.4	132	154.4	1,300	1,300
SO ₂	24-Hour	4.5	43	47.5	260	365
	Annual	0.4	9	9.4	60	80
PM ₁₀	24-Hour	113.8	33	146.8	150	150
	Annual	16.1	16	32.1	50	50
PM _{2.5}	24-Hour	22.2	13	35.2	65 ¹	65
	Annual	3.3	5	8.3	15 ¹	15

¹ Standard not yet enforced in Wyoming.

Table F.5.20 Maximum Predicted Cumulative Impacts Within the JIDPA from Alternative B (WDR150) and Regional Sources - Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu\text{g}/\text{m}^3$)	Background Concentration ($\mu\text{g}/\text{m}^3$)	Total Concentration ($\mu\text{g}/\text{m}^3$)	WAAQS ($\mu\text{g}/\text{m}^3$)	NAAQS ($\mu\text{g}/\text{m}^3$)
NO ₂	Annual	14.6	3.4	18.0	100	100
	3 Hour	17.1	132	149.1	1,300	1,300
SO ₂	24-Hour	4.0	43	47.0	260	365
	Annual	0.4	9	9.4	60	80
PM ₁₀	24-Hour	104.2	33	137.2	150	150
	Annual	14.8	16	30.8	50	50
PM _{2.5}	24-Hour	19.6	13	32.6	65 ¹	65
	Annual	3.0	5	8.0	15 ¹	15

¹ Standard not yet enforced in Wyoming.

Table F.5.21 Maximum Predicted Cumulative Impacts Within the JIDPA from Alternative B (WDR75) and Regional Sources - Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu\text{g}/\text{m}^3$)	Background Concentration ($\mu\text{g}/\text{m}^3$)	Total Concentration ($\mu\text{g}/\text{m}^3$)	WAAQS ($\mu\text{g}/\text{m}^3$)	NAAQS ($\mu\text{g}/\text{m}^3$)
NO ₂	Annual	12.2	3.4	15.6	100	100
	3 Hour	17.1	132	149.1	1,300	1,300
SO ₂	24-Hour	4.0	43	47.0	260	365
	Annual	0.3	9	9.3	60	80
PM ₁₀	24-Hour	97.2	33	130.2	150	150
	Annual	13.8	16	29.8	50	50
PM _{2.5}	24-Hour	17.9	13	30.9	65 ¹	65
	Annual	2.7	5	7.7	15 ¹	15

¹ Standard not yet enforced in Wyoming.

Table F.5.22 Maximum Predicted Cumulative Impacts Within the JIDPA from Alternative C (WDR250) and Regional Sources - Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu\text{g}/\text{m}^3$)	Background Concentration ($\mu\text{g}/\text{m}^3$)	Total Concentration ($\mu\text{g}/\text{m}^3$)	WAAQS ($\mu\text{g}/\text{m}^3$)	NAAQS ($\mu\text{g}/\text{m}^3$)
NO ₂	Annual	13.0	3.4	16.4	100	100
	3 Hour	18.2	132	150.2	1,300	1,300
SO ₂	24-Hour	3.6	43	46.6	260	365
	Annual	0.4	9	9.4	60	80
PM ₁₀	24-Hour	59.5	33	92.5	150	150
	Annual	8.6	16	24.6	50	50
PM _{2.5}	24-Hour	12.0	13	25.0	65 ¹	65
	Annual	2.0	5	7.0	15 ¹	15

¹ Standard not yet enforced in Wyoming.

Table F.5.23 Maximum Predicted Cumulative Impacts Within the JIDPA from Alternative C (WDR150) and Regional Sources - Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu\text{g}/\text{m}^3$)	Background Concentration ($\mu\text{g}/\text{m}^3$)	Total Concentration ($\mu\text{g}/\text{m}^3$)	WAAQS ($\mu\text{g}/\text{m}^3$)	NAAQS ($\mu\text{g}/\text{m}^3$)
NO ₂	Annual	11.3	3.4	14.7	100	100
	3 Hour	13.9	132	145.9	1,300	1,300
SO ₂	24-Hour	3.2	43	46.2	260	365
	Annual	0.3	9	9.3	60	80
PM ₁₀	24-Hour	50.1	33	83.1	150	150
	Annual	7.3	16	23.3	50	50
PM _{2.5}	24-Hour	9.7	13	22.7	65 ¹	65
	Annual	1.7	5	6.7	15 ¹	15

¹ Standard not yet enforced in Wyoming.

Table F.5.24 Maximum Predicted Cumulative Impacts Within the JIDPA from Alternative C (WDR75) and Regional Sources - Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu\text{g}/\text{m}^3$)	Background Concentration ($\mu\text{g}/\text{m}^3$)	Total Concentration ($\mu\text{g}/\text{m}^3$)	WAAQS ($\mu\text{g}/\text{m}^3$)	NAAQS ($\mu\text{g}/\text{m}^3$)
NO ₂	Annual	9.5	3.4	12.9	100	100
	3 Hour	13.9	132	145.9	1,300	1,300
SO ₂	24-Hour	3.2	43	46.2	260	365
	Annual	0.3	9	9.3	60	80
PM ₁₀	24-Hour	43.2	33	76.2	150	150
	Annual	6.4	16	22.4	50	50
PM _{2.5}	24-Hour	8.4	13	21.4	65 ¹	65
	Annual	1.5	5	6.5	15 ¹	15

¹ Standard not yet enforced in Wyoming.

Table F.5.25 Maximum Predicted Cumulative Impacts Within the JIDPA from Alternative F (WDR250) and Regional Sources - Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu\text{g}/\text{m}^3$)	Background Concentration ($\mu\text{g}/\text{m}^3$)	Total Concentration ($\mu\text{g}/\text{m}^3$)	WAAQS ($\mu\text{g}/\text{m}^3$)	NAAQS ($\mu\text{g}/\text{m}^3$)
NO ₂	Annual	16.8	3.4	20.2	100	100
	3 Hour	20.2	132	152.2	1,300	1,300
SO ₂	24-Hour	4.0	43	47.0	260	365
	Annual	0.4	9	9.4	60	80
PM ₁₀	24-Hour	105.7	33	138.7	150	150
	Annual	15.1	16	31.1	50	50
PM _{2.5}	24-Hour	20.6	13	33.6	65 ¹	65
	Annual	3.2	5	8.2	15 ¹	15

¹ Standard not yet enforced in Wyoming.

Table F.5.26 Maximum Predicted Cumulative Impacts Within the JIDPA from Alternative F (WDR150) and Regional Sources - Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu\text{g}/\text{m}^3$)	Background Concentration ($\mu\text{g}/\text{m}^3$)	Total Concentration ($\mu\text{g}/\text{m}^3$)	WAAQS ($\mu\text{g}/\text{m}^3$)	NAAQS ($\mu\text{g}/\text{m}^3$)
NO ₂	Annual	15.9	3.4	19.3	100	100
	3 Hour	15.4	132	147.4	1,300	1,300
SO ₂	24-Hour	3.6	43	46.6	260	365
	Annual	0.4	9	9.4	60	80
PM ₁₀	24-Hour	104.1	33	137.1	150	150
	Annual	14.9	16	30.9	50	50
PM _{2.5}	24-Hour	19.5	13	32.5	65 ¹	65
	Annual	3.1	5	8.1	15 ¹	15

¹ Standard not yet enforced in Wyoming.

Table F.5.27 Maximum Predicted Cumulative Impacts Within the JIDPA from Alternative F (WDR75) and Regional Sources - Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu\text{g}/\text{m}^3$)	Background Concentration ($\mu\text{g}/\text{m}^3$)	Total Concentration ($\mu\text{g}/\text{m}^3$)	WAAQS ($\mu\text{g}/\text{m}^3$)	NAAQS ($\mu\text{g}/\text{m}^3$)
NO ₂	Annual	14.6	3.4	18.0	100	100
	3 Hour	15.4	132	147.4	1,300	1,300
SO ₂	24-Hour	3.6	43	46.6	260	365
	Annual	0.3	9	9.3	60	80
PM ₁₀	24-Hour	97.2	33	130.2	150	150
	Annual	14.0	16	30.0	50	50
PM _{2.5}	24-Hour	17.9	13	30.9	65 ¹	65
	Annual	2.9	5	7.9	15 ¹	15

¹ Standard not yet enforced in Wyoming.

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Table F.6.1 Maximum Modeled Nitrogen (N) Deposition Impacts (kg/ha-yr) at PSD Class I and Sensitive PSD Class II Areas from Project Alternative Sources

Receptor Area	Modeling Scenario														Deposition Analysis Threshold for Project Alone ¹		
	3,100 Wells Max. Prod.	3,100 Wells WDR250S	3,100 Wells WDR150S	3,100 Wells WDR75S	3,100 Wells WDR250D	3,100 Wells WDR150D	3,100 Wells WDR75D	3,100 Wells WDR250S	3,100 Wells WDR150S	3,100 Wells WDR75S	3,100 Wells WDR250SD	3,100 Wells WDR150SD	3,100 Wells WDR75SD	3,100 Wells WDR250SD		3,100 Wells WDR150SD	3,100 Wells WDR75SD
Bridger WA	0.0067	0.035	0.024	0.017	0.040	0.028	0.018	0.032	0.022	0.014	0.036	0.026	0.018	0.026	0.018	0.018	0.005
Fitzpatrick WA	0.00057	0.0027	0.0019	0.0012	0.0030	0.0021	0.0013	0.0025	0.0017	0.0010	0.0028	0.0020	0.0013	0.0020	0.0013	0.0013	0.005
Grand Teton NP	0.00023	0.0012	0.00081	0.00052	0.0013	0.00090	0.00056	0.0011	0.00074	0.00046	0.0012	0.00085	0.00057	0.00085	0.00057	0.00057	0.005
Popo Agie WA	0.0034	0.017	0.012	0.0077	0.019	0.013	0.0084	0.015	0.010	0.0065	0.017	0.012	0.0085	0.012	0.0085	0.0085	0.005
Teton WA	0.00011	0.00056	0.00039	0.00025	0.00063	0.00043	0.00027	0.00053	0.00036	0.00022	0.00059	0.00041	0.00027	0.00041	0.00027	0.00027	0.005
Washakie WA	0.00014	0.00072	0.00050	0.00032	0.00080	0.00055	0.00035	0.00068	0.00047	0.00029	0.00076	0.00053	0.00035	0.00053	0.00035	0.00035	0.005
Wind River RA	0.00212	0.0099	0.0070	0.0045	0.011	0.0078	0.0049	0.0091	0.0061	0.0037	0.010	0.0073	0.00495	0.0073	0.00495	0.00495	0.005
Yellowstone NP	0.000082	0.00041	0.00028	0.00018	0.00046	0.00032	0.00020	0.00038	0.00026	0.00016	0.00043	0.00030	0.00020	0.00030	0.00020	0.00020	0.005

¹ Fox et al. (1989)

Table F.6.2 Maximum Modeled Cumulative Nitrogen (N) Deposition Impacts (kg/ha-yr) at PSD Class I and Sensitive PSD Class II Areas from Project Alternative and Regional Sources

Receptor Area	No Action	Modeling Scenario														Deposition analysis Threshold for Cumulative Impacts ¹
		3,100 Wells Max. Prod.	3,100 Wells WDR250S	3,100 Wells WDR150S	3,100 Wells WDR75S	3,100 Wells WDR250D	3,100 Wells WDR150D	3,100 Wells WDR75D	3,100 Wells WDR250S	3,100 Wells WDR150S	3,100 Wells WDR75S	3,100 Wells WDR250SD	3,100 Wells WDR150SD	3,100 Wells WDR75SD		
Bridger WA	0.030	0.035	0.057	0.048	0.041	0.061	0.051	0.042	0.055	0.046	0.039	0.059	0.049	0.042	3.00	
Fitzpatrick WA	0.0052	0.0058	0.0079	0.0071	0.0064	0.0082	0.0073	0.0065	0.0077	0.0069	0.0063	0.0081	0.0072	0.0066	3.00	
Grand Teton NP	0.0093	0.0095	0.010	0.010	0.010	0.011	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	3.00	
Popo Agie WA	0.012	0.016	0.029	0.024	0.020	0.031	0.025	0.021	0.028	0.023	0.019	0.0296	0.025	0.021	3.00	
Teton WA	0.0031	0.0032	0.0036	0.0035	0.0033	0.0037	0.0035	0.0033	0.0036	0.0034	0.0033	0.0037	0.0035	0.0034	3.00	
Washakie WA	0.0035	0.0036	0.0040	0.0039	0.0037	0.0041	0.0039	0.0038	0.0040	0.0038	0.0037	0.0041	0.0039	0.0038	3.00	
Wind River RA	0.011	0.013	0.021	0.018	0.015	0.022	0.019	0.016	0.020	0.017	0.014	0.021	0.018	0.016	3.00	
Yellowstone NP	0.0023	0.0024	0.0026	0.0025	0.0024	0.0027	0.0026	0.0025	0.0026	0.0025	0.0024	0.0026	0.0025	0.0025	3.00	

¹ Fox et al. (1989)

Table F.6.3 Maximum Far-field Modeled Sulfur (S) Deposition Impacts (kg/ha-yr) at PSD Class I and Sensitive PSD Class II Areas from Project Alternative Sources

Receptor Area	Modeling Scenario														Deposition Analysis Threshold for Project Alone ¹
	3,100 Wells Max. Prod.	3,100 Wells WDR250S	3,100 Wells WDR150S	3,100 Wells WDR75S	3,100 Wells WDR250D	3,100 Wells WDR150D	3,100 Wells WDR75D	3,100 Wells WDR250S	3,100 Wells WDR150S	3,100 Wells WDR76S	3,100 Wells WDR250SD	3,100 Wells WDR150SD	3,100 Wells WDR75SD	3,100 Wells	
Bridger WA	0.000032	0.0014	0.00090	0.00051	0.0018	0.0011	0.00062	0.0014	0.00088	0.00049	0.0016	0.0010	0.00057	0.00057	0.005
Fitzpatrick WA	0.0000036	0.00015	0.000092	0.000045	0.00018	0.00011	0.000055	0.00015	0.000090	0.000043	0.00016	0.00010	0.000050	0.000050	0.005
Grand Teton NP	0.0000015	0.000066	0.000040	0.000020	0.000080	0.000049	0.000025	0.000065	0.000039	0.000019	0.000073	0.000044	0.000022	0.000022	0.005
Popo Agie WA	0.0000018	0.00073	0.00046	0.00024	0.00090	0.00055	0.00030	0.00072	0.00044	0.00023	0.00081	0.00050	0.00027	0.00027	0.005
Teton WA	0.00000084	0.000037	0.000022	0.000011	0.000045	0.000027	0.000014	0.000036	0.000022	0.000011	0.000041	0.000025	0.000012	0.000012	0.005
Washakie WA	0.00000010	0.000042	0.000026	0.000013	0.000052	0.000031	0.000016	0.000042	0.000025	0.000012	0.000047	0.000029	0.000014	0.000014	0.005
Wind River RA	0.000011	0.00043	0.00026	0.00013	0.00052	0.00032	0.00016	0.00042	0.00026	0.00012	0.00047	0.00029	0.000142	0.000142	0.005
Yellowstone NP	0.00000056	0.000024	0.000015	0.0000074	0.000029	0.000018	0.0000090	0.000024	0.000014	0.0000071	0.000027	0.000016	0.0000082	0.0000082	0.005

¹ Fox et al. (1989)

Table F.6.4 Maximum Modeled Cumulative Sulfur (S) Deposition Impacts (kg/ha-yr) at PSD Class I and Sensitive PSD Class II Areas from Project Alternative and Regional Sources

Receptor Area	No Action	Modeling Scenario														Deposition Analysis Threshold for Cumulative Impacts ¹
		3,100 Wells Max. Prod.	3,100 Wells WDR250S	3,100 Wells WDR150S	3,100 Wells WDR75S	3,100 Wells WDR250S	3,100 Wells WDR150S	3,100 Wells WDR75S	3,100 Wells WDR250S	3,100 Wells WDR150S	3,100 Wells WDR75S	3,100 Wells WDR250S	3,100 Wells WDR150S	3,100 Wells WDR75S		
Bridger WA	-0.00091	-0.00088	-0.00088	-0.00087	-0.00089	-0.00086	-0.00088	-0.00088	-0.00088	-0.00088	-0.00088	-0.00088	-0.00087	-0.00089	5.00	
Fitzpatrick WA	-0.00081	-0.00078	-0.00076	-0.00077	-0.00079	-0.00076	-0.00076	-0.00076	-0.00076	-0.00078	-0.00076	-0.00076	-0.00078	-0.00079	5.00	
Grand Teton NP	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034	5.00		
Popo Agie WA	-0.0026	-0.0023	-0.0021	-0.0023	-0.0024	-0.0021	-0.0021	-0.0021	-0.0021	-0.0023	-0.0021	-0.0021	-0.0023	5.00		
Teton WA	0.00081	0.00083	0.00085	0.00084	0.00083	0.00086	0.00083	0.00083	0.00083	0.00083	0.00085	0.00083	0.00084	5.00		
Washakie WA	-0.00014	-0.00013	-0.00013	-0.00013	-0.00014	-0.00013	-0.00013	-0.00013	-0.00013	-0.00013	-0.00013	-0.00013	-0.00013	5.00		
Wind River RA	-0.0011	-0.0011	-0.0011	-0.0011	-0.0011	-0.0011	-0.0011	-0.0011	-0.0011	-0.0011	-0.0011	-0.0011	-0.0011	5.00		
Yellowstone NP	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	5.00		

¹ Fox et al. (1989)

Table F.7.1 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Maximum Production Proposed Action Sources

Lake	Wilderness Area	Background ANC (µeq/L)	Level of Acceptable Change ¹ (µeq/L)	ANC Change (µeq/L)	Percent ANC Change (%)
Black Joe	Bridger	67.0	6.70	0.02	0.033%
Deep	Bridger	59.9	5.99	0.02	0.041%
Hobbs	Bridger	69.9	6.99	0.00	0.006%
Lazy Boy	Bridger	18.8	1.00	0.00	0.008%
Upper Frozen	Bridger	5.0	1.00	0.03	0.567%
Lower Saddlebag	Popo Agie	55.5	5.55	0.03	0.046%
Ross	Fitzpatrick	53.5	5.35	0.00	0.003%

¹ USFS Level of Acceptable Change (USFS 2000).

Table F.7.2 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Alternative A Sources (WDR250)

Lake	Wilderness Area	Background ANC (µeq/L)	Level of Acceptable Change ¹ (µeq/L)		Percent ANC Change (%)
			ANC Change	ANC Change	
Black Joe	Bridger	67.0	6.7	0.10	0.155%
Deep	Bridger	59.9	6.0	0.11	0.190%
Hobbs	Bridger	69.9	7.0	0.02	0.030%
Lazy Boy	Bridger	18.8	1.0	0.01	0.038%
Upper Frozen	Bridger	5.0	1.0	0.14	2.808%
Lower Saddlebag	Popo Agie	55.5	5.6	0.13	0.231%
Ross	Fitzpatrick	53.5	5.4	0.01	0.013%

¹ USFS Level of Acceptable Change (USFS 2000).

Table F.7.3 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Alternative A Sources (WDR150)

Lake	Wilderness Area	Background ANC (µeq/L)	Level of Acceptable Change ¹		Percent ANC Change (%)
			ANC Change ¹ (µeq/L)	ANC Change (µeq/L)	
Black Joe	Bridger	67.0	6.7	0.073	0.109%
Deep	Bridger	59.9	6.0	0.080	0.133%
Hobbs	Bridger	69.9	7.0	0.015	0.021%
Lazy Boy	Bridger	18.8	1.0	0.005	0.027%
Upper Frozen	Bridger	5.0	1.0	0.098	1.969%
Lower Saddlebag	Popo Agie	55.5	5.6	0.090	0.161%
Ross	Fitzpatrick	53.5	5.4	0.005	0.009%

¹ USFS Level of Acceptable Change (USFS 2000).

Table F.7.4 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Alternative A Sources (WDR75)

Lake	Wilderness Area	Background ANC (µeq/L)	Level of Acceptable Change ¹ (µeq/L)	ANC Change (µeq/L)	Percent ANC Change (%)
Black Joe	Bridger	67.0	6.7	0.049	0.072%
Deep	Bridger	59.9	6.0	0.052	0.087%
Hobbs	Bridger	69.9	7.0	0.009	0.013%
Lazy Boy	Bridger	18.8	1.0	0.003	0.017%
Upper Frozen	Bridger	5.0	1.0	0.063	1.269%
Lower Saddlebag	Popo Agie	55.5	5.6	0.059	0.107%
Ross	Fitzpatrick	53.5	5.4	0.003	0.006%

¹ USFS Level of Acceptable Change (USFS 2000).

Table F.7.5 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Alternative B Sources (WDR250)

Lake	Wilderness Area	Background ANC (µeq/L)		Level of Acceptable Change ¹ (µeq/L)		Percent ANC Change (%)	
		ANC	Change	Change ¹	ANC Change	ANC Change	Change
Black Joe	Bridger	67.0	6.7	6.7	0.119	0.177%	0.177%
Deep	Bridger	59.9	6.0	6.0	0.130	0.217%	0.217%
Hobbs	Bridger	69.9	7.0	7.0	0.024	0.035%	0.035%
Lazy Boy	Bridger	18.8	1.0	1.0	0.008	0.043%	0.043%
Upper Frozen	Bridger	5.0	1.0	1.0	0.161	3.221%	3.221%
Lower Saddlebag	Popo Agie	55.5	5.6	5.6	0.146	0.263%	0.263%
Ross	Fitzpatrick	53.5	5.4	5.4	0.008	0.015%	0.015%

¹ USFS Level of Acceptable Change (USFS 2000).

Table F.7.6 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Alternative B Sources (WDR150)

Lake	Wilderness Area	Background ANC (µeq/L)	Level of Acceptable Change ¹		Percent ANC Change (%)
			ANC (µeq/L)	Change (µeq/L)	
Black Joe	Bridger	67.0	6.7	0.082	0.122%
Deep	Bridger	59.9	6.0	0.090	0.150%
Hobbs	Bridger	69.9	7.0	0.016	0.023%
Lazy Boy	Bridger	18.8	1.0	0.006	0.030%
Upper Frozen	Bridger	5.0	1.0	0.111	2.219%
Lower Saddlebag	Popo Agie	55.5	5.6	0.100	0.181%
Ross	Fitzpatrick	53.5	5.4	0.006	0.010%

¹ USFS Level of Acceptable Change (USFS 2000).

Table F.7.7 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Alternative B Sources (WDR75)

Lake	Wilderness Area	Background ANC (µeq/L)	Level of Acceptable Change ¹		Percent ANC Change (%)
			ANC (µeq/L)	Change (µeq/L)	
Black Joe	Bridger	67.0	6.7	0.053	0.079%
Deep	Bridger	59.9	6.0	0.057	0.095%
Hobbs	Bridger	69.9	7.0	0.010	0.014%
Lazy Boy	Bridger	18.8	1.0	0.004	0.019%
Upper Frozen	Bridger	5.0	1.0	0.069	1.386%
Lower Saddlebag	Popo Agie	55.5	5.6	0.065	0.117%
Ross	Fitzpatrick	53.5	5.4	0.003	0.007%

¹ USFS Level of Acceptable Change (USFS 2000).

Table F.7.8 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Alternative C Sources (WDR250)

Lake	Wilderness Area	Background ANC (µeq/L)	Level of Acceptable Change ¹		Percent ANC Change (%)
			ANC (µeq/L)	Change (µeq/L)	
Black Joe	Bridger	67.0	6.7	0.095	0.142%
Deep	Bridger	59.9	6.0	0.104	0.173%
Hobbs	Bridger	69.9	7.0	0.020	0.029%
Lazy Boy	Bridger	18.8	1.0	0.007	0.037%
Upper Frozen	Bridger	5.0	1.0	0.129	2.581%
Lower Saddlebag	Popo Agie	55.5	5.6	0.120	0.216%
Ross	Fitzpatrick	53.5	5.4	0.007	0.013%

¹ USFS Level of Acceptable Change (USFS 2000).

Table F.7.9 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Alternative C Sources (WDR150)

Lake	Wilderness Area	Background ANC (µeq/L)		Level of Acceptable Change ¹ (µeq/L)		Percent ANC Change (%)	
		ANC	Change	Change ¹	ANC Change	ANC Change	Change
Black Joe	Bridger	67.0	6.7	6.7	0.064	0.096%	
Deep	Bridger	59.9	6.0	6.0	0.070	0.117%	
Hobbs	Bridger	69.9	7.0	7.0	0.013	0.019%	
Lazy Boy	Bridger	18.8	1.0	1.0	0.005	0.025%	
Upper Frozen	Bridger	5.0	1.0	1.0	0.087	1.741%	
Lower Saddlebag	Popo Agie	55.5	5.6	5.6	0.081	0.146%	
Ross	Fitzpatrick	53.5	5.4	5.4	0.005	0.009%	

¹ USFS Level of Acceptable Change (USFS 2000).

Table F.7.10 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Alternative C Sources (WDR75)

Lake	Wilderness Area	Background ANC (µeq/L)		Level of Acceptable Change ¹ (µeq/L)		Percent ANC Change (%)	
		ANC	(µeq/L)	Change ¹	(µeq/L)	ANC Change	(%)
Black Joe	Bridger	67.0		6.7		0.040	0.059%
Deep	Bridger	59.9		6.0		0.042	0.071%
Hobbs	Bridger	69.9		7.0		0.008	0.012%
Lazy Boy	Bridger	18.8		1.0		0.003	0.016%
Upper Frozen	Bridger	5.0		1.0		0.052	1.041%
Lower Saddlebag	Popo Agie	55.5		5.6		0.051	0.091%
Ross	Fitzpatrick	53.5		5.4		0.003	0.005%

¹ USFS Level of Acceptable Change (USFS 2000).

Table F.7.11 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Alternative F Sources (WDR250)

Lake	Wilderness Area	Background ANC (µeq/L)		Level of Acceptable Change ¹ (µeq/L)		Percent ANC Change (%)	
		ANC	Change ¹	ANC	Change ¹	ANC	Change
Black Joe	Bridger	67.0	6.7	0.109	0.163%		
Deep	Bridger	59.9	6.0	0.120	0.200%		
Hobbs	Bridger	69.9	7.0	0.023	0.033%		
Lazy Boy	Bridger	18.8	1.0	0.008	0.041%		
Upper Frozen	Bridger	5.0	1.0	0.148	2.959%		
Lower Saddlebag	Popo Agie	55.5	5.6	0.135	0.243%		
Ross	Fitzpatrick	53.5	5.4	0.008	0.014%		

¹ USFS Level of Acceptable Change (USFS 2000).

Table F.7.12 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Alternative F Sources (WDR150)

Lake	Wilderness Area	Background ANC (µeq/L)		Level of Acceptable Change ¹ (µeq/L)		Percent ANC Change (%)	
		ANC	(µeq/L)	Change ¹	(µeq/L)	ANC Change	(%)
Black Joe	Bridger	67.0		6.7		0.076	0.113%
Deep	Bridger	59.9		6.0		0.082	0.138%
Hobbs	Bridger	69.9		7.0		0.015	0.022%
Lazy Boy	Bridger	18.8		1.0		0.005	0.028%
Upper Frozen	Bridger	5.0		1.0		0.102	2.047%
Lower Saddlebag	Popo Agie	55.5		5.6		0.093	0.168%
Ross	Fitzpatrick	53.5		5.4		0.005	0.010%

¹ USFS Level of Acceptable Change (USFS 2000).

Table F.7.13 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Alternative F Sources (WDR75)

Lake	Wilderness Area	Background ANC (µeq/L)	Level of Acceptable Change ¹		Percent ANC Change (%)
			ANC (µeq/L)	Change (µeq/L)	
Black Joe	Bridger	67.0	6.7	0.053	0.079%
Deep	Bridger	59.9	6.0	0.057	0.095%
Hobbs	Bridger	69.9	7.0	0.010	0.015%
Lazy Boy	Bridger	18.8	1.0	0.004	0.019%
Upper Frozen	Bridger	5.0	1.0	0.070	1.407%
Lower Saddlebag	Popo Agie	55.5	5.6	0.065	0.117%
Ross	Fitzpatrick	53.5	5.4	0.004	0.007%

¹ USFS Level of Acceptable Change (USFS 2000).

Table F.7.14 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from No Action and Regional Sources

Lake	Wilderness Area	Background ANC (µeq/L)		Level of Acceptable Change ¹ (µeq/L)		Percent ANC Change (%)	
		ANC	(µeq/L)	Change ¹	(µeq/L)	ANC Change	(%)
Black Joe	Bridger	67.0	67.0	6.70	0.085	0.13%	
Deep	Bridger	59.9	59.9	5.99	0.087	0.14%	
Hobbs	Bridger	69.9	69.9	6.99	0.042	0.06%	
Lazy Boy	Bridger	18.8	18.8	1.00	0.025	0.13%	
Upper Frozen	Bridger	5.0	5.0	1.00	0.091	1.83%	
Lower Saddlebag	Popo Agie	55.5	55.5	5.55	0.096	0.17%	
Ross	Fitzpatrick	53.5	53.5	5.35	0.026	0.05%	

¹ USFS Level of Acceptable Change (USFS 2000).

Table F.7.15 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Maximum Production Proposed Action and Regional Sources

Lake	Wilderness Area	Background ANC (µeq/L)	Level of Acceptable Change ¹ (µeq/L)	ANC Change (µeq/L)	Percent ANC Change (%)
Black Joe	Bridger	67.0	6.70	0.107	0.16%
Deep	Bridger	59.9	5.99	0.111	0.18%
Hobbs	Bridger	69.9	6.99	0.046	0.07%
Lazy Boy	Bridger	18.8	1.00	0.026	0.14%
Upper Frozen	Bridger	5.0	1.00	0.120	2.39%
Lower Saddlebag	Popo Agie	55.5	5.55	0.122	0.22%
Ross	Fitzpatrick	53.5	5.35	0.027	0.05%

¹ USFS Level of Acceptable Change (USFS 2000).

Table F.7.16 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Alternative A (WDR250) and Regional Sources

Lake	Wilderness Area	Background ANC (µeq/L)	Level of Acceptable Change ¹ (µeq/L)	ANC Change (µeq/L)	Percent ANC Change (%)
Black Joe	Bridger	67.0	6.70	0.185	0.28%
Deep	Bridger	59.9	5.99	0.196	0.33%
Hobbs	Bridger	69.9	6.99	0.062	0.09%
Lazy Boy	Bridger	18.8	1.00	0.032	0.17%
Upper Frozen	Bridger	5.0	1.00	0.227	4.53%
Lower Saddlebag	Popo Agie	55.5	5.55	0.220	0.40%
Ross	Fitzpatrick	53.5	5.35	0.032	0.06%

¹ USFS Level of Acceptable Change (USFS 2000).

Table F.7.17 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Alternative A (WDR150) and Regional Sources

Lake	Wilderness Area	Background ANC (µeq/L)	Level of Acceptable Change ¹ (µeq/L)	ANC Change (µeq/L)	Percent ANC Change (%)
Black Joe	Bridger	67.0	6.70	0.156	0.23%
Deep	Bridger	59.9	5.99	0.164	0.27%
Hobbs	Bridger	69.9	6.99	0.056	0.08%
Lazy Boy	Bridger	18.8	1.00	0.030	0.16%
Upper Frozen	Bridger	5.0	1.00	0.187	3.73%
Lower Saddlebag	Popo Agie	55.5	5.55	0.183	0.33%
Ross	Fitzpatrick	53.5	5.35	0.030	0.06%

¹ USFS Level of Acceptable Change (USFS 2000).

Table F.7.18 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Alternative A (WDR75) and Regional Sources

Lake	Wilderness Area	Background ANC (µeq/L)	Level of Acceptable Change ¹		Percent ANC Change
			ANC (µeq/L)	Change (µeq/L)	
Black Joe	Bridger	67.0	6.70	0.132	0.20%
Deep	Bridger	59.9	5.99	0.137	0.23%
Hobbs	Bridger	69.9	6.99	0.051	0.07%
Lazy Boy	Bridger	18.8	1.00	0.028	0.15%
Upper Frozen	Bridger	5.0	1.00	0.153	3.06%
Lower Saddlebag	Popo Agie	55.5	5.55	0.154	0.28%
Ross	Fitzpatrick	53.5	5.35	0.029	0.05%

¹ USFS Level of Acceptable Change (USFS 2000).

Table F.7.19 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Alternative B (WDR250) and Regional Sources

Lake	Wilderness Area	Background ANC (µeq/L)	Level of Acceptable Change ¹ (µeq/L)	ANC Change (µeq/L)	Percent ANC Change (%)
Black Joe	Bridger	67.0	6.70	0.199	0.30%
Deep	Bridger	59.9	5.99	0.211	0.35%
Hobbs	Bridger	69.9	6.99	0.065	0.09%
Lazy Boy	Bridger	18.8	1.00	0.032	0.17%
Upper Frozen	Bridger	5.0	1.00	0.246	4.92%
Lower Saddlebag	Popo Agie	55.5	5.55	0.237	0.43%
Ross	Fitzpatrick	53.5	5.35	0.033	0.06%

¹ USFS Level of Acceptable Change (USFS 2000).

Table F.7.20 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Alternative B (WDR150) and Regional Sources

Lake	Wilderness Area	Background ANC (µeq/L)	Level of Acceptable Change ¹ (µeq/L)	ANC Change (µeq/L)	Percent ANC Change (%)
Black Joe	Bridger	67.0	6.70	0.164	0.24%
Deep	Bridger	59.9	5.99	0.173	0.29%
Hobbs	Bridger	69.9	6.99	0.057	0.08%
Lazy Boy	Bridger	18.8	1.00	0.030	0.16%
Upper Frozen	Bridger	5.0	1.00	0.198	3.97%
Lower Saddlebag	Popo Agie	55.5	5.55	0.193	0.35%
Ross	Fitzpatrick	53.5	5.35	0.031	0.06%

¹ USFS Level of Acceptable Change (USFS 2000).

Table F.7.21 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Alternative B (WDR75) and Regional Sources

Lake	Wilderness Area	Background ANC (µeq/L)	Level of Acceptable Change ¹		Percent ANC Change
			ANC (µeq/L)	Change (µeq/L)	
Black Joe	Bridger	67.0	6.70	0.137	0.20%
Deep	Bridger	59.9	5.99	0.142	0.24%
Hobbs	Bridger	69.9	6.99	0.051	0.07%
Lazy Boy	Bridger	18.8	1.00	0.028	0.15%
Upper Frozen	Bridger	5.0	1.00	0.159	3.17%
Lower Saddlebag	Popo Agie	55.5	5.55	0.160	0.29%
Ross	Fitzpatrick	53.5	5.35	0.029	0.05%

¹ USFS Level of Acceptable Change (USFS 2000).

Table F.7.22 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Alternative C (WDR250) and Regional Sources

Lake	Wilderness Area	Background ANC (µeq/L)	Level of Acceptable Change ¹ (µeq/L)	ANC Change (µeq/L)	Percent ANC Change (%)
Black Joe	Bridger	67.0	6.70	0.177	0.26%
Deep	Bridger	59.9	5.99	0.186	0.31%
Hobbs	Bridger	69.9	6.99	0.061	0.09%
Lazy Boy	Bridger	18.8	1.00	0.031	0.17%
Upper Frozen	Bridger	5.0	1.00	0.215	4.31%
Lower Saddlebag	Popo Agie	55.5	5.55	0.212	0.38%
Ross	Fitzpatrick	53.5	5.35	0.032	0.06%

¹ USFS Level of Acceptable Change (USFS 2000).

Table F.7.23 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Alternative C (WDR150) and Regional Sources

Lake	Wilderness Area	Background ANC (µeq/L)	Level of Acceptable Change ¹ (µeq/L)	ANC Change (µeq/L)	Percent ANC Change (%)
Black Joe	Bridger	67.0	6.70	0.147	0.22%
Deep	Bridger	59.9	5.99	0.154	0.26%
Hobbs	Bridger	69.9	6.99	0.054	0.08%
Lazy Boy	Bridger	18.8	1.00	0.029	0.16%
Upper Frozen	Bridger	5.0	1.00	0.175	3.50%
Lower Saddlebag	Popo Agie	55.5	5.55	0.175	0.31%
Ross	Fitzpatrick	53.5	5.35	0.030	0.06%

¹ USFS Level of Acceptable Change (USFS 2000).

Table F.7.24 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Alternative C (WDR75) and Regional Sources

Lake	Wilderness Area	Background ANC (µeq/L)	Level of Acceptable Change ¹		Percent ANC Change
			ANC (µeq/L)	Change (µeq/L)	
Black Joe	Bridger	67.0	6.70	0.124	0.18%
Deep	Bridger	59.9	5.99	0.128	0.21%
Hobbs	Bridger	69.9	6.99	0.049	0.07%
Lazy Boy	Bridger	18.8	1.00	0.028	0.15%
Upper Frozen	Bridger	5.0	1.00	0.142	2.84%
Lower Saddlebag	Popo Agie	55.5	5.55	0.146	0.26%
Ross	Fitzpatrick	53.5	5.35	0.028	0.05%

¹ USFS Level of Acceptable Change (USFS 2000).

Table F.7.25 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Alternative F (WDR250) and Regional Sources

Lake	Wilderness Area	Background ANC (µeq/L)	Level of Acceptable Change ¹ (µeq/L)	ANC Change (µeq/L)	Percent ANC Change (%)
Black Joe	Bridger	67.0	6.70	0.190	0.28%
Deep	Bridger	59.9	5.99	0.202	0.34%
Hobbs	Bridger	69.9	6.99	0.063	0.09%
Lazy Boy	Bridger	18.8	1.00	0.032	0.17%
Upper Frozen	Bridger	5.0	1.00	0.234	4.67%
Lower Saddlebag	Popo Agie	55.5	5.55	0.226	0.41%
Ross	Fitzpatrick	53.5	5.35	0.033	0.06%

¹ USFS Level of Acceptable Change (USFS 2000).

Table F.7.26 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Alternative F (WDR150) and Regional Sources

Lake	Wilderness Area	Background ANC (µeq/L)	Level of Acceptable Change ¹ (µeq/L)	ANC Change (µeq/L)	Percent ANC Change (%)
Black Joe	Bridger	67.0	6.70	0.159	0.24%
Deep	Bridger	59.9	5.99	0.168	0.28%
Hobbs	Bridger	69.9	6.99	0.057	0.08%
Lazy Boy	Bridger	18.8	1.00	0.030	0.16%
Upper Frozen	Bridger	5.0	1.00	0.192	3.84%
Lower Saddlebag	Popo Agie	55.5	5.55	0.188	0.34%
Ross	Fitzpatrick	53.5	5.35	0.031	0.06%

¹ USFS Level of Acceptable Change (USFS 2000).

Table F.7.27 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Alternative F (WDR75) and Regional Sources

Lake	Wilderness Area	Background ANC (µeq/L)		Level of Acceptable Change ¹ (µeq/L)		Percent ANC Change (%)	
		ANC	(µeq/L)	Change ¹	(µeq/L)	ANC Change	(%)
Black Joe	Bridger	67.0	67.0	6.70	0.137	0.20%	0.20%
Deep	Bridger	59.9	59.9	5.99	0.142	0.24%	0.24%
Hobbs	Bridger	69.9	69.9	6.99	0.052	0.07%	0.07%
Lazy Boy	Bridger	18.8	18.8	1.00	0.028	0.15%	0.15%
Upper Frozen	Bridger	5.0	5.0	1.00	0.160	3.20%	3.20%
Lower Saddlebag	Popo Agie	55.5	55.5	5.55	0.160	0.29%	0.29%
Ross	Fitzpatrick	53.5	53.5	5.35	0.029	0.05%	0.05%

¹ USFS Level of Acceptable Change (USFS 2000).

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Table F.8.1 Maximum Modeled Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Maximum Production Proposed Action Sources

Receptor Area	FLAG Background Data ¹			IMPROVE Background Data ¹		
	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)
	Bridger WA	1.02	3	1	1.14	3
Fitzpatrick WA	0.13	0	0	0.15	0	0
Grand Teton NP	0.08	0	0	0.08	0	0
Popo Agie WA	0.21	0	0	0.24	0	0
Teton WA	0.03	0	0	0.03	0	0
Washakie WA	0.06	0	0	0.06	0	0
Wind River RA	0.18	0	0	0.20	0	0
Yellowstone NP	0.04	0	0	0.04	0	0

¹ Δ adv = change in deciview.

Table F.8.2 Maximum Modeled Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative A Sources (WDR250)

Receptor Area	FLAG Background Data ¹			IMPROVE Background Data ¹		
	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)
Bridger WA	3.16	22	9	3.48	28	10
Fitzpatrick WA	0.56	2	0	0.64	3	0
Grand Teton NP	0.32	0	0	0.33	0	0
Popo Agie WA	0.54	2	0	0.62	2	0
Teton WA	0.14	0	0	0.14	0	0
Washakie WA	0.24	0	0	0.24	0	0
Wind River RA	0.45	0	0	0.52	1	0
Yellowstone NP	0.16	0	0	0.16	0	0

¹ Δ adv = change in deciview.

Table F.8.3 Maximum Modeled Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative A Sources (WDR150)

Receptor Area	FLAG Background Data ¹			IMPROVE Background Data ¹		
	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)
Bridger WA	2.36	16	5	2.61	18	7
Fitzpatrick WA	0.39	0	0	0.45	0	0
Grand Teton NP	0.23	0	0	0.23	0	0
Popo Agie WA	0.39	0	0	0.44	0	0
Teton WA	0.10	0	0	0.10	0	0
Washakie WA	0.17	0	0	0.17	0	0
Wind River RA	0.32	0	0	0.37	0	0
Yellowstone NP	0.11	0	0	0.11	0	0

¹ Δdv = change in deciview.

Table F.8.4 Maximum Modeled Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative A Sources (WDR75)

Receptor Area	FLAG Background Data ¹			IMPROVE Background Data ¹		
	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)
Bridger WA	1.69	10	2	1.87	10	3
Fitzpatrick WA	0.26	0	0	0.30	0	0
Grand Teton NP	0.15	0	0	0.16	0	0
Popo Agie WA	0.30	0	0	0.34	0	0
Teton WA	0.06	0	0	0.07	0	0
Washakie WA	0.11	0	0	0.11	0	0
Wind River RA	0.23	0	0	0.26	0	0
Yellowstone NP	0.07	0	0	0.08	0	0

¹ Δ adv = change in deciview.

Table F.8.5 Maximum Modeled Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative B Sources (WDR250)

Receptor Area	FLAG Background Data ¹			IMPROVE Background Data ¹		
	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)
Bridger WA	3.32	30	11	3.74	33	11
Fitzpatrick WA	0.65	3	0	0.75	3	0
Grand Teton NP	0.36	0	0	0.37	0	0
Popo Agie WA	0.62	2	0	0.71	3	0
Teton WA	0.16	0	0	0.16	0	0
Washakie WA	0.27	0	0	0.27	0	0
Wind River RA	0.52	1	0	0.60	1	0
Yellowstone NP	0.18	0	0	0.18	0	0

¹ Δ adv = change in deciview.

Table F.8.6 Maximum Modeled Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative B Sources (WDR150)

Receptor Area	FLAG Background Data ¹			IMPROVE Background Data ¹		
	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)
Bridger WA	2.47	19	6	2.75	19	8
Fitzpatrick WA	0.44	0	0	0.51	1	0
Grand Teton NP	0.26	0	0	0.26	0	0
Popo Agie WA	0.43	0	0	0.50	1	0
Teton WA	0.11	0	0	0.11	0	0
Washakie WA	0.19	0	0	0.19	0	0
Wind River RA	0.36	0	0	0.42	0	0
Yellowstone NP	0.12	0	0	0.13	0	0

¹ Δ adv = change in deciview.

Table F.8.7 Maximum Modeled Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative B Sources (WDR75)

Receptor Area	FLAG Background Data ¹			IMPROVE Background Data ¹		
	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)
Bridger WA	1.71	11	2	1.90	12	4
Fitzpatrick WA	0.28	0	0	0.32	0	0
Grand Teton NP	0.17	0	0	0.17	0	0
Popo Agie WA	0.29	0	0	0.34	0	0
Teton WA	0.07	0	0	0.07	0	0
Washakie WA	0.12	0	0	0.12	0	0
Wind River RA	0.24	0	0	0.28	0	0
Yellowstone NP	0.08	0	0	0.08	0	0

¹ Δ adv = change in deciview.

Table F.8.8 Maximum Modeled Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative C Sources (WDR250)

Receptor Area	FLAG Background Data ¹			IMPROVE Background Data ¹		
	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)
Bridger WA	2.75	19	8	3.04	22	8
Fitzpatrick WA	0.49	0	0	0.57	3	0
Grand Teton NP	0.29	0	0	0.29	0	0
Popo Agie WA	0.47	0	0	0.54	2	0
Teton WA	0.13	0	0	0.13	0	0
Washakie WA	0.22	0	0	0.22	0	0
Wind River RA	0.39	0	0	0.45	0	0
Yellowstone NP	0.14	0	0	0.15	0	0

¹ Δ adv = change in deciview.

Table F.8.9 Maximum Modeled Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative C Sources (WDR150)

Receptor Area	FLAG Background Data ¹			IMPROVE Background Data ¹		
	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)
Bridger WA	1.92	10	4	2.13	11	4
Fitzpatrick WA	0.34	0	0	0.39	0	0
Grand Teton NP	0.20	0	0	0.20	0	0
Popo Agie WA	0.32	0	0	0.37	0	0
Teton WA	0.09	0	0	0.09	0	0
Washakie WA	0.15	0	0	0.15	0	0
Wind River RA	0.25	0	0	0.29	0	0
Yellowstone NP	0.10	0	0	0.10	0	0

¹ Δ adv = change in deciview.

Table F.8.10 Maximum Modeled Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative C Sources (WDR75)

Receptor Area	FLAG Background Data ¹			IMPROVE Background Data ¹		
	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)
Bridger WA	1.22	6	2	1.36	7	2
Fitzpatrick WA	0.21	0	0	0.24	0	0
Grand Teton NP	0.12	0	0	0.12	0	0
Popo Agie WA	0.20	0	0	0.23	0	0
Teton WA	0.05	0	0	0.05	0	0
Washakie WA	0.09	0	0	0.09	0	0
Wind River RA	0.15	0	0	0.18	0	0
Yellowstone NP	0.06	0	0	0.06	0	0

¹ Δ adv = change in deciview.

Table F.8.11 Maximum Modeled Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative F Sources (WDR250)

Receptor Area	FLAG Background Data ¹			IMPROVE Background Data ¹		
	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)
Bridger WA	3.25	24	10	3.57	31	10
Fitzpatrick WA	0.60	3	0	0.69	3	0
Grand Teton NP	0.34	0	0	0.34	0	0
Popo Agie WA	0.58	2	0	0.66	2	0
Teton WA	0.15	0	0	0.15	0	0
Washakie WA	0.25	0	0	0.25	0	0
Wind River RA	0.48	0	0	0.56	1	0
Yellowstone NP	0.17	0	0	0.17	0	0

¹ Δ adv = change in deciview.

Table F.8.12 Maximum Modeled Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative F Sources (WDR150)

Receptor Area	FLAG Background Data ¹			IMPROVE Background Data ¹		
	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)
Bridger WA	2.44	17	5	2.70	18	8
Fitzpatrick WA	0.42	0	0	0.49	0	0
Grand Teton NP	0.24	0	0	0.25	0	0
Popo Agie WA	0.41	0	0	0.47	0	0
Teton WA	0.10	0	0	0.11	0	0
Washakie WA	0.18	0	0	0.18	0	0
Wind River RA	0.35	0	0	0.40	0	0
Yellowstone NP	0.12	0	0	0.12	0	0

¹ Δ adv = change in deciview.

Table F.8.13 Maximum Modeled Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative F Sources (WDR75)

Receptor Area	FLAG Background Data ¹			IMPROVE Background Data ¹		
	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)
Bridger WA	1.80	11	2	2.00	12	4
Fitzpatrick WA	0.29	0	0	0.34	0	0
Grand Teton NP	0.17	0	0	0.17	0	0
Popo Agie WA	0.31	0	0	0.34	0	0
Teton WA	0.07	0	0	0.07	0	0
Washakie WA	0.12	0	0	0.12	0	0
Wind River RA	0.25	0	0	0.28	0	0
Yellowstone NP	0.08	0	0	0.08	0	0

¹ Δ adv = change in deciview.

Table F.8.14 Maximum Modeled Cumulative Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from No Action and Regional Sources

Receptor Area	FLAG Background Data ¹			IMPROVE Background Data ¹		
	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)
Bridger WA	1.69	8	3	1.94	11	3
Fitzpatrick WA	0.42	0	0	0.49	0	0
Grand Teton NP	0.33	0	0	0.33	0	0
Popo Agie WA	0.50	0	0	0.58	1	0
Teton WA	0.14	0	0	0.14	0	0
Washakie WA	0.17	0	0	0.17	0	0
Wind River RA	0.73	3	0	0.81	3	0
Yellowstone NP	0.15	0	0	0.16	0	0

¹ Δ adv = change in deciview.

Table F.8.15 Maximum Modeled Cumulative Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Maximum Production Proposed Action and Regional Sources

Receptor Area	FLAG Background Data ¹			IMPROVE Background Data ¹		
	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)
Bridger WA	1.98	12	4	2.26	15	4
Fitzpatrick WA	0.48	0	0	0.56	1	0
Grand Teton NP	0.34	0	0	0.35	0	0
Popo Agie WA	0.57	1	0	0.66	3	0
Teton WA	0.16	0	0	0.16	0	0
Washakie WA	0.20	0	0	0.20	0	0
Wind River RA	0.82	3	0	0.92	4	0
Yellowstone NP	0.17	0	0	0.17	0	0

¹ Δ adv = change in deciview.

Table F.8.16 Maximum Modeled Cumulative Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative A (WDR250) and Regional Sources

Receptor Area	FLAG Background Data ¹			IMPROVE Background Data ¹		
	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)
Bridger WA	3.65	40	11	4.01	46	17
Fitzpatrick WA	0.76	5	0	0.87	7	0
Grand Teton NP	0.50	0	0	0.50	1	0
Popo Agie WA	0.85	8	0	0.99	16	0
Teton WA	0.23	0	0	0.24	0	0
Washakie WA	0.34	0	0	0.34	0	0
Wind River RA	1.08	6	1	1.21	12	2
Yellowstone NP	0.25	0	0	0.25	0	0

¹ Δ adv = change in deciview.

Table F.8.17 Maximum Modeled Cumulative Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative A (WDR150) and Regional Sources

Receptor Area	FLAG Background Data ¹			IMPROVE Background Data ¹		
	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)
Bridger WA	2.89	31	9	3.19	37	9
Fitzpatrick WA	0.62	3	0	0.71	5	0
Grand Teton NP	0.41	0	0	0.41	0	0
Popo Agie WA	0.74	6	0	0.86	9	0
Teton WA	0.20	0	0	0.21	0	0
Washakie WA	0.28	0	0	0.29	0	0
Wind River RA	0.98	5	0	1.09	8	2
Yellowstone NP	0.21	0	0	0.21	0	0

¹ Δ adv = change in deciview.

Table F.8.18 Maximum Modeled Cumulative Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative A (WDR75) and Regional Sources

Receptor Area	FLAG Background Data ¹			IMPROVE Background Data ¹		
	Maximum Visibility Impact (Δadv)	Number of Days > 0.5 Δadv (days)	Number of Days > 1.0 Δadv (days)	Maximum Visibility Impact (Δadv)	Number of Days > 0.5 Δadv (days)	Number of Days > 1.0 Δadv (days)
Bridger WA	2.33	20	4	2.65	24	7
Fitzpatrick WA	0.52	1	0	0.61	2	0
Grand Teton NP	0.36	0	0	0.36	0	0
Popo Agie WA	0.66	3	0	0.77	6	0
Teton WA	0.18	0	0	0.18	0	0
Washakie WA	0.24	0	0	0.24	0	0
Wind River RA	0.90	4	0	1.00	6	0
Yellowstone NP	0.18	0	0	0.18	0	0

¹ Δadv = change in deciview.

Table F.8.19 Maximum Modeled Cumulative Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative B (WDR250) and Regional Sources

Receptor Area	FLAG Background Data ¹			IMPROVE Background Data ¹		
	Maximum Visibility Impact (Δadv)	Number of Days > 0.5 Δadv (days)	Number of Days > 1.0 Δadv (days)	Maximum Visibility Impact (Δadv)	Number of Days > 0.5 Δadv (days)	Number of Days > 1.0 Δadv (days)
Bridger WA	3.81	45	15	4.18	54	19
Fitzpatrick WA	0.82	7	0	0.95	7	0
Grand Teton NP	0.54	1	0	0.54	1	0
Popo Agie WA	0.90	11	0	1.04	19	2
Teton WA	0.24	0	0	0.25	0	0
Washakie WA	0.37	0	0	0.37	0	0
Wind River RA	1.12	10	2	1.25	14	2
Yellowstone NP	0.27	0	0	0.27	0	0

¹ Δadv = change in deciview.

Table F.8.20 Maximum Modeled Cumulative Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative B (WDR150) and Regional Sources

Receptor Area	FLAG Background Data ¹			IMPROVE Background Data ¹		
	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)
Bridger WA	2.99	34	11	3.30	40	9
Fitzpatrick WA	0.65	3	0	0.76	5	0
Grand Teton NP	0.43	0	0	0.44	0	0
Popo Agie WA	0.77	7	0	0.90	10	0
Teton WA	0.21	0	0	0.21	0	0
Washakie WA	0.30	0	0	0.30	0	0
Wind River RA	1.00	5	1	1.11	8	2
Yellowstone NP	0.22	0	0	0.22	0	0

¹ Δ adv = change in deciview.

Table F.8.21 Maximum Modeled Cumulative Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative B (WDR75) and Regional Sources

Receptor Area	FLAG Background Data ¹			IMPROVE Background Data ¹		
	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)
Bridger WA	2.38	21	5	2.71	28	7
Fitzpatrick WA	0.53	2	0	0.61	2	0
Grand Teton NP	0.36	0	0	0.36	0	0
Popo Agie WA	0.68	4	0	0.78	6	0
Teton WA	0.18	0	0	0.18	0	0
Washakie WA	0.25	0	0	0.25	0	0
Wind River RA	0.90	4	0	1.01	6	1
Yellowstone NP	0.18	0	0	0.18	0	0

¹ Δ adv = change in deciview.

Table F.8.22 Maximum Modeled Cumulative Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative C (WDR250) and Regional Sources

Receptor Area	FLAG Background Data ¹			IMPROVE Background Data ¹		
	Maximum Visibility Impact (Δadv)	Number of Days > 0.5 Δadv (days)	Number of Days > 1.0 Δadv (days)	Maximum Visibility Impact (Δadv)	Number of Days > 0.5 Δadv (days)	Number of Days > 1.0 Δadv (days)
	Bridger WA	3.27	33	11	3.60	41
Fitzpatrick WA	0.71	4	0	0.82	6	0
Grand Teton NP	0.47	0	0	0.47	0	0
Popo Agie WA	0.83	7	0	0.96	13	0
Teton WA	0.22	0	0	0.23	0	0
Washakie WA	0.32	0	0	0.32	0	0
Wind River RA	1.06	6	1	1.18	11	2
Yellowstone NP	0.24	0	0	0.24	0	0

¹ Δadv = change in deciview.

Table F.8.23 Maximum Modeled Cumulative Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative C (WDR150) and Regional Sources

Receptor Area	FLAG Background Data ¹			IMPROVE Background Data ¹		
	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)
Bridger WA	2.56	23	8	2.92	29	7
Fitzpatrick WA	0.57	2	0	0.66	3	0
Grand Teton NP	0.38	0	0	0.38	0	0
Popo Agie WA	0.72	4	0	0.83	7	0
Teton WA	0.20	0	0	0.20	0	0
Washakie WA	0.27	0	0	0.27	0	0
Wind River RA	0.95	4	0	1.06	6	1
Yellowstone NP	0.19	0	0	0.20	0	0

¹ Δ adv = change in deciview.

Table F.8.24 Maximum Modeled Cumulative Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative C (WDR75) and Regional Sources

Receptor Area	FLAG Background Data ¹			IMPROVE Background Data ¹		
	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)
Bridger WA	2.22	15	4	2.53	20	4
Fitzpatrick WA	0.51	1	0	0.59	2	0
Grand Teton NP	0.36	0	0	0.36	0	0
Popo Agie WA	0.64	1	0	0.74	4	0
Teton WA	0.17	0	0	0.17	0	0
Washakie WA	0.23	0	0	0.23	0	0
Wind River RA	0.87	3	0	0.97	4	0
Yellowstone NP	0.17	0	0	0.17	0	0

¹ Δ adv = change in deciview.

Table F.8.25 Maximum Modeled Cumulative Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative F (WDR250) and Regional Sources

Receptor Area	FLAG Background Data ¹			IMPROVE Background Data ¹		
	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)
Bridger WA	3.73	41	14	4.10	50	17
Fitzpatrick WA	0.78	6	0	0.90	7	0
Grand Teton NP	0.51	1	0	0.52	1	0
Popo Agie WA	0.87	8	0	1.00	17	1
Teton WA	0.24	0	0	0.24	0	0
Washakie WA	0.35	0	0	0.36	0	0
Wind River RA	1.11	8	1	1.23	13	2
Yellowstone NP	0.26	0	0	0.26	0	0

¹ Δ adv = change in deciview.

Table F.8.26 Maximum Modeled Cumulative Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative F (WDR150) and Regional Sources

Receptor Area	FLAG Background Data ¹			IMPROVE Background Data ¹		
	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)
Bridger WA	2.97	32	10	3.27	38	9
Fitzpatrick WA	0.63	3	0	0.73	5	0
Grand Teton NP	0.42	0	0	0.43	0	0
Popo Agie WA	0.76	7	0	0.88	9	0
Teton WA	0.21	0	0	0.21	0	0
Washakie WA	0.29	0	0	0.29	0	0
Wind River RA	0.99	5	0	1.11	8	2
Yellowstone NP	0.21	0	0	0.21	0	0

¹ Δdv = change in deciview.

Table F.8.27 Maximum Modeled Cumulative Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Alternative F (WDR75) and Regional Sources

Receptor Area	FLAG Background Data ¹			IMPROVE Background Data ¹		
	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)	Maximum Visibility Impact (Δ adv)	Number of Days > 0.5 Δ adv (days)	Number of Days > 1.0 Δ adv (days)
Bridger WA	2.39	22	6	2.72	28	7
Fitzpatrick WA	0.53	2	0	0.62	2	0
Grand Teton NP	0.36	0	0	0.37	0	0
Popo Agie WA	0.68	4	0	0.78	6	0
Teton WA	0.18	0	0	0.19	0	0
Washakie WA	0.25	0	0	0.25	0	0
Wind River RA	0.91	4	0	1.01	6	1
Yellowstone NP	0.18	0	0	0.18	0	0

¹ Δ adv = change in deciview.

Table F.8.28 Bridger Wilderness Area - Summary of Days Above Visibility Thresholds Using FLAG Background Data
 Predicted dv Shown for Each Modeling Scenario (1-27)

JDAY	MO	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27		
3	1	3	-	-	-	-	0.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
5	1	5	0.79	2.93	2.16	1.51	3.30	2.41	1.65	2.61	1.82	1.14	3.04	2.27	1.67	1.69	1.98	3.22	2.67	2.33	3.58	2.78	2.38	2.95	2.56	2.22	3.33	2.72	2.39		
6	1	6	0.58	1.65	1.23	0.87	1.83	1.35	0.93	1.36	0.93	0.57	1.75	1.32	0.97	-	1.15	2.16	1.77	1.43	2.34	1.88	1.48	1.89	1.49	1.14	2.26	1.85	1.52		
19	1	19	-	0.53	-	-	0.61	-	-	-	-	-	0.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
20	1	20	-	0.70	0.51	-	0.81	0.58	-	0.61	-	-	0.72	0.53	-	-	-	-	-	-	1.00	-	-	-	-	-	-	-	-		
22	1	22	-	1.34	0.94	0.67	1.54	1.05	0.73	1.20	0.79	0.52	1.41	0.98	0.73	-	-	1.64	1.25	-	1.83	1.35	1.04	1.50	1.10	-	1.70	1.29	1.05		
23	1	23	-	0.66	-	-	0.74	0.50	-	0.57	-	-	0.72	-	-	1.02	1.19	1.61	1.43	1.27	1.69	1.47	1.28	1.53	1.35	1.18	1.67	1.45	1.29		
25	1	25	-	0.53	-	-	0.59	-	-	-	-	-	0.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
29	1	29	-	1.78	1.29	0.86	2.01	1.42	0.89	1.59	1.10	0.65	1.88	1.37	0.94	-	-	1.85	1.37	-	2.09	1.50	-	1.67	1.18	-	1.96	1.45	1.03		
38	2	7	-	-	-	-	0.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
43	2	8	-	0.65	-	-	0.72	0.51	-	0.54	-	-	0.71	0.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
49	2	12	-	0.82	0.60	-	0.94	0.68	-	0.71	-	-	0.86	0.64	-	-	-	-	-	-	1.11	-	-	-	-	-	1.04	-	-		
62	3	3	-	-	-	-	0.53	-	-	-	-	-	0.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
85	3	26	-	-	-	-	0.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
89	3	30	-	-	-	-	0.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
107	4	17	-	1.24	0.89	0.60	1.38	0.98	0.65	1.05	0.70	-	1.25	0.91	0.66	-	-	1.28	-	-	1.42	1.02	-	1.10	-	-	1.29	-	-		
108	4	18	-	1.75	1.26	0.85	1.89	1.36	0.90	1.53	1.04	0.61	1.77	1.31	0.93	-	-	1.79	1.31	-	1.93	1.41	-	1.58	1.08	-	1.81	1.35	-		
131	5	11	-	-	-	-	0.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
264	9	21	-	0.60	-	-	0.70	0.52	-	0.51	-	-	0.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
273	9	30	-	0.99	0.71	-	1.16	0.81	0.53	0.88	0.60	-	1.04	0.75	0.53	-	-	1.31	1.03	-	1.47	1.13	-	1.20	-	-	1.36	1.07	-	-	
281	10	8	-	0.67	0.54	-	0.76	0.60	-	0.52	-	-	0.67	0.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
308	11	4	-	-	-	-	0.57	-	-	-	-	-	0.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
350	12	16	-	-	-	-	0.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
351	12	17	-	1.16	0.85	0.65	1.33	0.96	0.71	0.99	0.67	-	1.22	0.92	0.72	-	-	1.26	-	-	1.43	1.06	-	1.09	-	-	1.32	1.02	-	-	
352	12	18	-	0.90	0.66	0.51	1.01	0.73	0.55	0.72	-	-	0.95	0.70	0.55	-	-	-	-	-	1.07	-	-	-	-	-	1.00	-	-		
353	12	19	-	0.73	0.50	-	0.82	0.55	-	0.63	-	-	0.79	0.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
355	12	21	1.02	3.16	2.36	1.69	3.32	2.47	1.71	2.75	1.92	1.22	3.25	2.44	1.80	1.00	1.65	3.65	2.89	2.26	3.81	2.99	2.28	3.27	2.47	1.81	3.73	2.97	2.36		
356	12	22	-	1.24	0.90	0.64	1.29	0.92	0.61	1.02	0.68	-	1.30	0.94	0.66	-	-	1.55	1.22	-	1.60	1.24	-	1.34	1.01	-	1.61	1.26	-		
361	12	27	-	0.56	-	-	0.62	-	-	-	-	-	0.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
362	12	28	-	0.74	0.52	-	0.86	0.59	-	0.65	-	-	0.79	0.54	-	-	-	-	-	-	1.12	-	-	-	-	-	1.05	-	-		
Number of Days dv >= 0.5			3	22	16	10	30	19	11	19	10	6	24	17	11																
Number of Days dv >= 1.0			1.02	3.16	2.36	1.69	3.32	2.47	1.71	2.75	1.92	1.22	3.25	2.44	1.80	1.80	1.69	1.98	3.65	2.89	2.33	3.81	2.99	2.38	3.27	2.56	2.22	3.73	2.97	2.39	
Maximum dv																															

Table F.8.29 Bridger Wilderness Area - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
 Predicted dv Shown for Each Modeling Scenario (1-27)

JDAY	MO	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
3	1	3	-	0.53	-	-	0.59	-	-	-	-	-	0.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
5	1	5	0.91	3.33	2.47	1.73	3.74	2.75	1.89	2.97	2.08	1.31	3.45	2.60	1.92	1.94	2.26	3.66	3.04	2.65	4.06	3.16	2.71	3.36	2.92	2.53	3.78	3.09	2.72	
6	1	6	0.67	1.89	1.41	1.01	2.10	1.55	1.07	1.57	1.08	0.66	2.00	1.51	1.12	-	1.33	2.47	2.02	1.64	2.67	2.15	1.70	2.17	1.71	1.31	2.58	2.12	1.74	
19	1	19	-	0.62	-	-	0.71	0.51	-	0.53	-	-	0.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
20	1	20	-	0.81	0.58	-	0.93	0.67	-	0.70	-	-	0.83	0.61	-	-	-	1.03	-	-	1.15	-	-	-	-	-	1.05	-		
22	1	22	-	1.54	1.08	0.78	1.76	1.21	0.84	1.38	0.91	0.60	1.62	1.13	0.84	-	-	1.88	1.44	1.14	2.09	1.56	1.20	1.72	1.27	-	1.95	1.48	1.20	
23	1	23	-	0.76	0.53	-	0.86	0.58	-	0.66	-	-	0.83	0.56	-	1.17	1.37	1.85	1.64	1.46	1.94	1.69	1.47	1.76	1.55	1.36	1.91	1.67	1.48	
25	1	25	-	0.61	-	-	0.69	-	-	0.55	-	-	0.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
26	1	26	-	-	-	-	0.55	-	-	-	-	-	0.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27	1	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.06	-	-	1.08	-	-	-	-	-	-	-	-	
29	1	29	-	2.04	1.48	0.99	2.30	1.63	1.03	1.83	1.26	0.75	2.15	1.58	1.09	-	-	2.12	1.58	1.08	2.38	1.72	1.12	1.91	1.36	-	2.24	1.67	1.18	
38	2	7	-	0.52	-	-	0.59	-	-	-	-	-	0.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
39	2	8	-	0.76	0.55	-	0.83	0.59	-	0.62	-	-	0.82	0.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
43	2	12	-	0.95	0.69	-	1.09	0.78	0.52	0.82	0.56	-	1.00	0.74	0.53	-	-	1.15	-	-	1.29	-	-	1.03	-	-	1.20	-	-	
60	3	1	-	-	-	-	0.58	-	-	-	-	-	-	-	-	-	-	-	-	-	1.07	-	-	-	-	-	-	-	-	
61	3	2	-	-	-	-	0.56	-	-	-	-	-	0.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
62	3	3	-	0.57	-	-	0.62	-	-	-	-	-	0.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
84	3	25	-	-	-	-	0.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
85	3	26	-	0.54	-	-	0.61	-	-	0.50	-	-	0.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
89	3	30	-	0.52	-	-	0.59	-	-	-	-	-	0.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
107	4	17	-	1.12	0.81	0.55	1.25	0.89	0.59	0.96	0.63	-	1.14	0.83	0.60	-	-	1.16	-	-	1.29	-	-	-	-	-	1.17	-	-	
108	4	18	-	1.59	1.15	0.77	1.72	1.24	0.81	1.39	0.94	0.55	1.62	1.19	0.85	-	-	1.63	1.19	-	1.76	1.28	-	1.43	-	-	1.65	1.23	-	
264	9	21	-	-	-	-	0.58	-	-	-	-	-	0.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
273	9	30	-	0.82	0.58	-	0.96	0.67	-	0.73	-	-	0.86	0.61	-	-	-	1.08	-	-	1.22	-	-	-	-	-	1.12	-	-	
281	10	8	-	0.76	0.61	-	0.86	0.68	0.51	0.59	-	-	0.76	0.63	0.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
308	11	4	-	0.54	-	-	0.63	-	-	-	-	-	0.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
350	12	16	-	0.52	-	-	0.59	-	-	-	-	-	0.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
351	12	17	-	1.29	0.95	0.72	1.48	1.07	0.79	1.10	0.75	0.52	1.36	1.02	0.81	-	-	1.40	1.06	-	1.59	1.18	-	1.21	-	-	1.46	1.13	-	
352	12	18	-	1.00	0.74	0.57	1.13	0.81	0.62	0.80	0.53	-	1.05	0.78	0.62	-	-	1.06	-	-	1.19	-	-	-	-	-	1.12	-	-	
353	12	19	-	0.82	0.56	-	0.92	0.61	-	0.70	-	-	0.88	0.60	-	-	-	-	-	-	1.01	-	-	-	-	-	-	-	-	
355	12	21	1.14	3.48	2.61	1.87	3.66	2.73	1.90	3.04	2.13	1.36	3.57	2.70	2.00	1.11	1.83	4.01	3.19	2.50	4.18	3.30	2.52	3.60	2.73	2.01	4.10	3.27	2.61	
356	12	22	-	1.38	1.00	0.71	1.43	1.03	0.68	1.14	0.76	-	1.45	1.05	0.74	-	-	1.72	1.36	1.07	1.78	1.38	1.04	1.49	1.12	-	1.79	1.40	1.09	
361	12	27	-	0.62	-	-	0.69	-	-	0.52	-	-	0.65	-	-	-	-	1.03	-	-	1.05	-	-	1.01	-	-	1.05	-	-	
362	12	28	-	0.82	0.58	-	0.96	0.66	-	0.72	-	-	0.89	0.60	-	-	-	1.11	-	-	1.24	-	-	1.01	-	-	1.17	-	-	
Number of Days dv >= 0.5			3	28	18	10	33	19	12	22	11	7	31	18	12	3	4	17	9	7	19	9	7	13	7	4	17	9	7	
Number of Days dv >= 1.0			1.14	3.48	2.61	1.87	3.74	2.75	1.90	3.04	2.13	1.36	3.57	2.70	2.00	1.94	2.26	4.01	3.19	2.65	4.18	3.30	2.71	3.60	2.92	2.53	4.10	3.27	2.72	
Maximum dv																														

Table F.8.30 Fitzpatrick Wilderness Area - Summary of Days Above Visibility Thresholds Using FLAG Background Data
 Predicted dv Shown for Each Modeling Scenario (1-27)

JDAY	MO	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
25	1	25	-	-	-	-	0.54	-	-	-	-	-	0.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	1	26	-	0.53	-	-	0.60	-	-	-	-	-	0.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	1	29	-	0.56	-	-	0.65	-	-	-	-	-	0.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Days dv >= 0.5			0	2	0	0	3	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of Days dv >= 1.0			0.00	0.56	0.00	0.00	0.65	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum dv			0.00	0.56	0.00	0.00	0.65	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table F.8.31 Fitzpatrick Wilderness Area - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
 Predicted dv Shown for Each Modeling Scenario (1-27)

JDAY	MO	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
25	1	25	-	0.55	-	-	0.62	-	-	0.51	-	-	0.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	1	26	-	0.62	-	-	0.69	-	-	0.56	-	-	0.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	1	29	-	0.64	-	-	0.75	0.51	-	0.57	-	-	0.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Days dv >= 0.5			0	3	0	0	3	1	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of Days dv >= 1.0			0.00	0.64	0.00	0.00	0.75	0.51	0.00	0.57	0.00	0.00	0.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum dv																													

Table F.8.32 Popo Agie Wilderness Area - Summary of Days Above Visibility Thresholds Using FLAG Background Data
 Predicted dv Shown for Each Modeling Scenario (1-27)

JDAY	MO	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
6	1	6	-	0.54	-	-	0.62	-	-	-	-	-	0.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
366	12	22	-	0.54	-	-	0.62	-	-	-	-	-	0.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Days dv >= 0.5			0	2	0	0	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of Days dv >= 1.0			0.00	0.54	0.00	0.00	0.62	0.00	0.00	0.00	0.00	0.00	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum dv																													

Table F.8.33 Popo Agie Wilderness Area - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
 Predicted dv Shown for Each Modeling Scenario (1-27)

JDAY	MO	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
6	1	6	-	0.62	-	-	0.71	0.50	-	0.54	-	-	0.66	-	-	-	-	-	-	-	1.04	-	-	-	-	-	-	-	-
60	3	1	-	-	-	-	0.52	-	-	-	-	-	-	-	-	-	-	-	-	-	1.04	-	-	-	-	-	1.00	-	-
356	12	22	-	0.60	-	-	0.70	-	-	0.53	-	-	0.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Days dv >= 0.5			0	2	0	0	3	1	0	2	0	0	2	0	0	0	0	0	0	0	2	0	0	0	0	0	1	0	0
Number of Days dv >= 1.0			0.00	0.62	0.00	0.00	0.71	0.50	0.00	0.00	0.54	0.00	0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
Maximum dv																													

Table F.8.34 Wind River Roadless Area - Summary of Days Above Visibility Thresholds Using FLAG Background Data
 Predicted dv Shown for Each Modeling Scenario (1-27)

JDAY	MO	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
29	1	29	-	-	-	-	0.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	2	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.01	-	-	-	-	-	-	-	-
361	12	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.08	-	-	-	1.12	1.00	-	1.06	-	-	1.11	-	-
Number of Days dv >= 0.5			0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	2	1	0	1	0	0	1	0	0
Number of Days dv >= 1.0			0.00	0.00	0.00	0.00	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.08	0.00	0.00	1.12	1.00	0.00	1.06	0.00	0.00	1.11	0.00	0.00
Maximum dv			0.00	0.00	0.00	0.00	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.08	0.00	0.00	1.12	1.00	0.00	1.06	0.00	0.00	1.11	0.00	0.00

Table F.8.35 Wind River Roadless Area - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
 Predicted dv Shown for Each Modeling Scenario (1-27)

JDAY	MO	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
29	1	29	-	0.52	-	-	0.60	-	-	-	-	-	0.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	2	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.13	1.02	-	1.17	1.04	-	1.11	-	-	-	-	-
361	12	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.21	1.09	-	1.25	1.11	1.01	1.18	1.06	-	-	-	-
Number of Days dv >= 0.5			0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	2	2	0	2	2	1	2	1	0	2	2	1
Number of Days dv >= 1.0			0.00	0.52	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.56	0.00	0.00	0.00	0.00	1.21	1.09	0.00	1.25	1.11	1.01	1.18	1.06	0.00	1.23	1.11	1.01
Maximum dv																													

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Table F.9.1 Maximum Modeled Visibility Impacts at Wyoming Regional Community Locations from Maximum Production Proposed Action Sources

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact (Δdv) ¹	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv) ¹	Number of Days > 1.0 Δdv (days)
Big Piney	0.57	0	0.66	0
Big Sandy	0.76	0	0.85	0
Boulder	0.49	0	0.56	0
Bronx	0.31	0	0.36	0
Cora	0.60	0	0.69	0
Daniel	0.49	0	0.57	0
Farson	0.47	0	0.55	0
Labarge	0.26	0	0.30	0
Merna	0.19	0	0.22	0
Pinedale	0.93	0	1.07	1

¹ Δdv = change in deciview.

Table F.9.2 Maximum Modeled Visibility Impacts at Wyoming Regional Community Locations from Alternative A Sources (WDR250)

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact (Δdv) ¹ (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv) ¹ (days)	Number of Days > 1.0 Δdv (days)
Big Piney	1.75	2	2.01	6
Big Sandy	2.77	19	3.05	23
Boulder	2.09	9	2.39	12
Bronx	1.48	1	1.70	1
Cora	2.81	1	3.20	1
Daniel	2.24	1	2.56	1
Farson	2.04	5	2.33	6
Labarge	1.15	2	1.32	2
Merna	0.68	0	0.79	0
Pinedale	3.78	2	4.27	3

¹ Δdv = change in deciview.

Table F.9.3 Maximum Modeled Visibility Impacts at Wyoming Regional Community Locations from Alternative A Sources (WDR150)

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact (Δdv) ¹ (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv) ¹ (days)	Number of Days > 1.0 Δdv (days)
Big Piney	1.28	1	1.48	2
Big Sandy	2.04	12	2.26	13
Boulder	1.51	3	1.73	6
Bronx	1.07	1	1.23	1
Cora	2.06	1	2.36	1
Daniel	1.63	1	1.87	1
Farson	1.44	3	1.65	5
Labarge	0.81	0	0.93	0
Merna	0.50	0	0.57	0
Pinedale	2.84	1	3.23	2

¹ Δdv = change in deciview.

Table F.9.4 Maximum Modeled Visibility Impacts at Wyoming Regional Community Locations from Alternative A Sources (WDR75)

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact (Δdv) ¹ (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv) ¹ (days)	Number of Days > 1.0 Δdv (days)
Big Piney	0.89	0	1.03	1
Big Sandy	1.47	2	1.63	3
Boulder	1.00	1	1.15	3
Bronx	0.71	0	0.82	0
Cora	1.37	1	1.57	1
Daniel	1.08	1	1.25	1
Farson	0.98	0	1.13	3
Labarge	0.52	0	0.60	0
Merna	0.33	0	0.38	0
Pinedale	1.92	1	2.20	1

¹ Δdv = change in deciview.

Table F.9.5 Maximum Modeled Visibility Impacts at Wyoming Regional Community Locations from Alternative B Sources (WDR250)

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact (Δdv) ¹ (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv) ¹ (days)	Number of Days > 1.0 Δdv (days)
Big Piney	1.87	5	2.15	9
Big Sandy	3.13	24	3.45	26
Boulder	2.35	11	2.68	18
Bronx	1.66	1	1.91	1
Cora	3.19	1	3.62	2
Daniel	2.55	1	2.90	2
Farson	2.29	6	2.62	7
Labarge	1.29	2	1.48	2
Merna	0.78	0	0.90	0
Pinedale	4.32	3	4.87	5

¹ Δdv = change in deciview.

Table F.9.6 Maximum Modeled Visibility Impacts at Wyoming Regional Community Locations from Alternative B Sources (WDR150)

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact (Δdv) ¹ (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv) ¹ (days)	Number of Days > 1.0 Δdv (days)
Big Piney	1.35	2	1.56	2
Big Sandy	2.29	15	2.53	15
Boulder	1.67	5	1.92	6
Bronx	1.17	1	1.35	1
Cora	2.29	1	2.61	1
Daniel	1.81	1	2.07	1
Farson	1.59	4	1.82	5
Labarge	0.90	0	1.03	1
Merna	0.56	0	0.64	0
Pinedale	3.18	2	3.61	2

¹ Δdv = change in deciview.

Table F.9.7 Maximum Modeled Visibility Impacts at Wyoming Regional Community Locations from Alternative B Sources (WDR75)

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact (Δdv) ¹ (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv) ¹ (days)	Number of Days > 1.0 Δdv (days)
Big Piney	0.90	0	1.04	1
Big Sandy	1.61	3	1.79	6
Boulder	1.08	2	1.24	3
Bronx	0.73	0	0.85	0
Cora	1.44	1	1.66	1
Daniel	1.15	1	1.32	1
Farson	1.05	1	1.21	3
Labarge	0.57	0	0.66	0
Merna	0.36	0	0.42	0
Pinedale	2.09	1	2.39	1

¹ Δdv = change in deciview.

Table F.9.8 Maximum Modeled Visibility Impacts at Wyoming Regional Community Locations from Alternative C Sources (WDR250)

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact (Δdv) ¹ (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv) ¹ (days)	Number of Days > 1.0 Δdv (days)
Big Piney	1.48	2	1.71	4
Big Sandy	2.50	14	2.77	17
Boulder	1.92	6	2.20	9
Bronx	1.32	1	1.52	1
Cora	2.54	1	2.89	1
Daniel	2.00	1	2.29	1
Farson	1.88	5	2.15	5
Labarge	1.10	2	1.26	2
Merna	0.61	0	0.70	0
Pinedale	3.39	2	3.85	2

¹ Δdv = change in deciview.

Table F.9.9 Maximum Modeled Visibility Impacts at Wyoming Regional Community Locations from Alternative C Sources (WDR150)

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact (Δdv) ¹	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv) ¹	Number of Days > 1.0 Δdv (days)
Big Piney	1.00	1	1.16	1
Big Sandy	1.76	6	1.95	8
Boulder	1.33	3	1.53	3
Bronx	0.90	0	1.04	1
Cora	1.77	1	2.03	1
Daniel	1.38	1	1.59	1
Farson	1.27	3	1.46	3
Labarge	0.75	0	0.87	0
Merna	0.42	0	0.49	0
Pinedale	2.41	1	2.75	1

¹ Δdv = change in deciview.

Table F.9.10 Maximum Modeled Visibility Impacts at Wyoming Regional Community Locations from Alternative C Sources (WDR75)

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact (Δdv) ¹	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv) ¹	Number of Days > 1.0 Δdv (days)
Big Piney	0.60	0	0.70	0
Big Sandy	1.17	1	1.30	1
Boulder	0.81	0	0.93	0
Bronx	0.54	0	0.62	0
Cora	1.05	1	1.21	1
Daniel	0.82	0	0.94	0
Farson	0.80	0	0.92	0
Labarge	0.47	0	0.54	0
Merna	0.26	0	0.30	0
Pinedale	1.45	1	1.66	1

¹ Δdv = change in deciview.

Table F.9.11 Maximum Modeled Visibility Impacts at Wyoming Regional Community Locations from Alternative F Sources (WDR250)

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact (Δdv) ¹	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv) ¹	Number of Days > 1.0 Δdv (days)
Big Piney	1.84	4	2.12	7
Big Sandy	2.90	19	3.19	24
Boulder	2.20	10	2.52	16
Bronx	1.55	1	1.78	1
Cora	2.96	1	3.36	2
Daniel	2.36	1	2.69	1
Farson	2.12	5	2.42	6
Labarge	1.21	2	1.40	2
Merna	0.72	0	0.83	0
Pinedale	3.98	3	4.49	3

¹ Δdv = change in deciview.

Table F.9.12 Maximum Modeled Visibility Impacts at Wyoming Regional Community Locations from Alternative F Sources (WDR150)

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact (Δdv) ¹ (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv) ¹ (days)	Number of Days > 1.0 Δdv (days)
Big Piney	1.36	2	1.57	2
Big Sandy	2.16	12	2.39	14
Boulder	1.59	5	1.82	6
Bronx	1.13	1	1.30	1
Cora	2.19	1	2.50	1
Daniel	1.73	1	1.99	1
Farson	1.51	3	1.74	5
Labarge	0.85	0	0.98	0
Merna	0.53	0	0.61	0
Pinedale	3.03	1	3.44	2

¹ Δdv = change in deciview.

Table F.9.13 Maximum Modeled Visibility Impacts at Wyoming Regional Community Locations from Alternative F Sources (WDR75)

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact (Δdv) ¹	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv) ¹	Number of Days > 1.0 Δdv (days)
Big Piney	0.96	0	1.11	1
Big Sandy	1.61	4	1.79	7
Boulder	1.10	2	1.26	3
Bronx	0.78	0	0.90	0
Cora	1.51	1	1.74	1
Daniel	1.20	1	1.37	1
Farson	1.07	1	1.23	3
Labarge	0.58	0	0.67	0
Merna	0.37	0	0.42	0
Pinedale	2.15	1	2.45	1

¹ Δdv = change in deciview.

Table F.9.14 Maximum Modeled Cumulative Visibility Impacts at Wyoming Regional Community Locations from No Action and Regional Sources

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact (Δdv) ¹	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv) ¹	Number of Days > 1.0 Δdv (days)
Big Piney	1.91	5	2.18	7
Big Sandy	1.27	1	1.45	2
Boulder	2.56	4	2.92	4
Bronx	0.66	0	0.74	0
Cora	0.74	0	0.85	0
Daniel	0.68	0	0.79	0
Farson	1.33	3	1.48	3
Labarge	1.62	6	1.86	6
Merna	0.88	0	0.98	0
Pinedale	1.55	2	1.78	2

¹ Δdv = change in deciview.

Table F.9.15 Maximum Modeled Cumulative Visibility Impacts at Wyoming Regional Community Locations from Maximum Production Proposed Action and Regional Sources

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Visibility Impact (Δdv) ¹ (days)	> 1.0 Δdv (days)	Visibility Impact (Δdv) ¹ (days)	Visibility Impact Days > 1.0 Δdv (days)
Big Piney	1.98	7	2.26	11
Big Sandy	1.64	4	1.88	9
Boulder	2.67	5	3.04	5
Bronx	0.69	0	0.77	0
Cora	0.81	0	0.93	0
Daniel	0.79	0	0.89	0
Farson	1.47	6	1.69	8
Labarge	1.79	6	2.05	6
Merna	0.91	0	1.01	1
Pinedale	1.69	4	1.94	5

¹ Δdv = change in deciview.

Table F.9.16 Maximum Modeled Cumulative Visibility Impacts at Wyoming Regional Community Locations from Alternative A (WDR250) and Regional Sources

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact (Δadv) ¹ (days)	Number of Days > 1.0 Δadv (days)	Maximum Visibility Impact (Δadv) ¹ (days)	Number of Days > 1.0 Δadv (days)
Big Piney	2.29	16	2.62	20
Big Sandy	3.29	31	3.62	34
Boulder	3.26	19	3.70	21
Bronx	1.56	1	1.79	1
Cora	2.92	6	3.32	8
Daniel	2.34	6	2.67	11
Farson	2.49	11	2.75	12
Labarge	2.54	9	2.90	12
Merna	1.00	0	1.13	5
Pinedale	3.91	8	4.41	10

¹ Δadv = change in deciview.

Table F.9.17 Maximum Modeled Cumulative Visibility Impacts at Wyoming Regional Community Locations from Alternative A (WDR150) and Regional Sources

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact (Δadv) ¹ (days)	Number of Days > 1.0 Δadv (days)	Maximum Visibility Impact (Δadv) ¹ (days)	Number of Days > 1.0 Δadv (days)
Big Piney	2.09	13	2.39	15
Big Sandy	2.60	20	2.88	24
Boulder	2.89	11	3.28	13
Bronx	1.15	1	1.32	1
Cora	2.18	3	2.49	5
Daniel	1.74	2	1.99	6
Farson	1.99	10	2.26	10
Labarge	2.27	6	2.59	9
Merna	0.96	0	1.07	1
Pinedale	2.98	8	3.38	8

¹ Δadv = change in deciview.

Table F.9.18 Maximum Modeled Cumulative Visibility Impacts at Wyoming Regional Community Locations from Alternative A (WDR75) and Regional Sources

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact (Δadv) ¹ (days)	Number of Days > 1.0 Δadv (days)	Maximum Visibility Impact (Δadv) ¹ (days)	Number of Days > 1.0 Δadv (days)
Big Piney	2.04	10	2.33	13
Big Sandy	2.06	10	2.28	14
Boulder	2.78	8	3.17	9
Bronx	0.80	0	0.92	0
Cora	1.49	1	1.71	3
Daniel	1.20	1	1.38	1
Farson	1.73	10	1.98	10
Labarge	2.04	6	2.33	6
Merna	0.94	0	1.05	1
Pinedale	2.07	5	2.37	8

¹ Δadv = change in deciview.

Table F.9.19 Maximum Modeled Cumulative Visibility Impacts at Wyoming Regional Community Locations from Alternative B (WDR250) and Regional Sources

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact (Δadv) ¹ (days)	Number of Days > 1.0 Δadv (days)	Maximum Visibility Impact (Δadv) ¹ (days)	Number of Days > 1.0 Δadv (days)
Big Piney	2.41	20	2.75	22
Big Sandy	3.64	34	4.00	36
Boulder	3.48	23	3.94	21
Bronx	1.74	1	1.99	4
Cora	3.29	7	3.74	10
Daniel	2.64	10	3.01	14
Farson	2.68	12	2.96	13
Labarge	2.66	12	3.03	12
Merna	1.06	3	1.23	6
Pinedale	4.44	9	5.00	15

¹ Δadv = change in deciview.

Table F.9.20 Maximum Modeled Cumulative Visibility Impacts at Wyoming Regional Community Locations from Alternative B (WDR150) and Regional Sources

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact (Δadv) ¹	Number of Days > 1.0 Δadv (days)	Maximum Visibility Impact (Δadv) ¹	Number of Days > 1.0 Δadv (days)
Big Piney	2.10	13	2.40	17
Big Sandy	2.84	23	3.13	28
Boulder	2.91	13	3.31	16
Bronx	1.25	1	1.44	1
Cora	2.40	3	2.74	6
Daniel	1.92	3	2.19	7
Farson	2.10	10	2.36	10
Labarge	2.34	6	2.67	9
Merna	0.97	0	1.08	2
Pinedale	3.32	8	3.76	8

¹ Δadv = change in deciview.

Table F.9.21 Maximum Modeled Cumulative Visibility Impacts at Wyoming Regional Community Locations from Alternative B (WDR75) and Regional Sources

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact (Δadv) ¹ (days)	Number of Days > 1.0 Δadv (days)	Maximum Visibility Impact (Δadv) ¹ (days)	Number of Days > 1.0 Δadv (days)
Big Piney	2.05	10	2.34	14
Big Sandy	2.20	13	2.43	16
Boulder	2.79	9	3.17	9
Bronx	0.82	0	0.94	0
Cora	1.57	1	1.80	3
Daniel	1.26	1	1.44	2
Farson	1.78	10	2.04	10
Labarge	2.07	6	2.37	6
Merna	0.94	0	1.05	1
Pinedale	2.23	5	2.55	8

¹ Δadv = change in deciview.

Table F.9.22 Maximum Modeled Cumulative Visibility Impacts at Wyoming Regional Community Locations from Alternative C (WDR250) and Regional Sources

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact (Δadv) ¹ (days)	Number of Days > 1.0 Δadv (days)	Maximum Visibility Impact (Δadv) ¹ (days)	Number of Days > 1.0 Δadv (days)
Big Piney	2.24	15	2.55	18
Big Sandy	3.04	23	3.35	30
Boulder	3.11	16	3.54	18
Bronx	1.40	1	1.60	1
Cora	2.65	5	3.01	7
Daniel	2.10	4	2.41	9
Farson	2.36	10	2.61	11
Labarge	2.50	9	2.85	11
Merna	0.99	0	1.10	4
Pinedale	3.52	8	3.99	8

¹ Δadv = change in deciview.

Table F.9.23 Maximum Modeled Cumulative Visibility Impacts at Wyoming Regional Community Locations from Alternative C (WDR150) and Regional Sources

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact (Δadv) ¹ (days)	Number of Days > 1.0 Δadv (days)	Maximum Visibility Impact (Δadv) ¹ (days)	Number of Days > 1.0 Δadv (days)
Big Piney	2.08	12	2.38	14
Big Sandy	2.34	15	2.58	18
Boulder	2.84	10	3.23	10
Bronx	0.98	0	1.13	1
Cora	1.89	1	2.16	5
Daniel	1.49	1	1.71	4
Farson	1.86	10	2.13	10
Labarge	2.22	6	2.54	7
Merna	0.96	0	1.07	1
Pinedale	2.55	6	2.91	8

¹ Δadv = change in deciview.

Table F.9.24 Maximum Modeled Cumulative Visibility Impacts at Wyoming Regional Community Locations from Alternative C (WDR75) and Regional Sources

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact (Δadv) ¹ (days)	Number of Days > 1.0 Δadv (days)	Maximum Visibility Impact (Δadv) ¹ (days)	Number of Days > 1.0 Δadv (days)
Big Piney	2.03	8	2.32	13
Big Sandy	1.78	8	1.97	9
Boulder	2.74	6	3.12	7
Bronx	0.72	0	0.80	0
Cora	1.18	1	1.36	1
Daniel	0.93	0	1.08	1
Farson	1.62	9	1.85	10
Labarge	1.99	6	2.28	6
Merna	0.93	0	1.04	1
Pinedale	1.79	4	2.05	5

¹ Δadv = change in deciview.

Table F.9.25 Maximum Modeled Cumulative Visibility Impacts at Wyoming Regional Community Locations from Alternative F (WDR250) and Regional Sources

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact (Δdv) ¹ (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv) ¹ (days)	Number of Days > 1.0 Δdv (days)
Big Piney	2.37	18	2.70	20
Big Sandy	3.41	32	3.75	34
Boulder	3.36	21	3.80	21
Bronx	1.63	1	1.87	2
Cora	3.06	7	3.48	8
Daniel	2.45	8	2.80	13
Farson	2.59	11	2.86	13
Labarge	2.60	10	2.96	12
Merna	1.00	2	1.16	5
Pinedale	4.10	9	4.63	11

¹ Δdv = change in deciview.

Table F.9.26 Maximum Modeled Cumulative Visibility Impacts at Wyoming Regional Community Locations from Alternative F (WDR150) and Regional Sources

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact (Δadv) ¹ (days)	Number of Days > 1.0 Δadv (days)	Maximum Visibility Impact (Δadv) ¹ (days)	Number of Days > 1.0 Δadv (days)
Big Piney	2.10	13	2.40	16
Big Sandy	2.72	23	3.00	25
Boulder	2.90	12	3.30	14
Bronx	1.21	1	1.39	1
Cora	2.30	3	2.63	6
Daniel	1.84	3	2.11	6
Farson	2.05	10	2.31	10
Labarge	2.30	6	2.63	10
Merna	0.97	0	1.08	1
Pinedale	3.16	8	3.59	8

¹ Δadv = change in deciview.

Table F.9.27 Maximum Modeled Cumulative Visibility Impacts at Wyoming Regional Community Locations from Alternative F (WDR75) and Regional Sources

Receptor Area	FLAG Background Data		IMPROVE Background Data	
	Maximum Visibility Impact (Δadv) ¹ (days)	Number of Days > 1.0 Δadv (days)	Maximum Visibility Impact (Δadv) ¹ (days)	Number of Days > 1.0 Δadv (days)
Big Piney	2.05	10	2.34	14
Big Sandy	2.19	13	2.43	16
Boulder	2.79	9	3.18	9
Bronx	0.86	0	0.99	0
Cora	1.63	1	1.87	3
Daniel	1.31	1	1.50	2
Farson	1.78	10	2.04	10
Labarge	2.08	6	2.38	6
Merna	0.94	0	1.05	1
Pinedale	2.29	5	2.62	8

¹ Δadv = change in deciview.

Table F.9.28 Big Piney - Summary of Days Above Visibility Thresholds Using FLAG Background Data
 Predicted dv Shown for Each Modeling Scenario (1-27)

JDAY	MO	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
5	1	5	-	-	-	-	1.11	-	-	-	-	-	1.03	-	-	-	-	1.45	1.19	-	1.57	1.26	-	1.36	1.10	-	1.48	1.21	-	
19	1	19	-	-	-	-	-	-	-	-	-	-	-	-	-	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27
20	1	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.36	1.17	1.00	1.45	1.23	1.03	1.31	1.11	-	1.41	1.20	1.04	
22	1	22	-	-	-	-	1.09	-	-	-	-	-	1.03	-	-	1.47	1.63	2.29	2.03	1.83	2.41	2.10	1.87	2.24	1.97	1.78	2.37	2.07	1.88	
23	1	23	-	-	-	-	-	-	-	-	-	-	-	-	-	1.91	1.98	2.17	2.09	2.04	2.19	2.10	2.05	2.16	2.08	2.03	2.18	2.10	2.05	
27	1	27	-	-	-	-	-	-	-	-	-	-	-	-	-	1.06	1.09	1.15	1.12	1.11	1.15	1.13	1.11	1.14	1.12	1.10	1.15	1.13	1.11	
39	2	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.15	-	-	1.25	-	-	1.07	-	-	1.20	-	-	
43	2	12	-	-	-	-	1.01	-	-	-	-	-	-	-	-	-	-	1.45	1.23	1.05	1.56	1.29	1.08	1.35	1.13	-	1.50	1.26	1.09	
60	3	1	-	1.75	1.28	-	1.87	1.35	-	1.48	1.00	-	1.84	1.36	-	-	1.09	2.19	1.74	1.39	2.30	1.81	1.40	1.94	1.49	1.13	2.28	1.82	1.45	
61	3	2	-	1.38	-	-	1.55	1.06	-	1.24	-	-	1.44	1.01	-	-	-	1.54	1.12	-	1.71	1.23	-	1.41	-	-	1.60	1.18	-	
86	3	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.10	-	-	-	-	-	1.04	-	-	
123	5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.22	-	-	1.10	-	-	1.18	-	-	
216	8	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.02	-	-	-	-	-	-	-	-	
350	12	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.10	-	-	-	-	-	-	-	-	
352	12	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.04	-	-	-	-	-	1.03	-	-	
353	12	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.20	1.06	-	1.14	1.02	-	1.20	1.06	-	
354	12	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.03	-	-	1.12	-	-	-	-	-	1.07	-	-	
355	12	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.12	1.75	1.52	1.33	1.86	1.59	1.36	1.72	1.49	1.30	1.80	1.56	1.37	
356	12	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.22	1.12	1.03	1.24	1.13	1.04	1.21	1.11	1.02	1.23	1.12	1.04	
360	12	26	-	-	-	-	-	-	-	-	-	-	-	-	-	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	
Number of Days dv >= 1.0			0	2	1	0	5	2	0	2	1	0	4	2	0	5	7	16	13	10	20	13	10	15	12	8	18	13	10	
Maximum dv			0.00	1.75	1.28	0.00	1.87	1.35	0.00	1.48	1.00	0.00	1.84	1.36	0.00	1.91	1.98	2.29	2.09	2.04	2.41	2.10	2.05	2.24	2.08	2.03	2.37	2.10	2.05	

Table F.9.29 Big Piney - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
 Predicted dv Shown for Each Modeling Scenario (1-27)

JDAY	MO	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27		
2	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	
5	1	5	-	1.14	-	-	1.28	-	-	1.03	-	-	1.18	-	-	-	-	1.66	1.37	1.11	1.80	1.45	1.14	1.56	1.26	1.01	1.70	1.39	1.15	1.15	
19	1	19	-	-	-	-	-	-	-	-	-	-	-	-	-	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46
20	1	20	-	-	-	-	1.00	-	-	-	-	-	-	-	-	-	-	1.56	1.34	1.16	1.67	1.41	1.19	1.50	1.28	1.09	1.62	1.38	1.20	1.20	
22	1	22	-	1.09	-	-	1.25	-	-	1.02	-	-	1.19	-	-	1.69	1.87	2.62	2.32	2.10	2.75	2.40	2.14	2.55	2.26	2.03	2.70	2.37	2.15	2.15	
23	1	23	-	-	-	-	-	-	-	-	-	-	-	-	-	2.18	2.26	2.47	2.39	2.33	2.50	2.40	2.34	2.46	2.38	2.32	2.49	2.40	2.34	2.34	
27	1	27	-	-	-	-	-	-	-	-	-	-	-	-	-	1.22	1.25	1.32	1.29	1.27	1.33	1.30	1.27	1.31	1.29	1.27	1.32	1.30	1.28	1.28	
39	2	8	-	1.00	-	-	1.12	-	-	-	-	-	1.07	-	-	-	-	1.33	1.05	-	1.44	1.11	-	1.24	-	-	1.39	1.09	-	-	
43	2	12	-	1.04	-	-	1.17	-	-	-	-	-	1.10	-	-	-	1.05	1.67	1.42	1.22	1.80	1.49	1.25	1.56	1.31	1.10	1.73	1.46	1.26	1.26	
60	3	1	-	2.01	1.48	1.03	2.15	1.56	1.04	1.71	1.16	-	2.12	1.57	1.11	-	1.26	2.51	2.01	1.60	2.64	2.09	1.62	2.22	1.72	1.30	2.62	2.09	1.68	1.68	
61	3	2	-	1.59	1.10	-	1.78	1.22	-	1.44	-	-	1.66	1.17	-	-	-	1.77	1.30	-	1.96	1.42	1.08	1.63	1.14	-	1.84	1.36	1.07	1.07	
86	3	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.16	-	-	1.27	1.01	-	1.07	-	-	1.20	-	-	-	
87	3	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.05	-	-	-	-	-	-	-	-	-	
123	5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.03	-	-	1.11	-	-	-	-	-	1.07	-	-	-	
350	12	16	-	-	-	-	1.09	-	-	-	-	-	1.01	-	-	-	-	1.11	-	-	1.22	-	-	1.01	-	-	1.15	-	-	-	-
351	12	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.02	-	-	-	-	-	-	-	-	-	-
352	12	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.03	-	-	1.16	-	-	-	-	-	-	-	-	-	-
353	12	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.02	1.29	1.16	1.08	1.34	1.18	1.09	1.27	1.14	1.06	1.34	1.18	1.09	1.09	1.09
354	12	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.14	-	-	1.25	1.04	-	1.10	-	-	1.20	1.02	-	-	-
355	12	21	-	-	-	-	1.06	-	-	-	-	-	-	-	-	1.10	1.25	1.94	1.69	1.48	2.06	1.76	1.52	1.91	1.66	1.44	1.99	1.73	1.52	1.52	1.52
356	12	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.04	1.36	1.24	1.15	1.38	1.26	1.16	1.35	1.23	1.14	1.37	1.25	1.15	1.15	1.15
360	12	26	-	-	-	-	-	-	-	-	-	-	-	-	-	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39
Number of Days dv >= 1.0			0	6	2	1	9	2	1	4	1	0	7	2	1	7	11	20	15	13	22	17	14	18	14	13	20	16	14	14	14
Maximum dv			0.00	2.01	1.48	1.03	2.15	1.56	1.04	1.71	1.16	0.00	2.12	1.57	1.11	2.18	2.26	2.62	2.39	2.33	2.75	2.40	2.34	2.55	2.38	2.32	2.70	2.40	2.34	2.34	

Table F.9.30 Big Sandy - Summary of Days Above Visibility Thresholds Using FLAG Background Data
 Predicted dv Shown for Each Modeling Scenario (1-27)

JDAY	MO	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.26	1.13	-	1.34	1.17	1.00	1.16	1.03	-	1.30	1.15	1.02
2	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.06	-	-	1.09	-	-	-	-	-	1.06	-	-
3	1	3	-	-	-	-	1.06	-	-	-	-	-	-	-	-	-	-	1.19	-	-	1.33	1.09	-	1.05	-	-	1.21	1.02	-
5	1	5	-	-	-	-	1.05	-	-	-	-	-	-	-	-	-	-	1.08	-	-	1.21	-	-	-	-	-	1.07	-	-
6	1	6	-	1.63	1.21	-	1.85	1.34	-	1.39	-	-	1.71	1.28	-	-	1.19	2.24	1.84	1.50	2.44	1.97	1.56	2.01	1.60	1.25	2.31	1.91	1.58
16	1	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.07	-	-	1.18	-	-	-	-	-	1.11	-	-
19	1	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.17	1.01	-	1.22	1.05	-	1.09	-	-	1.16	1.01	-
21	1	21	-	1.25	1.00	-	1.45	1.13	-	1.02	-	-	1.29	1.09	-	-	-	1.36	1.12	-	1.56	1.25	-	1.14	-	-	1.40	1.20	-
22	1	22	-	1.96	1.37	-	2.25	1.56	-	1.76	1.17	-	2.08	1.42	-	-	-	2.39	1.84	1.28	2.68	2.02	1.35	2.21	1.65	1.08	2.51	1.89	1.36
23	1	23	-	1.50	1.07	-	1.71	1.22	-	1.37	-	-	1.53	1.14	-	-	-	2.22	2.28	1.92	1.60	2.47	2.06	1.68	2.15	1.81	2.31	1.94	1.72
27	1	27	-	1.45	-	-	1.70	1.09	-	1.24	-	-	1.57	-	-	1.27	1.64	2.54	2.09	1.84	2.76	2.21	1.90	2.34	1.89	1.63	2.64	2.11	1.90
29	1	29	-	1.17	-	-	1.32	-	-	1.17	-	-	1.26	-	-	-	-	1.52	1.21	-	1.67	1.29	1.00	1.36	1.03	-	1.61	1.27	1.03
43	2	12	-	1.13	-	-	1.30	-	-	-	-	-	1.18	-	-	-	-	1.34	1.03	-	1.51	1.14	-	1.19	-	-	1.39	1.07	-
52	2	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.02	-	-	-	-	-	-	-	-
85	3	26	-	-	-	-	1.14	-	-	-	-	-	1.03	-	-	-	-	1.30	1.04	-	1.44	1.14	-	1.18	-	1.34	1.08	-	-
89	3	30	-	1.87	1.38	-	2.12	1.54	-	1.59	1.09	-	1.94	1.47	1.04	-	-	2.03	1.54	1.10	2.28	1.71	1.16	1.76	1.26	-	2.10	1.63	1.21
91	4	1	-	-	-	-	1.05	-	-	-	-	-	-	-	-	-	-	1.12	-	-	1.23	-	-	1.04	-	-	1.16	-	-
115	4	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.06	-	-	1.17	-	-	-	-	-	1.10	-	-
262	9	19	-	1.24	-	-	1.41	1.01	-	1.05	-	-	1.32	-	-	-	-	1.37	1.05	-	1.54	1.15	-	1.19	-	-	1.45	1.11	-
272	9	29	-	1.43	1.03	-	1.63	1.16	-	1.26	-	-	1.50	1.09	-	-	-	1.67	1.29	-	1.87	1.41	1.03	1.51	1.11	-	1.75	1.35	1.04
273	9	30	-	1.80	1.31	-	2.08	1.48	1.00	1.59	1.08	-	1.90	1.39	1.01	-	-	2.17	1.69	1.30	2.43	1.86	1.39	1.96	1.48	1.09	2.26	1.77	1.40
280	10	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.03	-	-	-	-	-	-	-	-
308	11	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.13	-	-	1.24	1.06	-	-	-	-	1.14	1.02	-
319	11	15	-	1.01	-	-	1.15	-	-	-	-	-	-	-	-	-	-	1.08	-	-	1.23	-	-	-	-	-	1.07	-	-
351	12	17	-	1.00	-	-	1.16	-	-	-	-	-	1.03	-	-	-	-	1.10	-	-	1.26	-	-	-	-	-	1.13	-	-
353	12	19	-	1.53	1.05	-	1.73	1.17	-	1.39	-	-	1.66	1.11	-	-	-	1.63	1.15	-	1.83	1.27	-	1.49	1.00	-	1.75	1.21	-
354	12	20	-	-	-	-	1.02	-	-	-	-	-	-	-	-	-	-	-	-	-	1.15	-	-	-	-	-	1.05	-	-
355	12	21	-	2.77	2.04	1.47	3.13	2.29	1.61	2.50	1.76	1.17	2.90	2.16	1.61	-	1.40	3.29	2.60	2.06	3.64	2.84	2.20	3.04	2.34	1.78	3.41	2.72	2.19
356	12	22	-	1.98	1.47	1.07	2.30	1.67	1.19	1.75	1.22	-	2.10	1.58	1.21	-	-	2.36	1.87	1.49	2.67	2.06	1.61	2.13	1.63	1.25	2.47	1.98	1.63
358	12	24	-	1.20	-	-	1.35	1.06	-	-	-	-	1.21	-	-	-	-	1.65	1.42	1.12	1.79	1.51	1.16	1.43	1.20	-	1.66	1.44	1.16
359	12	25	-	1.33	1.06	-	1.48	1.15	-	1.11	-	-	1.35	1.11	-	-	-	1.52	1.25	-	1.67	1.34	-	1.31	1.04	-	1.54	1.30	-
360	12	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.04	-	-	1.10	-	-	-	-	-	1.07	-	-
361	12	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.20	-	-	1.29	1.05	-	1.10	-	-	1.21	1.01	-
362	12	28	-	1.69	1.24	-	1.95	1.40	-	1.56	1.10	-	1.80	1.37	-	-	-	2.23	1.80	1.44	2.47	1.95	1.52	2.10	1.66	1.30	2.33	1.92	1.54
Number of Days dv >= 1.0			0	19	12	2	24	15	3	14	6	1	19	12	4	1	4	31	20	10	34	23	13	23	15	8	32	23	13
Maximum dv			0.00	2.77	2.04	1.47	3.13	2.29	1.61	2.50	1.76	1.17	2.90	2.16	1.61	1.27	1.64	3.29	2.60	2.06	3.64	2.84	2.20	3.04	2.34	1.78	3.41	2.72	2.19

Table F.9.31 Big Sandy - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
 Predicted dv Shown for Each Modeling Scenario (1-27)

JDAY	MO	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.04	1.45	1.30	1.14	1.54	1.35	1.16	1.34	1.18	1.02	1.49	1.32	1.17
2	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.22	1.08	-	1.26	1.11	-	1.08	-	-	1.22	1.09	-
3	1	3	-	1.06	-	-	1.22	-	-	-	-	-	1.09	-	-	-	-	1.37	1.14	-	1.52	1.25	1.06	1.21	-	1.39	1.17	1.02	
5	1	5	-	1.06	-	-	1.21	-	-	-	-	-	1.05	-	-	-	-	1.24	-	-	1.39	1.08	-	1.12	-	-	1.23	-	-
6	1	6	-	1.87	1.39	-	2.11	1.54	1.05	1.60	1.10	-	1.96	1.47	1.08	-	1.37	2.56	2.11	1.72	2.78	2.25	1.78	2.30	1.84	1.44	2.64	2.19	1.82
16	1	16	-	-	-	-	1.01	-	-	-	-	-	-	-	-	-	-	1.24	1.00	-	1.36	1.08	-	1.14	-	-	1.27	1.04	-
19	1	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.35	1.16	1.09	1.41	1.20	1.12	1.25	1.06	1.00	1.33	1.16	1.08
21	1	21	-	1.44	1.16	-	1.66	1.30	-	1.17	-	-	1.48	1.25	-	-	-	1.57	1.29	-	1.79	1.44	1.07	1.31	1.03	-	1.61	1.38	1.08
22	1	22	-	2.24	1.58	-	2.57	1.79	-	2.02	1.35	-	2.38	1.64	1.01	-	1.12	2.73	2.10	1.47	3.05	2.31	1.55	2.53	1.89	1.24	2.86	2.16	1.56
23	1	23	-	1.72	1.23	-	1.95	1.41	1.01	1.57	1.09	-	1.76	1.32	1.07	1.08	1.41	2.60	2.20	1.84	2.82	2.35	1.92	2.46	2.07	1.70	2.63	2.22	1.97
27	1	27	-	1.67	1.10	-	1.95	1.26	-	1.42	-	-	1.80	1.13	-	1.45	1.88	2.89	2.39	2.10	3.14	2.53	2.17	2.67	2.16	1.87	3.01	2.42	2.17
29	1	29	-	1.35	-	-	1.51	1.06	-	1.15	-	-	1.45	1.04	-	-	1.75	1.39	1.11	1.91	1.48	1.15	1.56	1.19	-	1.85	1.46	1.19	
43	2	12	-	1.31	-	-	1.50	1.07	-	1.13	-	-	1.36	-	-	-	1.55	1.19	-	1.74	1.31	-	1.37	1.01	-	1.60	1.24	-	
52	2	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.10	-	-	-	1.18	-	-	1.01	-	-	1.12	-	-
53	2	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.04	-	-	-	-	-	-	-	-
60	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.02	-	-	1.10	-	-	-	-	-	1.01	-	-
85	3	26	-	1.15	-	-	1.31	-	-	1.01	-	-	1.19	-	-	-	1.50	1.21	-	1.66	1.32	-	1.37	1.07	-	-	1.54	1.25	-
89	3	30	-	2.15	1.59	1.07	2.44	1.78	1.15	1.84	1.26	-	2.23	1.69	1.20	-	2.33	1.78	1.27	1.27	1.66	1.96	1.35	2.02	1.46	2.41	1.88	1.40	
91	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.02	-	-	1.11	-	-	-	-	-	1.06	-	-
115	4	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.06	-	-	-	-	-	-	-	-
262	9	19	-	1.02	-	-	1.16	-	-	-	-	-	1.09	-	-	-	1.14	-	-	1.28	1.28	-	-	-	-	-	1.20	-	-
272	9	29	-	1.18	-	-	1.35	-	-	1.04	-	-	1.25	-	-	-	1.39	1.06	-	1.55	1.17	-	1.25	-	-	-	1.45	1.11	-
273	9	30	-	1.50	1.08	-	1.73	1.23	-	1.32	-	-	1.58	1.15	-	-	1.80	1.40	1.08	1.08	2.03	1.54	1.15	1.63	1.23	-	1.89	1.47	1.16
280	10	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.08	-	-	1.16	-	-	-	-	-	1.12	-	-
308	11	4	-	-	-	-	1.05	-	-	-	-	-	-	-	-	-	-	1.25	1.08	-	1.38	1.18	-	1.10	-	-	1.27	1.13	-
319	11	15	-	1.12	-	-	1.28	-	-	-	-	-	1.11	-	-	-	1.20	-	-	1.36	-	-	1.07	-	-	-	1.19	-	-
351	12	17	-	1.12	-	-	1.29	-	-	-	-	-	1.15	-	-	-	1.23	-	-	1.40	1.03	-	1.07	-	-	-	1.26	-	-
353	12	19	-	1.70	1.16	-	1.92	1.30	-	1.55	1.00	-	1.84	1.23	-	-	1.81	1.28	-	2.03	1.41	-	1.66	1.12	-	1.94	1.35	-	
354	12	20	-	-	-	-	1.13	-	-	-	-	-	1.02	-	-	-	1.10	-	-	1.28	1.00	-	1.01	-	-	-	1.16	-	-
355	12	21	-	3.05	2.26	1.63	3.45	2.53	1.79	2.77	1.95	1.30	3.19	2.39	1.79	-	1.55	3.62	2.88	2.28	4.00	3.13	2.43	3.35	2.58	1.97	3.75	3.00	2.43
356	12	22	-	2.19	1.63	1.19	2.55	1.85	1.32	1.94	1.36	-	2.32	1.76	1.34	-	1.10	2.61	2.07	1.65	2.95	2.28	1.78	2.36	1.81	1.39	2.73	2.19	1.80
358	12	24	-	1.34	1.07	-	1.50	1.18	-	1.08	-	-	1.34	1.09	-	-	1.04	1.83	1.58	1.24	1.98	1.68	1.29	1.59	1.33	-	1.84	1.60	1.29
359	12	25	-	1.48	1.18	-	1.64	1.28	-	1.24	-	-	1.51	1.23	-	-	1.69	1.39	1.00	1.85	1.49	1.03	1.45	1.15	-	1.71	1.45	1.08	
360	12	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.15	-	-	1.23	1.02	-	1.08	-	-	1.19	1.02	-
361	12	27	-	1.01	-	-	1.10	-	-	-	-	-	1.01	-	-	-	1.34	1.11	-	1.43	1.17	-	1.22	-	-	1.34	1.12	-	
362	12	28	-	1.88	1.38	-	2.16	1.55	1.05	1.73	1.22	-	2.00	1.52	1.08	-	1.03	2.46	1.99	1.60	2.73	2.16	1.68	2.32	1.84	1.45	2.58	2.12	1.71
Number of Days dv >= 1.0			0	23	13	3	26	15	6	17	8	1	24	14	7	2	9	34	24	14	36	28	16	30	18	9	34	25	16
Maximum dv			0.00	3.05	2.26	1.63	3.45	2.53	1.79	2.77	1.95	1.30	3.19	2.39	1.79	1.45	1.88	3.62	2.88	2.28	4.00	3.13	2.43	3.35	2.58	1.97	3.75	3.00	2.43

Table F.9.32 Boulder - Summary of Days Above Visibility Thresholds Using FLAG Background Data
 Predicted dv Shown for Each Modeling Scenario (1-27)

JDAY	MO	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27		
3	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5	1	5	-	2.09	1.51	1.00	2.35	1.67	1.08	1.92	1.33	-	2.20	1.59	1.10	1.65	1.99	3.26	2.78	2.38	3.48	2.91	2.44	3.11	2.64	2.24	3.36	2.84	2.46		
6	1	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.35	1.17	1.01	1.44	1.22	1.03	1.29	1.11	-	1.39	1.20	1.04		
20	1	20	-	1.72	1.24	-	1.98	1.41	-	1.53	1.05	-	1.82	1.33	-	-	1.25	2.39	1.96	1.63	2.63	2.12	1.71	2.22	1.78	1.44	2.48	2.04	1.72		
21	1	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
22	1	22	-	-	-	-	-	-	-	-	-	-	-	-	-	1.78	1.95	2.39	2.20	2.06	2.47	2.25	2.08	2.30	2.12	1.98	2.43	2.23	2.08		
23	1	23	-	-	-	-	-	-	-	-	-	-	-	-	-	2.56	2.67	3.01	2.89	2.78	3.05	2.91	2.79	2.97	2.84	2.74	3.04	2.90	2.79		
25	1	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.07	-	-	-	-	-	1.01	-	-		
28	1	28	-	1.06	-	-	1.16	-	-	-	-	-	1.05	-	-	-	-	1.13	-	-	1.23	-	-	-	-	-	-	-	-	-	
29	1	29	-	1.85	1.36	-	2.20	1.58	1.06	1.62	1.11	-	2.01	1.48	1.07	-	-	2.06	1.58	1.16	2.40	1.79	1.28	1.84	1.34	-	2.21	1.70	1.29		
39	2	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.00	-	-	-	-	-	-	-	-	-	
43	2	12	-	1.36	-	-	1.54	1.11	-	1.18	-	-	1.43	1.06	-	-	-	1.60	1.25	-	1.78	1.36	1.04	1.43	1.07	-	1.68	1.31	1.05		
60	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.35	1.13	-	1.46	1.22	-	1.25	1.03	-	1.40	1.17	-	-	
61	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.10	-	-	1.24	-	-	1.01	-	-	1.16	-	-	-	
131	5	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.07	1.03	1.01	1.08	1.04	1.01	1.06	1.03	1.00	1.07	1.04	1.01		
268	9	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.02	-	-	-	-	-	-	-	-	-	
321	11	17	-	1.00	-	-	1.21	-	-	-	-	-	1.11	-	-	-	-	1.20	-	-	1.40	1.00	-	1.14	-	-	1.30	-	-	-	
324	11	20	-	-	-	-	1.10	-	-	-	-	-	1.04	-	-	-	-	1.08	-	-	1.22	-	-	-	-	-	1.16	-	-	-	
351	12	17	-	-	-	-	1.03	-	-	-	-	-	-	-	-	-	-	1.00	-	-	1.13	-	-	-	-	-	1.04	-	-	-	
352	12	18	-	1.21	-	-	1.36	-	-	1.04	-	-	1.25	-	-	-	-	1.29	-	-	1.44	1.08	-	1.11	-	-	1.32	1.01	-	-	-
353	12	19	-	1.04	-	-	1.18	-	-	-	-	-	1.15	-	-	-	-	1.17	-	-	1.32	-	-	1.07	-	-	1.28	-	-	-	-
354	12	20	-	1.32	-	-	1.62	1.11	-	1.17	-	-	1.49	1.04	-	-	-	1.46	1.07	-	1.75	1.25	-	1.32	-	-	1.62	1.19	-	-	-
355	12	21	-	-	-	-	-	-	-	-	-	-	-	-	-	1.65	1.87	2.37	2.17	2.03	2.46	2.23	2.06	2.29	2.09	1.94	2.42	2.20	2.06		
357	12	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.07	-	-	1.15	-	-	1.03	-	-	1.11	-	-	-	
Number of Days dv >= 1.0			0	9	3	1	11	5	2	6	3	0	10	5	2	4	5	19	11	8	23	13	9	16	10	6	21	12	9		
Maximum dv			0.00	2.09	1.51	1.00	2.35	1.67	1.08	1.92	1.33	0.00	2.20	1.59	1.10	2.56	2.67	3.26	2.89	2.78	3.48	2.91	2.79	3.11	2.84	2.74	3.36	2.90	2.79		

Table F.9.33 Boulder - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
 Predicted dv Shown for Each Modeling Scenario (1-27)

JDAY	MO	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
3	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.111	-	-	1.208	-	-	-	-	-	-	-	-	
5	1	5	-	2.39	1.73	1.15	2.68	1.92	1.24	2.20	1.53	-	2.52	1.82	1.26	1.89	2.28	3.70	3.16	2.72	3.94	3.31	2.79	3.54	3.01	2.55	3.80	3.23	2.80	
6	1	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.56	1.34	1.16	1.66	1.41	1.19	1.49	1.27	1.09	1.60	1.38	1.20	
20	1	20	-	1.97	1.42	1.02	2.27	1.62	1.13	1.76	1.20	-	2.08	1.52	1.13	-	1.43	2.73	2.24	1.87	3.00	2.42	1.97	2.53	2.04	1.66	2.83	2.33	1.97	
22	1	22	-	-	-	-	1.02	-	-	-	-	-	-	-	-	2.03	2.23	2.72	2.51	2.35	2.82	2.57	2.37	2.62	2.42	2.26	2.77	2.55	2.38	
23	1	23	-	-	-	-	-	-	-	-	-	-	-	-	-	2.92	3.04	3.42	3.28	3.17	3.47	3.31	3.17	3.37	3.23	3.12	3.45	3.30	3.18	
25	1	25	-	-	-	-	1.08	-	-	-	-	-	1.01	-	-	-	1.13	-	1.13	-	1.23	1.02	-	1.03	-	-	1.16	-	-	-
28	1	28	-	1.22	-	-	1.34	-	-	1.05	-	-	1.21	-	-	-	-	1.30	1.02	-	1.42	1.08	-	1.13	-	-	1.29	1.03	-	-
29	1	29	-	2.12	1.56	1.07	2.51	1.81	1.22	1.86	1.28	-	2.29	1.70	1.23	-	2.36	1.81	1.33	2.74	2.05	1.48	2.10	1.54	1.04	2.53	1.94	1.49	-	
39	2	8	-	-	-	-	1.05	-	-	-	-	-	-	-	-	-	-	1.01	-	-	1.16	-	-	-	-	-	1.07	-	-	
43	2	12	-	1.57	1.15	-	1.78	1.28	-	1.37	-	-	1.65	1.23	-	-	-	1.85	1.44	1.13	2.05	1.57	1.20	1.66	1.24	-	1.93	1.52	1.21	
60	3	1	-	-	-	-	1.12	-	-	-	-	-	1.04	-	-	-	-	1.56	1.30	1.08	1.69	1.41	1.12	1.44	1.19	-	1.61	1.35	1.13	
61	3	2	-	-	-	-	1.15	-	-	-	-	-	1.06	-	-	-	-	1.28	1.02	-	1.43	1.13	-	1.16	-	-	1.34	1.07	-	
321	11	17	-	1.11	-	-	1.34	-	-	1.04	-	-	1.23	-	-	-	-	1.34	-	-	1.55	1.11	-	1.27	-	-	1.44	1.05	-	-
324	11	20	-	1.08	-	-	1.22	-	-	-	-	-	1.16	-	-	-	-	1.20	-	-	1.35	-	-	1.06	-	-	1.29	-	-	-
351	12	17	-	1.01	-	-	1.15	-	-	-	-	-	1.06	-	-	-	-	1.12	-	-	1.25	-	-	-	-	-	1.16	-	-	-
352	12	18	-	1.34	1.00	-	1.52	1.11	-	1.15	-	-	1.39	1.04	-	-	-	1.43	1.09	-	1.60	1.20	-	1.24	-	-	1.47	1.12	-	-
353	12	19	-	1.15	-	-	1.31	-	-	1.04	-	-	1.27	-	-	-	-	1.31	-	-	1.47	1.01	-	1.19	-	-	1.43	-	-	-
354	12	20	-	1.47	1.03	-	1.79	1.23	-	1.31	-	-	1.65	1.16	-	-	-	1.63	1.19	-	1.94	1.39	-	1.46	1.02	-	1.80	1.32	-	-
355	12	21	-	-	-	-	1.10	-	-	-	-	-	1.04	-	-	1.83	2.08	2.62	2.41	2.25	2.72	2.46	2.28	2.53	2.32	2.15	2.67	2.44	2.28	
357	12	23	-	1.01	-	-	1.10	-	-	-	-	-	1.06	-	-	-	-	1.19	-	-	1.28	-	-	1.15	-	-	1.24	-	-	-
Number of Days dv >= 1.0			0	12	6	3	18	6	3	9	3	0	16	6	3	4	5	21	13	9	21	16	9	18	10	7	21	14	9	
Maximum dv			0.00	2.39	1.73	1.15	2.68	1.92	1.24	2.20	1.53	0.00	2.52	1.82	1.26	2.92	3.04	3.70	3.28	3.17	3.94	3.31	3.17	3.54	3.23	3.12	3.80	3.30	3.18	

Table F.9.34 Bronx - Summary of Days Above Visibility Thresholds Using FLAG Background Data
 Predicted dv Shown for Each Modeling Scenario (1-27)

JDAY	MO	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
29	1	29	-	1.48	1.07	-	1.66	1.17	-	1.32	-	-	1.55	1.13	-	-	1.56	1.15	-	1.74	1.25	-	1.40	-	-	1.63	1.21	-	
Number of Days dv >= 1.0			0	1	1	0	1	1	0	1	0	0	1	1	0	0	1	1	0	1	1	0	1	0	0	1	1	0	
Maximum dv			0.00	1.48	1.07	0.00	1.66	1.17	0.00	1.32	0.00	0.00	1.55	1.13	0.00	0.00	1.56	1.15	0.00	1.74	1.25	0.00	1.40	0.00	0.00	1.63	1.21	0.00	

Table F.9.35 Bronx - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
 Predicted dv Shown for Each Modeling Scenario (1-27)

JDAY	MO	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
6	1	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	1	29	-	1.70	1.23	-	1.91	1.35	-	1.52	1.04	-	1.78	1.30	-	-	1.79	1.32	-	1.99	1.44	-	1.60	1.13	-	-	1.87	1.39	-	-
39	2	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.07	-	-	-	-	-	-	1.02	-	-	-
86	3	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.01	-	-	-	-	-	-	-	-	-	-
Number of Days dv >= 1.0			0	1	1	0	1	1	0	1	1	0	1	1	0	0	0	1	1	0	4	1	0	1	1	0	2	1	0	
Maximum dv			0.00	1.70	1.23	0.00	1.91	1.35	0.00	1.52	1.04	0.00	1.78	1.30	0.00	0.00	0.00	1.79	1.32	0.00	1.99	1.44	0.00	1.60	1.13	0.00	1.87	1.39	0.00	

Table F.9.36 Cora - Summary of Days Above Visibility Thresholds Using FLAG Background Data
 Predicted dv Shown for Each Modeling Scenario (1-27)

JDAY	MO	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
5	1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.06	-	1.10	-	-	-	1.03	-	-	1.07	-	-
6	1	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.10	-	1.17	-	-	1.07	-	-	1.13	-	-	
20	1	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.07	-	-	-	-	-	1.00	-	-	
25	1	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.24	1.00	1.33	1.05	-	-	-	-	1.30	1.04	-	
26	1	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.23	1.05	1.31	1.10	-	-	-	-	1.27	1.08	-	
29	1	29	-	2.81	2.06	1.37	3.19	2.29	1.44	2.54	1.77	1.05	2.96	2.19	1.51	-	-	2.92	2.18	1.49	3.29	2.40	1.57	2.65	1.89	1.18	3.06	2.30	1.63
355	12	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.03	-	1.13	-	-	-	-	-	1.07	-	-	
Number of Days dv >= 1.0			0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	6	3	1	7	3	1	5	1	1	7	3	1
Maximum dv			0.00	2.81	2.06	1.37	3.19	2.29	1.44	2.54	1.77	1.05	2.96	2.19	1.51	0.00	0.00	2.92	2.18	1.49	3.29	2.40	1.57	2.65	1.89	1.18	3.06	2.30	1.63

Table F.9.37 Cora - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
 Predicted dv Shown for Each Modeling Scenario (1-27)

JDAY	MO	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
5	1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.22	1.11	1.02	1.27	1.14	1.03	1.18	1.08	-	1.23	1.12	1.04
6	1	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.27	1.10	-	1.34	1.15	-	1.23	1.06	-	1.30	1.13	-
20	1	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.10	-	-	1.23	-	-	1.01	-	-	1.15	-	-
25	1	25	-	-	-	-	1.10	-	-	-	-	-	1.07	-	-	-	-	1.43	1.15	-	1.53	1.21	-	1.34	1.06	-	1.50	1.19	-
26	1	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.42	1.21	1.04	1.50	1.26	1.06	1.34	1.14	-	1.46	1.24	1.07
29	1	29	-	3.20	2.36	1.57	3.62	2.61	1.66	2.89	2.03	1.21	3.36	2.50	1.74	-	-	3.32	2.49	1.71	3.74	2.74	1.80	3.01	2.16	1.36	3.48	2.63	1.87
39	2	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.05	-	-	-	-	-	-	-	-	-
44	2	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.01	-	-	1.08	-	-	-	-	-	1.04	-	-
86	3	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.03	-	-	-	-	-	-	-	-	-
355	12	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.14	-	-	1.25	1.05	-	1.10	-	1.19	1.01	-	-
Number of Days dv >= 1.0			0	1	1	1	2	1	1	1	1	1	2	1	1	0	0	8	5	3	10	6	3	7	5	1	8	6	3
Maximum dv			0.00	3.20	2.36	1.57	3.62	2.61	1.66	2.89	2.03	1.21	3.36	2.50	1.74	0.00	0.00	3.32	2.49	1.71	3.74	2.74	1.80	3.01	2.16	1.36	3.48	2.63	1.87

Table F.9.38 Daniel - Summary of Days Above Visibility Thresholds Using FLAG Background Data
 Predicted dv Shown for Each Modeling Scenario (1-27)

JDAY	MO	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
5	1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.04	-	1.10	-	-	-	-	-	-	-	-	-	
6	1	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.01	-	1.01	-	-	-	-	-	-	-	-	-	
20	1	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.22	-	1.35	1.06	-	1.14	-	-	-	-	-	-	
23	1	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.02	-	1.05	-	-	-	-	-	-	-	-	-	
29	1	29	-	2.24	1.63	1.08	2.55	1.81	1.15	2.00	1.38	-	2.36	1.73	1.20	-	2.34	1.74	1.20	2.64	1.92	1.26	2.10	1.49	-	-	-	-	-	
39	2	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.09	-	1.19	-	-	-	1.03	-	-	-	-	-	-	-
61	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.05	-	-	-	-	-	-	-	-	-	-
86	3	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.06	-	-	-	-	-	-	-	-	-	-
354	12	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.07	-	-	-	-	-	-	-	-	-	-
355	12	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.17	1.00	-	1.26	1.07	-	1.12	-	-	-	-	-	-	-
Number of Days dv >= 1.0			0	1	1	1	1	1	1	1	1	0	1	1	1	0	0	6	2	1	10	3	1	4	1	0	8	3	1	
Maximum dv			0.00	2.24	1.63	1.08	2.55	1.81	1.15	2.00	1.38	0.00	2.36	1.73	1.20	0.00	0.00	2.34	1.74	1.20	2.64	1.92	1.26	2.10	1.49	0.00	2.45	1.84	1.31	

Table F.9.39 Daniel - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
 Predicted dv Shown for Each Modeling Scenario (1-27)

JDAY	MO	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
5	1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.19	1.04	-	1.27	1.08	-	1.13	-	-	1.23	1.06	-
6	1	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.09	-	-	1.17	-	-	1.05	-	-	1.12	-	-
20	1	20	-	-	-	-	1.07	-	-	-	-	-	-	-	-	-	-	1.40	1.13	-	1.55	1.22	-	1.31	1.03	-	1.47	1.18	-
23	1	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.18	1.07	-	1.21	1.08	-	1.14	1.03	-	1.20	1.08	-
29	1	29	-	2.56	1.87	1.25	2.90	2.07	1.32	2.29	1.59	-	2.69	1.99	1.37	-	-	2.67	1.99	1.38	3.01	2.19	1.44	2.41	1.71	1.08	2.80	2.11	1.50
39	2	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.26	1.03	-	1.37	1.10	-	1.19	-	-	1.31	1.07	-
44	2	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.06	-	-	1.14	-	-	-	-	-	1.10	-	-
61	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.11	-	-	1.21	1.00	-	1.03	-	-	1.14	-	-
86	3	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.14	-	-	1.23	-	1.06	-	-	1.18	-	-	-
324	11	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.09	-	-	-	-	-	1.04	-	-
351	12	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.07	-	-	-	-	-	1.01	-	-
352	12	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.00	-	-	-	-	-	-	-	-
354	12	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.05	-	-	1.19	-	-	-	-	-	1.12	-	-
355	12	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.30	1.12	-	1.41	1.19	1.03	1.24	1.06	-	1.34	1.15	1.03
Number of Days dv >= 1.0			0	1	1	1	2	1	1	1	1	0	1	1	1	0	0	11	6	1	14	7	2	9	4	1	13	6	2
Maximum dv			0.00	2.56	1.87	1.25	2.90	2.07	1.32	2.29	1.59	0.00	2.69	1.99	1.37	0.00	0.00	2.67	1.99	1.38	3.01	2.19	1.44	2.41	1.71	1.08	2.80	2.11	1.50

Table F.9.40 Farson - Summary of Days Above Visibility Thresholds Using FLAG Background Data
 Predicted dv Shown for Each Modeling Scenario (1-27)

JDAY	MO	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27			
2	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
21	1	21	-	2.04	1.44	-	2.29	1.59	1.05	1.88	1.27	-	2.12	1.51	1.07	-	1.16	1.30	1.25	1.21	1.31	1.26	1.21	1.28	1.23	1.19	1.30	1.25	1.21	1.21		
22	1	22	-	1.28	-	-	1.43	1.00	-	1.22	-	-	1.35	-	-	-	2.25	1.66	1.21	2.49	1.80	1.27	2.09	1.49	1.03	2.32	1.73	1.30	1.30	1.30		
27	1	27	-	1.22	-	-	1.38	-	-	1.10	-	-	1.28	-	-	1.17	1.47	1.54	1.23	2.02	2.02	1.62	1.83	1.48	1.17	1.95	1.58	1.28	1.28	1.28		
28	1	28	-	1.69	1.25	-	1.89	1.38	-	1.52	1.08	-	1.77	1.32	-	-	1.10	2.24	1.83	2.40	2.06	1.78	2.15	1.86	1.62	2.32	2.02	1.78	1.78	1.78		
331	11	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.04	-	-	-	-	-	-	-	-	-	-	-	
353	12	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.04	-	-	1.16	-	-	-	-	-	-	-	-	-	-	-
354	12	20	-	1.92	1.38	-	2.12	1.51	-	1.78	1.24	-	2.02	1.46	-	-	1.13	2.49	1.99	1.56	2.68	2.10	1.62	2.36	1.85	1.42	2.59	2.05	1.62	1.62	1.62	
356	12	22	-	-	-	-	1.00	-	-	-	-	-	-	-	-	-	-	1.45	1.22	1.02	1.54	1.27	1.04	1.41	1.17	-	1.49	1.24	1.05	1.05	1.05	
358	12	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.03	1.35	1.23	1.13	1.39	1.25	1.14	1.33	1.21	1.11	1.37	1.24	1.15	1.15	1.15	
359	12	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.32	1.19	1.08	1.21	1.09	1.30	1.17	1.05	1.33	1.20	1.09	1.09	1.09	
362	12	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.33	1.43	1.49	1.47	1.55	1.50	1.47	1.53	1.48	1.46	1.55	1.49	1.47	1.47	1.47	
Number of Days dv >= 1.0			0	5	3	0	6	4	1	5	3	0	5	3	1	3	6	11	10	10	12	10	10	10	10	9	11	10	10	10	10	
Maximum dv			0.00	2.04	1.44	0.00	2.29	1.59	1.05	1.88	1.27	0.00	2.12	1.51	1.07	1.33	1.47	2.49	1.99	1.73	2.68	2.10	1.78	2.36	1.86	1.62	2.59	2.05	1.78	1.78	1.78	

Table F.9.41 Farson - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
 Predicted dv Shown for Each Modeling Scenario (1-27)

JDAY	MO	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27		
2	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
21	1	21	-	2.33	1.65	1.13	2.62	1.82	1.21	2.15	1.46	-	-	2.42	1.74	1.23	-	2.56	1.90	1.39	2.84	2.06	1.46	2.39	1.71	1.19	1.37	1.49	1.44	1.39	
22	1	22	-	1.48	1.05	-	1.64	1.15	-	1.40	-	-	1.55	1.11	-	-	1.09	2.16	1.77	1.42	2.31	1.86	1.47	2.09	1.70	1.34	2.23	1.82	1.47	1.49	
27	1	27	-	1.40	1.04	-	1.58	1.15	-	1.27	-	-	1.47	1.10	-	1.34	1.69	2.58	2.26	1.98	2.74	2.36	2.04	2.46	2.13	1.85	2.64	2.31	2.04	2.04	
28	1	28	-	1.93	1.44	1.00	2.16	1.58	1.08	1.75	1.24	-	2.03	1.52	1.10	-	1.26	2.56	2.10	1.69	2.77	2.23	1.77	2.39	1.92	1.50	2.65	2.17	1.78	1.78	
42	2	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.04	-	-	1.04	-	-	-	-	-	1.00	-	-	-	
331	11	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.04	-	-	1.15	-	-	-	-	-	1.04	-	-	-	
353	12	19	-	-	-	-	1.06	-	-	-	-	-	-	-	-	-	-	1.16	-	-	1.29	-	-	1.10	-	-	1.22	-	-	-	
354	12	20	-	2.12	1.54	1.03	2.35	1.67	1.10	1.98	1.38	-	2.24	1.62	1.11	-	1.26	2.75	2.20	1.73	2.96	2.33	1.79	2.61	2.06	1.58	2.86	2.28	1.80	1.80	
356	12	22	-	1.02	-	-	1.11	-	-	-	-	-	1.06	-	-	-	-	1.61	1.35	1.13	1.71	1.41	1.16	1.56	1.30	1.08	1.65	1.38	1.17	1.17	1.17
358	12	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.15	1.50	1.37	1.26	1.54	1.39	1.27	1.48	1.34	1.23	1.52	1.38	1.28	1.28	1.28
359	12	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.08	1.47	1.32	1.20	1.50	1.35	1.21	1.44	1.30	1.17	1.48	1.33	1.21	1.21	1.21
362	12	28	-	-	-	-	-	-	-	-	-	-	-	-	-	1.48	1.59	1.71	1.66	1.63	1.73	1.66	1.63	1.70	1.65	1.62	1.72	1.66	1.64	1.64	1.64
Number of Days dv >= 1.0			0	6	5	3	7	5	3	5	3	0	6	5	3	3	8	12	10	10	13	10	10	11	10	10	13	10	10	10	10
Maximum dv			0.00	2.33	1.65	1.13	2.62	1.82	1.21	2.15	1.46	0.00	2.42	1.74	1.23	1.48	1.69	2.75	2.26	1.98	2.96	2.36	2.04	2.61	2.13	1.85	2.86	2.31	2.04	2.04	2.04

Table F.9.42 La Barge - Summary of Days Above Visibility Thresholds Using FLAG Background Data
 Predicted dv Shown for Each Modeling Scenario (1-27)

JDAY	MO	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
5	1	5	-	1.12	-	-	1.24	-	-	1.03	-	-	1.18	-	-	-	1.25	-	-	1.37	-	-	-	1.16	-	-	1.31	-	-
21	1	21	-	-	-	-	-	-	-	-	-	-	-	-	-	1.22	1.27	1.44	1.37	1.31	1.47	1.39	1.32	1.42	1.35	1.29	1.47	1.39	1.32
22	1	22	-	1.15	-	-	1.29	-	-	1.10	-	-	1.21	-	-	1.62	1.79	2.54	2.27	2.04	2.66	2.34	2.07	2.50	2.22	1.99	2.60	2.30	2.08
42	2	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.07	-	-	1.07	-	-	-	1.01	-	-	1.11	-	-
60	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.02	-	-	-	-	-	-	-	-	-
161	6	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.03	-	-	-	-	-	-	-	-	-
353	12	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.02	-	-	-	-	-	-	-	-	-
354	12	20	-	-	-	-	-	-	-	-	-	-	-	-	-	1.53	1.61	1.86	1.76	1.69	1.90	1.78	1.71	1.83	1.74	1.67	1.88	1.77	1.71
355	12	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.05	-	-	1.10	-	-	-	1.02	-	-	1.07	-	-
358	12	24	-	-	-	-	-	-	-	-	-	-	-	-	-	1.03	1.05	1.10	1.08	1.06	1.11	1.08	1.06	1.09	1.07	1.06	1.10	1.08	1.06
359	12	25	-	-	-	-	-	-	-	-	-	-	-	-	-	1.24	1.27	1.34	1.31	1.29	1.36	1.32	1.29	1.33	1.30	1.28	1.35	1.32	1.29
362	12	28	-	-	-	-	-	-	-	-	-	-	-	-	-	1.57	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
Number of Days dv >= 1.0			0	2	0	0	2	0	0	2	0	0	2	0	0	6	6	9	6	6	12	6	6	9	6	6	10	6	6
Maximum dv			0.00	1.15	0.00	0.00	1.29	0.00	0.00	0.00	1.10	0.00	1.21	0.00	0.00	1.62	1.79	2.54	2.27	2.04	2.66	2.34	2.07	2.50	2.22	1.99	2.60	2.30	2.08

Table F.9.43 La Barge - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
 Predicted dv Shown for Each Modeling Scenario (1-27)

JDAY	MO	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
5	1	5	-	1.29	-	-	1.42	-	-	1.19	-	-	1.36	-	-	-	-	1.44	1.06	-	1.57	1.14	-	1.34	-	-	-	-	-	
20	1	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.03	-	-	1.06	-	-	1.02	-	-	-	-	-	
21	1	21	-	-	-	-	-	-	-	-	-	-	-	-	-	1.40	1.46	1.66	1.58	1.51	1.69	1.60	1.52	1.63	1.55	1.49	1.68	1.60	1.52	
22	1	22	-	1.32	-	-	1.48	1.03	-	1.26	-	-	1.40	-	-	1.86	2.05	2.90	2.59	2.33	3.03	2.67	2.37	2.85	2.54	2.28	2.96	2.63	2.38	
42	2	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.24	-	-	1.24	-	-	1.17	-	-	1.28	1.00	-	-	
60	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.02	-	-	1.18	-	-	-	-	1.08	-	-	-	
353	12	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.10	1.01	-	1.13	1.02	-	1.08	-	1.13	1.02	-	-	
354	12	20	-	-	-	-	-	-	-	-	-	-	-	-	-	1.70	1.79	2.06	1.95	1.88	2.10	1.98	1.89	2.03	1.93	1.86	2.09	1.97	1.89	
355	12	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.17	1.05	-	1.22	1.08	-	1.14	1.02	-	1.19	1.06	-	-
358	12	24	-	-	-	-	-	-	-	-	-	-	-	-	-	1.15	1.16	1.22	1.20	1.18	1.23	1.20	1.18	1.22	1.19	1.18	1.23	1.20	1.18	
359	12	25	-	-	-	-	-	-	-	-	-	-	-	-	-	1.38	1.41	1.49	1.46	1.43	1.51	1.47	1.44	1.48	1.45	1.42	1.50	1.46	1.44	
362	12	28	-	-	-	-	-	-	-	-	-	-	-	-	-	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	
Number of Days dv >= 1.0			0	2	0	0	2	1	0	2	0	0	2	0	0	6	6	12	9	6	12	9	6	11	7	6	12	10	6	
Maximum dv			0.00	1.32	0.00	0.00	1.48	1.03	0.00	0.00	0.00	0.00	1.40	0.00	0.00	0.00	1.86	2.05	2.90	2.59	2.33	3.03	2.67	2.37	2.85	2.54	2.28	2.96	2.63	2.38

Table F.9.44 Merma - Summary of Days Above Visibility Thresholds Using FLAG Background Data
 Predicted dv Shown for Each Modeling Scenario (1-27)

JDAY	MO	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
39	2	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.00	-	-	-	-	-	-	-	-
61	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.06	-	-	-	-	-	1.00	-	-
356	12	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.01	-	-	-	-	-	1.00	-	-
Number of Days dv >= 1.0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	2	0	0
Maximum dv			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.06	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00

Table F.9.45 Merna - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
 Predicted dv Shown for Each Modeling Scenario (1-27)

JDAY	MO	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
4	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.00	-	-	-	-	-	-	-	-	
23	1	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.05	-	-	1.10	-	-	1.02	-	-	-	-	-	-
24	1	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.01	-	-	1.12	-	-	-	-	1.09	-	-	-	-
39	2	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.09	-	-	1.16	-	-	-	-	1.05	-	-	-	-
61	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.13	-	-	1.23	1.00	-	-	-	1.12	-	-	-	-
356	12	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.01	1.11	1.07	1.05	1.13	1.08	1.05	1.10	1.04	1.12	1.08	1.05	1.05	1.05
Number of Days dv >= 1.0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	1	6	2	1	4	1	1	5	1	1	
Maximum dv			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.01	1.13	1.07	1.05	1.23	1.08	1.05	1.10	1.07	1.04	1.16	1.08	1.08	1.05

Table F.9.46 Pinedale - Summary of Days Above Visibility Thresholds Using FLAG Background Data
 Predicted dv Shown for Each Modeling Scenario (1-27)

JDAY	MO	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
5	1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	1.55	1.69	2.19	2.00	1.84	2.27	2.06	1.87	2.13	1.95	1.79	2.22	2.03	1.87
6	1	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.34	1.17	1.03	1.41	1.22	1.05	1.29	-	1.37	1.20	1.05	-
20	1	20	-	-	-	-	1.10	-	-	-	-	-	1.01	-	-	-	-	1.38	1.11	-	1.53	1.20	-	1.27	-	1.44	1.16	-	-
23	1	23	-	-	-	-	-	-	-	-	-	-	-	-	-	1.05	1.11	1.26	1.20	1.16	1.28	1.21	1.16	1.24	1.19	1.14	1.27	1.21	1.16
25	1	25	-	1.30	-	-	1.43	1.01	-	1.18	-	-	1.38	-	-	-	-	1.46	1.11	-	1.58	1.18	-	1.34	1.01	-	1.54	1.16	-
26	1	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.23	1.04	-	1.31	1.09	-	1.16	-	1.27	1.07	-	-
29	1	29	-	3.78	2.84	1.92	4.32	3.18	2.09	3.39	2.41	1.45	3.98	3.03	2.15	-	1.09	3.91	2.98	2.07	4.44	3.32	2.23	3.52	1.61	4.10	3.16	2.29	-
352	12	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.06	-	-	-	-	1.02	-	-	-
355	12	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.00	1.48	1.29	1.15	1.60	1.36	1.19	1.44	1.10	1.54	1.33	1.19	-
Number of Days dv >= 1.0			0	2	1	1	3	2	1	2	1	1	3	1	1	2	4	8	8	5	9	8	5	8	6	4	9	8	5
Maximum dv			0.00	3.78	2.84	1.92	4.32	3.18	2.09	3.39	2.41	1.45	3.98	3.03	2.15	1.55	1.69	3.91	2.98	2.07	4.44	3.32	2.23	3.52	2.55	1.79	4.10	3.16	2.29

Table F.9.47 Pinedale - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
 Predicted dv Shown for Each Modeling Scenario (1-27)

JDAY	MO	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
5	1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	1.78	1.94	2.50	2.29	2.11	2.59	2.35	2.14	2.44	2.23	2.05	2.54	2.32	2.14	
6	1	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.02	1.54	1.35	1.18	1.62	1.40	1.21	1.49	1.30	1.13	1.58	1.38	1.21	
20	1	20	-	1.09	-	-	1.27	-	-	-	-	-	1.16	-	-	-	-	1.58	1.28	1.04	1.76	1.39	1.09	1.46	-	-	1.65	1.33	1.10	
22	1	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.01	-	-	-	-	-	-	-	-	
23	1	23	-	-	-	-	-	-	-	-	-	-	-	-	-	1.21	1.27	1.45	1.39	1.33	1.47	1.39	1.34	1.43	1.37	1.31	1.46	1.39	1.34	
25	1	25	-	1.49	1.07	-	1.65	1.17	-	1.36	-	-	1.59	1.13	-	-	-	1.67	1.28	1.02	1.82	1.36	1.04	1.54	1.17	-	1.76	1.34	1.06	
26	1	26	-	-	-	-	1.03	-	-	-	-	-	-	-	-	-	-	1.42	1.20	1.01	1.51	1.25	1.03	1.33	1.11	-	1.46	1.23	1.04	
29	1	29	1.07	4.27	3.23	2.20	4.87	3.61	2.39	3.85	2.75	1.66	4.49	3.44	2.45	-	1.26	4.41	3.38	2.37	5.00	3.76	2.55	3.99	2.91	1.84	4.63	3.59	2.62	
39	2	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.07	-	-	-	-	-	-	-	-	-	-
43	2	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.02	-	-	1.11	-	-	-	-	-	1.06	-	-	-
86	3	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.00	-	-	-	-	-	-	-	-	-	-
351	12	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.07	-	-	-	-	-	-	1.01	-	-	-
352	12	18	-	-	-	-	1.01	-	-	-	-	-	-	-	-	-	-	1.05	-	-	1.18	-	-	-	-	-	1.13	-	-	-
354	12	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.01	-	-	-	-	-	-	-	-	-	-
355	12	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.12	1.65	1.43	1.28	1.78	1.51	1.32	1.60	1.38	1.23	1.71	1.47	1.32	
Number of Days dv >= 1.0			1	3	2	1	5	2	1	2	1	1	3	2	1	2	5	10	8	8	15	8	8	8	8	5	11	8	8	
Maximum dv			1.07	4.27	3.23	2.20	4.87	3.61	2.39	3.85	2.75	1.66	4.49	3.44	2.45	1.78	1.94	4.41	3.38	2.37	5.00	3.76	2.55	3.99	2.91	2.05	4.63	3.59	2.62	

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Table F.10.1 Summary of Maximum Modeled NO₂ Concentration Impacts (µg/m³) at PSD Class I and Sensitive PSD Class II Areas from Direct Project Sources.

Alternative	WDR	Bridger Wilderness Class I			Fitzpatrick Wilderness Class I			Popo Aige Wilderness Class II			Wind River Roadless Area Class II			Grand Teton National Park Class I			Teton Wilderness Class I			Yellowstone National Park Class I			Washakie Wilderness Area Class I		
		Direct Modeled Impact	Annual Concentration ¹	Annual	Direct Modeled Impact	Annual Concentration ¹	Annual	Direct Modeled Impact	Annual Concentration ¹	Annual	Direct Modeled Impact	Annual Concentration ¹	Annual	Direct Modeled Impact	Annual Concentration ¹	Annual	Direct Modeled Impact	Annual Concentration ¹	Annual	Direct Modeled Impact	Annual Concentration ¹	Annual	Direct Modeled Impact	Annual Concentration ¹	Annual
No Action ²	--	--	3.40	--	--	3.40	--	--	3.40	--	--	3.40	--	--	3.40	--	--	3.40	--	--	3.40	--	--	3.40	
Maximum Production Emissions (3,100 wells)	0	0.026	3.43	0.001	0.001	3.40	0.009	0.006	3.41	0.006	3.41	0.006	3.40	0.000	0.000	3.40	0.000	0.000	3.40	0.000	0.000	3.40	0.000	0.000	3.40
Alternative A (Proposed Action) - Maximum Field Emissions	250	0.132	3.53	0.006	0.006	3.41	0.044	0.026	3.43	0.026	3.43	0.026	3.40	0.002	0.002	3.40	0.001	0.001	3.40	0.001	0.001	3.40	0.001	0.001	3.40
Alternative A	150	0.091	3.49	0.004	0.004	3.40	0.031	0.019	3.42	0.019	3.42	0.019	3.40	0.001	0.001	3.40	0.001	0.001	3.40	0.001	0.001	3.40	0.001	0.001	3.40
Alternative B	75	0.057	3.46	0.003	0.003	3.40	0.021	0.012	3.41	0.012	3.41	0.012	3.40	0.001	0.001	3.40	0.000	0.000	3.40	0.000	0.000	3.40	0.000	0.000	3.40
Alternative C	250	0.153	3.55	0.006	0.006	3.41	0.050	0.030	3.43	0.030	3.43	0.030	3.40	0.002	0.002	3.40	0.001	0.001	3.40	0.001	0.001	3.40	0.001	0.001	3.40
Alternative D	150	0.103	3.50	0.004	0.004	3.40	0.035	0.021	3.42	0.021	3.42	0.021	3.40	0.001	0.001	3.40	0.001	0.001	3.40	0.001	0.001	3.40	0.001	0.001	3.40
Alternative E	75	0.062	3.46	0.003	0.003	3.40	0.023	0.013	3.41	0.013	3.41	0.013	3.40	0.001	0.001	3.40	0.000	0.000	3.40	0.000	0.000	3.40	0.000	0.000	3.40
Alternative F	250	0.121	3.52	0.005	0.005	3.41	0.041	0.024	3.42	0.024	3.42	0.024	3.40	0.002	0.002	3.40	0.001	0.001	3.40	0.001	0.001	3.40	0.001	0.001	3.40
Alternative G	150	0.080	3.48	0.003	0.003	3.40	0.028	0.016	3.42	0.016	3.42	0.016	3.40	0.001	0.001	3.40	0.000	0.000	3.40	0.000	0.000	3.40	0.000	0.000	3.40
Alternative H	75	0.045	3.45	0.002	0.002	3.40	0.017	0.010	3.41	0.010	3.41	0.010	3.40	0.001	0.001	3.40	0.000	0.000	3.40	0.000	0.000	3.40	0.000	0.000	3.40
Alternative I	250																								
Alternative J	150																								
Alternative K	75																								
Alternative L	250																								
Alternative M	150																								
Alternative N	75																								
Alternative O	250																								
Alternative P	150																								
Alternative Q	75																								
Alternative R	250																								
Alternative S	150																								
Alternative T	75																								
Alternative U	250																								
Alternative V	150																								
Alternative W	75																								
Alternative X	250																								
Alternative Y	150																								
Alternative Z	75																								

¹ Direct Modeled Impact and background concentration.
² Total concentration includes direct modeled impact and background concentration only.
 No Action/Alternative was not modeled, total concentration represents background concentration only.

Table F.10.2 Summary of Maximum Modeled Cumulative NO₂ Concentration Impacts (µg/m³) at PSD Class I and Sensitive PSD Class II Areas from Direct Project and Regional Sources.

Alternative	WDR	Bridger Wilderness Class I			Fitzpatrick Wilderness Class I			Papo Age Wilderness Class II			Wind River Roadless Area Class II			Grand Teton National Park Class I			Teton Wilderness Class I			Yellowstone National Park Class I			Washakie Wilderness Area Class I		
		Direct		Total	Direct		Total	Direct		Total	Direct		Total	Direct		Total	Direct		Total	Direct		Total	Direct		Total
		Modeled Impact	Concentration ¹	Annual	Modeled Impact	Concentration ¹	Annual	Modeled Impact	Concentration ¹	Annual	Modeled Impact	Concentration ¹	Annual	Modeled Impact	Concentration ¹	Annual	Modeled Impact	Concentration ¹	Annual	Modeled Impact	Concentration ¹	Annual	Modeled Impact	Concentration ¹	Annual
No Action	--	0.119	3.52	0.011	3.41	0.027	3.43	0.024	3.42	0.029	3.43	0.007	3.43	0.007	3.41	0.003	3.40	0.009	3.41	0.003	3.40	0.009	3.41	0.010	3.41
Maximum Production Emissions (3,100 wells)	0	0.143	3.54	0.012	3.41	0.036	3.44	0.030	3.43	0.029	3.43	0.007	3.43	0.007	3.41	0.003	3.40	0.010	3.41	0.003	3.40	0.010	3.41	0.010	3.41
Alternative A (Proposed Action) - Maximum Field Emissions	250	0.245	3.64	0.017	3.42	0.070	3.47	0.051	3.45	0.030	3.43	0.007	3.43	0.007	3.41	0.003	3.40	0.010	3.41	0.003	3.40	0.010	3.41	0.010	3.41
Alternative A	150	0.203	3.60	0.015	3.42	0.057	3.46	0.043	3.44	0.030	3.43	0.007	3.43	0.007	3.41	0.003	3.40	0.010	3.41	0.003	3.40	0.010	3.41	0.010	3.41
	75	0.170	3.57	0.014	3.41	0.047	3.45	0.036	3.44	0.029	3.43	0.007	3.43	0.007	3.41	0.003	3.40	0.010	3.41	0.003	3.40	0.010	3.41	0.010	3.41
Alternative B	250	0.265	3.67	0.017	3.42	0.076	3.48	0.055	3.45	0.030	3.43	0.007	3.43	0.007	3.41	0.003	3.40	0.010	3.41	0.003	3.40	0.010	3.41	0.010	3.41
	150	0.216	3.62	0.016	3.42	0.060	3.46	0.045	3.45	0.030	3.43	0.007	3.43	0.007	3.41	0.003	3.40	0.010	3.41	0.003	3.40	0.010	3.41	0.010	3.41
	75	0.175	3.57	0.014	3.41	0.049	3.45	0.037	3.44	0.030	3.43	0.007	3.43	0.007	3.41	0.003	3.40	0.010	3.41	0.003	3.40	0.010	3.41	0.010	3.41
Alternative C	250	0.233	3.63	0.016	3.42	0.067	3.47	0.048	3.45	0.030	3.43	0.007	3.43	0.007	3.41	0.003	3.40	0.010	3.41	0.003	3.40	0.010	3.41	0.010	3.41
	150	0.192	3.59	0.015	3.41	0.054	3.45	0.041	3.44	0.030	3.43	0.007	3.43	0.007	3.41	0.003	3.40	0.010	3.41	0.003	3.40	0.010	3.41	0.010	3.41
	75	0.159	3.56	0.013	3.41	0.044	3.44	0.034	3.43	0.029	3.43	0.007	3.43	0.007	3.41	0.003	3.40	0.010	3.41	0.003	3.40	0.010	3.41	0.010	3.41
Alternative D	250																								
	150																								
	75																								
Alternative E	250																								
	150																								
	75																								
Alternative F	250	0.254	3.65	0.017	3.42	0.072	3.47	0.052	3.45	0.030	3.43	0.007	3.43	0.007	3.41	0.003	3.40	0.010	3.41	0.003	3.40	0.010	3.41	0.010	3.41
	150	0.209	3.61	0.015	3.42	0.058	3.46	0.044	3.44	0.030	3.43	0.007	3.43	0.007	3.41	0.003	3.40	0.010	3.41	0.003	3.40	0.010	3.41	0.010	3.41
	75	0.176	3.58	0.014	3.41	0.049	3.45	0.038	3.44	0.030	3.43	0.007	3.43	0.007	3.41	0.003	3.40	0.010	3.41	0.003	3.40	0.010	3.41	0.010	3.41
Alternative G	250																								
	150																								
	75																								

Alternative D was not modeled. Results would be between Alternative A and Alternative C.

Alternative E was not modeled. Results would be between Alternative B and Alternative F.

Alternative G was not modeled. Results would be between Alternative A and Alternative F.

¹ Total concentration includes direct modeled impact and background concentration.

Table F.10.3 Summary of Maximum Modeled SO₂ Concentration (µg/m³) at PSD Class I and Sensitive PSD Class II Areas from Direct Project Sources.

Alternative	Bridger Wilderness Class I				Fitzpatrick Wilderness Class I				Papo Ajie Wilderness Class II				Wind River Roadless Area Class II				Grand Teton National Park Class I				Teton Wilderness Class I				Yellowstone National Park Class I				Washakie Wilderness Area Class I					
	Direct Modeled Impact		Total Concentration ^{1,2}		Direct Modeled Impact		Total Concentration ^{1,2}		Direct Modeled Impact		Total Concentration ^{1,2}		Direct Modeled Impact		Total Concentration ^{1,2}		Direct Modeled Impact		Total Concentration ^{1,2}		Direct Modeled Impact		Total Concentration ^{1,2}		Direct Modeled Impact		Total Concentration ^{1,2}		Direct Modeled Impact		Total Concentration ^{1,2}			
	3-hr	24-hr Annual	3-hr	24-hr Annual	3-hr	24-hr Annual	3-hr	24-hr Annual	3-hr	24-hr Annual	3-hr	24-hr Annual	3-hr	24-hr Annual	3-hr	24-hr Annual	3-hr	24-hr Annual	3-hr	24-hr Annual	3-hr	24-hr Annual	3-hr	24-hr Annual	3-hr	24-hr Annual	3-hr	24-hr Annual	3-hr	24-hr Annual				
No Action ³	--	--	132.0	43.0	--	--	132.0	43.0	--	--	132.0	43.0	--	--	132.0	43.0	--	--	132.0	43.0	--	--	132.0	43.0	--	--	132.0	43.0	--	--	132.0	43.0		
Maximum Production Emissions (3,100 wells)	0	0.005	0.001	0.000	132.0	43.0	0.001	0.000	0.000	132.0	43.0	0.001	0.000	0.000	132.0	43.0	0.001	0.000	0.000	132.0	43.0	0.001	0.000	0.000	132.0	43.0	0.001	0.000	0.000	132.0	43.0			
Alternative A (Proposed Action) - Maximum Field Emissions	250	0.229	0.073	0.004	132.2	43.1	0.019	0.005	0.000	132.0	43.0	0.081	0.013	0.001	132.1	43.0	0.037	0.010	0.001	132.0	43.0	0.007	0.001	0.000	132.0	43.0	0.003	0.001	0.000	132.0	43.0	0.006	0.002	0.000
Alternative A	150	0.143	0.046	0.002	132.1	43.0	0.012	0.003	0.000	132.0	43.0	0.055	0.008	0.001	132.1	43.0	0.024	0.006	0.000	132.0	43.0	0.004	0.001	0.000	132.0	43.0	0.002	0.001	0.000	132.0	43.0	0.004	0.001	0.000
Alternative A	75	0.073	0.022	0.001	132.1	43.0	0.006	0.002	0.000	132.0	43.0	0.026	0.005	0.000	132.0	43.0	0.011	0.004	0.000	132.0	43.0	0.002	0.000	0.000	132.0	43.0	0.001	0.000	0.000	132.0	43.0	0.003	0.001	0.000
Alternative B	250	0.280	0.090	0.004	132.3	43.1	0.023	0.006	0.000	132.0	43.0	0.100	0.016	0.001	132.1	43.0	0.045	0.013	0.001	132.0	43.0	0.009	0.003	0.000	132.0	43.0	0.004	0.001	0.000	132.0	43.0	0.007	0.002	0.000
Alternative B	150	0.174	0.056	0.003	132.2	43.1	0.015	0.004	0.000	132.0	43.0	0.067	0.010	0.001	132.1	43.0	0.029	0.008	0.001	132.0	43.0	0.005	0.001	0.000	132.0	43.0	0.002	0.001	0.000	132.0	43.0	0.005	0.001	0.000
Alternative B	75	0.089	0.027	0.001	132.1	43.0	0.008	0.002	0.000	132.0	43.0	0.032	0.006	0.000	132.0	43.0	0.014	0.004	0.000	132.0	43.0	0.003	0.001	0.000	132.0	43.0	0.001	0.000	0.000	132.0	43.0	0.003	0.001	0.000
Alternative C	250	0.227	0.073	0.004	132.2	43.1	0.019	0.005	0.000	132.0	43.0	0.081	0.013	0.001	132.1	43.0	0.036	0.010	0.001	132.0	43.0	0.007	0.001	0.000	132.0	43.0	0.003	0.001	0.000	132.0	43.0	0.006	0.002	0.000
Alternative C	150	0.140	0.045	0.002	132.1	43.0	0.012	0.003	0.000	132.0	43.0	0.054	0.008	0.001	132.1	43.0	0.023	0.006	0.000	132.0	43.0	0.004	0.001	0.000	132.0	43.0	0.002	0.001	0.000	132.0	43.0	0.004	0.001	0.000
Alternative C	75	0.071	0.022	0.001	132.1	43.0	0.006	0.002	0.000	132.0	43.0	0.026	0.005	0.000	132.1	43.0	0.011	0.004	0.000	132.0	43.0	0.002	0.000	0.000	132.0	43.0	0.001	0.000	0.000	132.0	43.0	0.002	0.001	0.000
Alternative D	250																																	
Alternative D	150																																	
Alternative D	75																																	
Alternative E	250																																	
Alternative E	150																																	
Alternative E	75																																	
Alternative F	250	0.254	0.079	0.004	132.3	43.1	0.021	0.006	0.000	132.0	43.0	0.090	0.014	0.001	132.1	43.0	0.041	0.011	0.001	132.0	43.0	0.008	0.001	0.000	132.0	43.0	0.003	0.001	0.000	132.0	43.0	0.007	0.002	0.000
Alternative F	150	0.157	0.050	0.002	132.2	43.0	0.014	0.004	0.000	132.0	43.0	0.060	0.009	0.001	132.1	43.0	0.026	0.007	0.001	132.0	43.0	0.005	0.001	0.000	132.0	43.0	0.002	0.001	0.000	132.0	43.0	0.004	0.001	0.000
Alternative F	75	0.081	0.024	0.001	132.1	43.0	0.007	0.002	0.000	132.0	43.0	0.029	0.005	0.000	132.0	43.0	0.012	0.004	0.000	132.0	43.0	0.003	0.001	0.000	132.0	43.0	0.001	0.000	0.000	132.0	43.0	0.003	0.001	0.000
Alternative G	250																																	
Alternative G	150																																	
Alternative G	75																																	

¹ Total concentration includes direct modeled impact and background concentration.

² Under the No Action Alternative and all other alternatives, the background concentration of SO₂ is 9 µg/m³.

³ No Action Alternative was not modeled.

Table F.10.4 Summary of Maximum Modeled Cumulative SO₂ Concentration (µg/m³) at PSD Class I and Sensitive PSD Class II Areas from Direct Project and Regional Sources.

Alternative No Action	Bridge Wilderness Class I						Fitzpatrick Wilderness Class I						Popo Azie Wilderness Class II						Wind River Roadless Area Class II						Grand Teton National Park Class I						Teton Wilderness Class I						Yellowstone National Park Class I						Washaki Wilderness Area Class I					
	Direct Modeled Impact		Total Concentration ¹		Direct Modeled Impact		Total Concentration ¹		Direct Modeled Impact		Total Concentration ¹		Direct Modeled Impact		Total Concentration ¹		Direct Modeled Impact		Total Concentration ¹		Direct Modeled Impact		Total Concentration ¹		Direct Modeled Impact		Total Concentration ¹		Direct Modeled Impact		Total Concentration ¹		Direct Modeled Impact		Total Concentration ¹													
	3-hr	24-hr Annual	3-hr	24-hr Annual	3-hr	24-hr Annual	3-hr	24-hr Annual	3-hr	24-hr Annual	3-hr	24-hr Annual	3-hr	24-hr Annual	3-hr	24-hr Annual	3-hr	24-hr Annual	3-hr	24-hr Annual	3-hr	24-hr Annual	3-hr	24-hr Annual	3-hr	24-hr Annual	3-hr	24-hr Annual	3-hr	24-hr Annual	3-hr	24-hr Annual	3-hr	24-hr Annual														
0	0.16	0.04	0.00	132.16	43.04	9.00	132.02	43.01	9.00	0.02	0.01	0.00	132.02	43.01	9.00	0.11	0.01	0.00	132.11	43.01	9.00	0.20	0.04	0.01	132.20	43.04	9.01	0.04	0.01	0.00	132.04	43.01	9.00	0.07	0.01	0.00	132.07	43.01	9.00									
Maximum Production Emissions (3,100 wells)																																																
250	0.24	0.08	0.00	132.24	43.08	9.00	132.02	43.01	9.00	0.08	0.01	0.00	132.08	43.01	9.00	0.12	0.01	0.00	132.12	43.01	9.00	0.20	0.04	0.01	132.20	43.04	9.01	0.04	0.01	0.00	132.04	43.01	9.00	0.07	0.01	0.00	132.07	43.01	9.00									
Alternative A (Proposed Action) - Maximum Field Emissions																																																
150	0.17	0.05	0.00	132.17	43.05	9.00	132.02	43.01	9.00	0.06	0.01	0.00	132.06	43.01	9.00	0.11	0.01	0.00	132.11	43.01	9.00	0.20	0.04	0.01	132.20	43.04	9.01	0.04	0.01	0.00	132.04	43.01	9.00	0.07	0.01	0.00	132.07	43.01	9.00									
75	0.17	0.04	0.00	132.17	43.04	9.00	132.02	43.01	9.00	0.03	0.01	0.00	132.03	43.01	9.00	0.11	0.01	0.00	132.11	43.01	9.00	0.20	0.04	0.01	132.20	43.04	9.01	0.04	0.01	0.00	132.04	43.01	9.00	0.07	0.01	0.00	132.07	43.01	9.00									
Alternative B																																																
150	0.19	0.06	0.00	132.19	43.06	9.00	132.02	43.01	9.00	0.07	0.01	0.00	132.07	43.01	9.00	0.11	0.01	0.00	132.11	43.01	9.00	0.20	0.04	0.01	132.20	43.04	9.01	0.04	0.01	0.00	132.04	43.01	9.00	0.07	0.01	0.00	132.07	43.01	9.00									
75	0.17	0.04	0.00	132.17	43.04	9.00	132.02	43.01	9.00	0.03	0.01	0.00	132.03	43.01	9.00	0.11	0.01	0.00	132.11	43.01	9.00	0.20	0.04	0.01	132.20	43.04	9.01	0.04	0.01	0.00	132.04	43.01	9.00	0.07	0.01	0.00	132.07	43.01	9.00									
Alternative C																																																
250	0.24	0.08	0.00	132.24	43.08	9.00	132.02	43.01	9.00	0.08	0.01	0.00	132.08	43.01	9.00	0.12	0.01	0.00	132.12	43.01	9.00	0.20	0.04	0.01	132.20	43.04	9.01	0.04	0.01	0.00	132.04	43.01	9.00	0.07	0.01	0.00	132.07	43.01	9.00									
150	0.17	0.05	0.00	132.17	43.05	9.00	132.02	43.01	9.00	0.06	0.01	0.00	132.06	43.01	9.00	0.11	0.01	0.00	132.11	43.01	9.00	0.20	0.04	0.01	132.20	43.04	9.01	0.04	0.01	0.00	132.04	43.01	9.00	0.07	0.01	0.00	132.07	43.01	9.00									
75	0.17	0.04	0.00	132.17	43.04	9.00	132.02	43.01	9.00	0.03	0.01	0.00	132.03	43.01	9.00	0.11	0.01	0.00	132.11	43.01	9.00	0.20	0.04	0.01	132.20	43.04	9.01	0.04	0.01	0.00	132.04	43.01	9.00	0.07	0.01	0.00	132.07	43.01	9.00									
Alternative D																																																
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Alternative F																																																
250	0.27	0.09	0.00	132.27	43.09	9.00	132.02	43.01	9.00	0.09	0.02	0.00	132.09	43.02	9.00	0.12	0.01	0.00	132.12	43.01	9.00	0.20	0.04	0.01	132.20	43.04	9.01	0.04	0.01	0.00	132.04	43.01	9.00	0.07	0.01	0.00	132.07	43.01	9.00									
150	0.17	0.06	0.00	132.17	43.06	9.00	132.02	43.01	9.00	0.06	0.01	0.00	132.06	43.01	9.00	0.11	0.01	0.00	132.11	43.01	9.00	0.20	0.04	0.01	132.20	43.04	9.01	0.04	0.01	0.00	132.04	43.01	9.00	0.07	0.01	0.00	132.07	43.01	9.00									
75	0.17	0.04	0.00	132.17	43.04	9.00	132.02	43.01	9.00	0.03	0.01	0.00	132.03	43.01	9.00	0.11	0.01	0.00	132.11	43.01	9.00	0.20	0.04	0.01	132.20	43.04	9.01	0.04	0.01	0.00	132.04	43.01	9.00	0.07	0.01	0.00	132.07	43.01	9.00									
Alternative G																																																
250																																																
150																																																
75																																																

¹ Total concentration includes direct modeled impact and background concentration.

Table F.10.5 Summary of Maximum Modeled PM₁₀ Concentration Impacts (µg/m³) at PSD Class I and Sensitive PSD Class II Areas from Direct Project Sources.

Alternative	WDR	Bridger Wilderness Class I			Fitzpatrick Wilderness Class I			Papo Agile Wilderness Class II			Wind River Roadless Area Class II			Grand Teton National Park Class I			Teton Wilderness Class I			Yellowstone National Park Class I			Washakie Wilderness Area Class I						
		Direct	Modeled	Total	Direct	Modeled	Total	Direct	Modeled	Total	Direct	Modeled	Total	Direct	Modeled	Total	Direct	Modeled	Total	Direct	Modeled	Total	Direct	Modeled	Total				
		Impact	Concentration ¹	24-hr Annual	Impact	Concentration ¹	24-hr Annual	Impact	Concentration ¹	24-hr Annual	Impact	Concentration ¹	24-hr Annual	Impact	Concentration ¹	24-hr Annual	Impact	Concentration ¹	24-hr Annual	Impact	Concentration ¹	24-hr Annual	Impact	Concentration ¹	24-hr Annual				
No Action ²	--	--	33.0	--	--	33.0	16.00	--	--	33.0	16.00	--	--	33.0	16.00	--	--	33.0	16.00	--	--	33.0	16.00	--	--	33.0	16.00		
Maximum Production Emissions (3,100 wells)	0	0.75	0.030	33.7	16.03	0.07	0.003	33.1	16.01	0.12	0.006	33.1	16.01	0.03	0.001	33.0	16.00	0.02	0.001	33.0	16.00	0.01	0.000	33.0	16.00	0.03	0.001	33.0	16.00
Alternative A (Proposed Action) - Maximum Field Emissions	250	1.66	0.063	34.7	16.06	0.18	0.006	33.2	16.01	0.26	0.018	33.3	16.02	0.19	0.013	33.2	16.01	0.09	0.003	33.1	16.00	0.04	0.002	33.0	16.00	0.08	0.002	33.1	16.00
Alternative A	150	1.28	0.050	34.3	16.05	0.14	0.005	33.1	16.00	0.21	0.014	33.2	16.01	0.16	0.010	33.2	16.01	0.07	0.002	33.1	16.00	0.03	0.001	33.0	16.00	0.06	0.002	33.1	16.00
Alternative B	75	1.00	0.039	34.0	16.04	0.10	0.004	33.1	16.00	0.18	0.011	33.2	16.01	0.14	0.008	33.1	16.01	0.05	0.001	33.0	16.00	0.02	0.001	33.0	16.00	0.04	0.001	33.0	16.00
Alternative C	250	1.70	0.068	34.7	16.07	0.20	0.007	33.2	16.01	0.24	0.02	33.2	16.02	0.19	0.014	33.2	16.01	0.10	0.003	33.1	16.00	0.05	0.002	33.0	16.00	0.08	0.002	33.1	16.00
Alternative D	150	1.31	0.053	34.3	16.05	0.15	0.005	33.1	16.01	0.20	0.015	33.2	16.01	0.16	0.011	33.2	16.01	0.08	0.002	33.1	16.00	0.03	0.001	33.0	16.00	0.06	0.002	33.1	16.00
Alternative E	75	0.99	0.041	34.0	16.04	0.11	0.004	33.1	16.00	0.17	0.011	33.2	16.01	0.14	0.008	33.1	16.01	0.05	0.002	33.1	16.00	0.02	0.001	33.0	16.00	0.04	0.001	33.0	16.00
Alternative F	250	1.24	0.046	34.2	16.05	0.14	0.005	33.1	16.00	0.17	0.014	33.2	16.01	0.13	0.009	33.1	16.01	0.08	0.002	33.1	16.00	0.04	0.001	33.0	16.00	0.06	0.002	33.1	16.00
Alternative G	150	0.87	0.033	33.9	16.03	0.10	0.003	33.1	16.00	0.13	0.010	33.1	16.01	0.09	0.007	33.1	16.01	0.05	0.002	33.1	16.00	0.02	0.001	33.0	16.00	0.04	0.001	33.0	16.00
Alternative H	75	0.59	0.022	33.6	16.02	0.06	0.002	33.1	16.00	0.09	0.007	33.1	16.01	0.07	0.005	33.1	16.00	0.03	0.001	33.0	16.00	0.02	0.000	33.0	16.00	0.03	0.001	33.0	16.00
Alternative I	250	1.65	0.064	34.7	16.06	0.19	0.006	33.2	16.01	0.25	0.018	33.2	16.02	0.19	0.013	33.2	16.01	0.10	0.003	33.1	16.00	0.04	0.002	33.0	16.00	0.08	0.002	33.1	16.00
Alternative J	150	1.31	0.051	34.3	16.05	0.14	0.005	33.1	16.01	0.21	0.014	33.2	16.01	0.16	0.010	33.2	16.01	0.07	0.002	33.1	16.00	0.03	0.001	33.0	16.00	0.06	0.002	33.1	16.00
Alternative K	75	1.04	0.041	34.0	16.04	0.11	0.004	33.1	16.00	0.18	0.011	33.2	16.01	0.14	0.008	33.1	16.01	0.05	0.002	33.1	16.00	0.03	0.001	33.0	16.00	0.04	0.001	33.0	16.00
Alternative L	250	1.65	0.064	34.7	16.06	0.19	0.006	33.2	16.01	0.25	0.018	33.2	16.02	0.19	0.013	33.2	16.01	0.10	0.003	33.1	16.00	0.04	0.002	33.0	16.00	0.08	0.002	33.1	16.00
Alternative M	150	1.31	0.051	34.3	16.05	0.14	0.005	33.1	16.01	0.21	0.014	33.2	16.01	0.16	0.010	33.2	16.01	0.07	0.002	33.1	16.00	0.03	0.001	33.0	16.00	0.06	0.002	33.1	16.00
Alternative N	75	1.04	0.041	34.0	16.04	0.11	0.004	33.1	16.00	0.18	0.011	33.2	16.01	0.14	0.008	33.1	16.01	0.05	0.002	33.1	16.00	0.03	0.001	33.0	16.00	0.04	0.001	33.0	16.00
Alternative O	250	1.65	0.064	34.7	16.06	0.19	0.006	33.2	16.01	0.25	0.018	33.2	16.02	0.19	0.013	33.2	16.01	0.10	0.003	33.1	16.00	0.04	0.002	33.0	16.00	0.08	0.002	33.1	16.00
Alternative P	150	1.31	0.051	34.3	16.05	0.14	0.005	33.1	16.01	0.21	0.014	33.2	16.01	0.16	0.010	33.2	16.01	0.07	0.002	33.1	16.00	0.03	0.001	33.0	16.00	0.06	0.002	33.1	16.00
Alternative Q	75	1.04	0.041	34.0	16.04	0.11	0.004	33.1	16.00	0.18	0.011	33.2	16.01	0.14	0.008	33.1	16.01	0.05	0.002	33.1	16.00	0.03	0.001	33.0	16.00	0.04	0.001	33.0	16.00
Alternative R	250	1.65	0.064	34.7	16.06	0.19	0.006	33.2	16.01	0.25	0.018	33.2	16.02	0.19	0.013	33.2	16.01	0.10	0.003	33.1	16.00	0.04	0.002	33.0	16.00	0.08	0.002	33.1	16.00
Alternative S	150	1.31	0.051	34.3	16.05	0.14	0.005	33.1	16.01	0.21	0.014	33.2	16.01	0.16	0.010	33.2	16.01	0.07	0.002	33.1	16.00	0.03	0.001	33.0	16.00	0.06	0.002	33.1	16.00
Alternative T	75	1.04	0.041	34.0	16.04	0.11	0.004	33.1	16.00	0.18	0.011	33.2	16.01	0.14	0.008	33.1	16.01	0.05	0.002	33.1	16.00	0.03	0.001	33.0	16.00	0.04	0.001	33.0	16.00
Alternative U	250	1.65	0.064	34.7	16.06	0.19	0.006	33.2	16.01	0.25	0.018	33.2	16.02	0.19	0.013	33.2	16.01	0.10	0.003	33.1	16.00	0.04	0.002	33.0	16.00	0.08	0.002	33.1	16.00
Alternative V	150	1.31	0.051	34.3	16.05	0.14	0.005	33.1	16.01	0.21	0.014	33.2	16.01	0.16	0.010	33.2	16.01	0.07	0.002	33.1	16.00	0.03	0.001	33.0	16.00	0.06	0.002	33.1	16.00
Alternative W	75	1.04	0.041	34.0	16.04	0.11	0.004	33.1	16.00	0.18	0.011	33.2	16.01	0.14	0.008	33.1	16.01	0.05	0.002	33.1	16.00	0.03	0.001	33.0	16.00	0.04	0.001	33.0	16.00
Alternative X	250	1.65	0.064	34.7	16.06	0.19	0.006	33.2	16.01	0.25	0.018	33.2	16.02	0.19	0.013	33.2	16.01	0.10	0.003	33.1	16.00	0.04	0.002	33.0	16.00	0.08	0.002	33.1	16.00
Alternative Y	150	1.31	0.051	34.3	16.05	0.14	0.005	33.1	16.01	0.21	0.014	33.2	16.01	0.16	0.010	33.2	16.01	0.07	0.002	33.1	16.00	0.03	0.001	33.0	16.00	0.06	0.002	33.1	16.00
Alternative Z	75	1.04	0.041	34.0	16.04	0.11	0.004	33.1	16.00	0.18	0.011	33.2	16.01	0.14	0.008	33.1	16.01	0.05	0.002	33.1	16.00	0.03	0.001	33.0	16.00	0.04	0.001	33.0	16.00

¹ Direct and background concentration.

² Total Concentration includes direct modeled and background concentration only.

No Action Alternative was not modeled, total concentration is background concentration only.

Table F.10.6 Summary of Maximum Modeled Cumulative PM₁₀ Concentration Impacts (µg/m³) at PSD Class I and Sensitive PSD Class II Areas from Direct Project and Regional Sources.

	Bridger Wilderness Class I			Fitzpatrick Wilderness Class I			Popo Agie Wilderness Class II			Wind River Roadless Area Class II			Grand Teton National Park Class I			Teton Wilderness Class I			Yellowstone National Park Class I			Washlake Wilderness Area Class I															
	Direct Modeled Impact	Total Concentration ¹	24-hr Annual	Direct Modeled Impact	Total Concentration ¹	24-hr Annual	Direct Modeled Impact	Total Concentration ¹	24-hr Annual	Direct Modeled Impact	Total Concentration ¹	24-hr Annual	Direct Modeled Impact	Total Concentration ¹	24-hr Annual	Direct Modeled Impact	Total Concentration ¹	24-hr Annual	Direct Modeled Impact	Total Concentration ¹	24-hr Annual	Direct Modeled Impact	Total Concentration ¹	24-hr Annual													
	24-hr Annual	24-hr Annual	24-hr Annual	24-hr Annual	24-hr Annual	24-hr Annual	24-hr Annual	24-hr Annual	24-hr Annual	24-hr Annual	24-hr Annual	24-hr Annual	24-hr Annual	24-hr Annual	24-hr Annual	24-hr Annual	24-hr Annual	24-hr Annual	24-hr Annual	24-hr Annual	24-hr Annual	24-hr Annual	24-hr Annual	24-hr Annual													
No Action	0.46	0.018	33.46	16.02	0.13	0.005	33.13	16.00	0.14	0.008	33.14	16.01	0.21	0.009	33.21	16.01	0.12	0.012	33.12	16.01	0.04	0.005	33.04	16.00	0.04	0.003	33.04	16.00									
Maximum Production Emissions (3,100 wells)	0	0.91	0.047	33.91	16.05	0.15	0.008	33.15	16.01	0.20	0.015	33.20	16.01	0.23	0.014	33.23	16.01	0.13	0.013	33.13	16.01	0.05	0.006	33.05	16.01	0.05	0.004	33.05	16.00								
Alternative A (Proposed Action) - Maximum Field Emissions	250	1.82	0.081	34.82	16.08	0.20	0.011	33.20	16.01	0.31	0.024	33.31	16.02	0.29	0.021	33.29	16.02	0.14	0.015	33.14	16.02	0.08	0.007	33.08	16.01	0.06	0.005	33.06	16.00	0.09	0.005	33.09	16.00				
Alternative A	150	1.45	0.067	34.45	16.07	0.17	0.010	33.17	16.01	0.27	0.020	33.27	16.02	0.27	0.018	33.27	16.02	0.13	0.014	33.13	16.01	0.07	0.006	33.07	16.01	0.06	0.005	33.06	16.00	0.07	0.004	33.07	16.00				
	75	1.16	0.057	34.16	16.06	0.16	0.009	33.16	16.01	0.24	0.017	33.24	16.02	0.25	0.016	33.25	16.02	0.13	0.014	33.13	16.01	0.06	0.006	33.06	16.01	0.05	0.004	33.05	16.00	0.06	0.004	33.06	16.00				
Alternative B	250	1.87	0.086	34.87	16.09	0.22	0.012	33.22	16.01	0.30	0.026	33.30	16.03	0.30	0.022	33.30	16.02	0.15	0.015	33.15	16.02	0.08	0.007	33.08	16.01	0.07	0.005	33.07	16.00	0.10	0.005	33.10	16.01				
	150	1.48	0.071	34.48	16.07	0.18	0.010	33.18	16.01	0.26	0.021	33.26	16.02	0.27	0.019	33.27	16.02	0.13	0.015	33.13	16.01	0.07	0.006	33.07	16.01	0.06	0.005	33.06	16.00	0.08	0.005	33.08	16.00				
	75	1.16	0.058	34.16	16.06	0.16	0.009	33.16	16.01	0.23	0.018	33.23	16.02	0.25	0.016	33.25	16.02	0.13	0.014	33.13	16.01	0.06	0.006	33.06	16.01	0.05	0.004	33.05	16.00	0.06	0.004	33.06	16.00				
Alternative C	250	1.40	0.063	34.40	16.06	0.18	0.010	33.18	16.01	0.23	0.020	33.23	16.02	0.28	0.017	33.28	16.02	0.14	0.015	33.14	16.01	0.07	0.006	33.07	16.01	0.06	0.005	33.06	16.00	0.08	0.005	33.08	16.00				
	150	1.03	0.050	34.03	16.05	0.17	0.008	33.17	16.01	0.20	0.016	33.20	16.02	0.26	0.015	33.26	16.01	0.13	0.014	33.13	16.01	0.06	0.006	33.06	16.01	0.05	0.004	33.05	16.00	0.06	0.004	33.06	16.00				
	75	0.75	0.040	33.75	16.04	0.16	0.007	33.16	16.01	0.18	0.013	33.18	16.01	0.24	0.013	33.24	16.01	0.13	0.013	33.13	16.01	0.05	0.006	33.05	16.01	0.05	0.004	33.05	16.00	0.05	0.004	33.05	16.00				
Alternative D	250																																				
	150																																				
	75																																				
Alternative E	250																																				
	150																																				
	75																																				
Alternative F	250	1.82	0.081	34.82	16.08	0.21	0.011	33.21	16.01	0.30	0.024	33.30	16.02	0.29	0.021	33.29	16.02	0.14	0.015	33.14	16.02	0.08	0.007	33.08	16.01	0.06	0.005	33.06	16.00	0.09	0.005	33.09	16.00				
	150	1.47	0.069	34.47	16.07	0.18	0.010	33.18	16.01	0.27	0.020	33.27	16.02	0.27	0.018	33.27	16.02	0.13	0.014	33.13	16.01	0.07	0.006	33.07	16.01	0.06	0.005	33.06	16.00	0.08	0.004	33.08	16.00				
	75	1.20	0.059	34.20	16.06	0.16	0.009	33.16	16.01	0.24	0.018	33.24	16.02	0.25	0.016	33.25	16.02	0.13	0.014	33.13	16.01	0.06	0.006	33.06	16.01	0.05	0.004	33.05	16.00	0.06	0.004	33.06	16.00				
Alternative G	250																																				
	150																																				
	75																																				

Alternative D was not modeled. Results would be between Alternative A and Alternative C.

Alternative E was not modeled. Results would be between Alternative B and Alternative F.

Alternative G was not modeled. Results would be between Alternative A and Alternative F.

¹ Total concentration includes direct modeled impact and background concentration.

Table F.10.7 Summary of Maximum Modeled PM_{2.5} Concentration Impacts (µg/m³) at PSD Class I and Sensitive PSD Class II Areas from Direct Project Sources.

	Bridger Wilderness Class I			Fitzpatrick Wilderness Class I			Papo Agie Wilderness Class II			Wind River Roadless Area Class II			Grand Teton National Park Class I			Teton Wilderness Class I			Yellowstone National Park Class I			Washakie Wilderness Area Class I																
	Direct Modeled Impact	Total Concentration ¹	24-hr Annual	Direct Modeled Impact	Total Concentration ¹	24-hr Annual	Direct Modeled Impact	Total Concentration ¹	24-hr Annual	Direct Modeled Impact	Total Concentration ¹	24-hr Annual	Direct Modeled Impact	Total Concentration ¹	24-hr Annual	Direct Modeled Impact	Total Concentration ¹	24-hr Annual	Direct Modeled Impact	Total Concentration ¹	24-hr Annual	Direct Modeled Impact	Total Concentration ¹	24-hr Annual														
Alternative WDR	13.0	5.00	--	13.0	5.00	--	13.0	5.00	--	13.0	5.00	--	13.0	5.00	--	13.0	5.00	--	13.0	5.00	--	13.0	5.00	--	13.0	5.00												
No Action ²	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	13.0	5.00											
Maximum Production Emissions (3,100 wells)	0	0.75	0.030	13.7	5.03	0.07	0.003	13.1	5.00	0.15	0.008	13.1	5.01	0.12	0.006	13.1	5.01	0.03	0.001	13.0	5.00	0.02	0.001	13.0	5.00	0.01	0.000	13.0	5.00	0.03	0.001	13.0	5.00	0.03	0.001	13.0	5.00	
Alternative A (Proposed Action) - Maximum Field Emissions	250	1.66	0.063	14.7	5.06	0.18	0.006	13.2	5.01	0.26	0.018	13.3	5.02	0.19	0.013	13.2	5.01	0.09	0.003	13.1	5.00	0.04	0.002	13.0	5.00	0.04	0.001	13.0	5.00	0.08	0.002	13.1	5.00	0.08	0.002	13.1	5.00	
Alternative A	150	1.28	0.050	14.3	5.05	0.14	0.005	13.1	5.00	0.21	0.014	13.2	5.01	0.16	0.010	13.2	5.01	0.07	0.002	13.1	5.00	0.03	0.001	13.0	5.00	0.03	0.001	13.0	5.00	0.06	0.002	13.1	5.00	0.06	0.002	13.1	5.00	
75	1.00	0.039	14.0	5.04	0.10	0.004	13.1	5.00	0.18	0.011	13.2	5.01	0.14	0.008	13.1	5.01	0.05	0.001	13.0	5.00	0.02	0.001	13.0	5.00	0.02	0.001	13.0	5.00	0.04	0.001	13.0	5.00	0.04	0.001	13.0	5.00		
Alternative B	250	1.70	0.068	14.7	5.07	0.20	0.007	13.2	5.01	0.24	0.020	13.2	5.02	0.19	0.014	13.2	5.01	0.10	0.003	13.1	5.00	0.05	0.002	13.0	5.00	0.05	0.001	13.0	5.00	0.08	0.002	13.1	5.00	0.08	0.002	13.1	5.00	
150	1.31	0.053	14.3	5.05	0.15	0.005	13.1	5.01	0.20	0.015	13.2	5.01	0.16	0.011	13.2	5.01	0.08	0.002	13.1	5.00	0.03	0.001	13.0	5.00	0.03	0.001	13.0	5.00	0.06	0.002	13.1	5.00	0.06	0.002	13.1	5.00		
75	0.99	0.041	14.0	5.04	0.11	0.004	13.1	5.00	0.17	0.011	13.2	5.01	0.14	0.008	13.1	5.01	0.05	0.002	13.1	5.00	0.03	0.001	13.0	5.00	0.03	0.001	13.0	5.00	0.04	0.001	13.0	5.00	0.04	0.001	13.0	5.00		
Alternative C	250	1.24	0.046	14.2	5.05	0.14	0.005	13.1	5.00	0.17	0.014	13.2	5.01	0.13	0.009	13.1	5.01	0.08	0.002	13.1	5.00	0.04	0.001	13.0	5.00	0.04	0.001	13.0	5.00	0.06	0.002	13.1	5.00	0.06	0.002	13.1	5.00	
150	0.87	0.033	13.9	5.03	0.10	0.003	13.1	5.00	0.13	0.010	13.1	5.01	0.09	0.007	13.1	5.01	0.05	0.002	13.1	5.00	0.02	0.001	13.0	5.00	0.02	0.001	13.0	5.00	0.04	0.001	13.0	5.00	0.04	0.001	13.0	5.00		
75	0.59	0.022	13.6	5.02	0.06	0.002	13.1	5.00	0.09	0.007	13.1	5.01	0.07	0.005	13.1	5.00	0.03	0.001	13.0	5.00	0.02	0.001	13.0	5.00	0.02	0.001	13.0	5.00	0.03	0.001	13.0	5.00	0.03	0.001	13.0	5.00		
Alternative D	250																																					
150																																						
75																																						
Alternative E	250																																					
150																																						
75																																						
Alternative F	250	1.65	0.064	14.7	5.06	0.19	0.006	13.2	5.01	0.25	0.018	13.2	5.02	0.19	0.013	13.2	5.01	0.10	0.003	13.1	5.00	0.04	0.002	13.0	5.00	0.04	0.001	13.0	5.00	0.08	0.002	13.1	5.00	0.08	0.002	13.1	5.00	
150	1.31	0.051	14.3	5.05	0.14	0.005	13.1	5.01	0.21	0.014	13.2	5.01	0.16	0.010	13.2	5.01	0.07	0.002	13.1	5.00	0.03	0.001	13.0	5.00	0.03	0.001	13.0	5.00	0.06	0.002	13.1	5.00	0.06	0.002	13.1	5.00		
75	1.04	0.041	14.0	5.04	0.11	0.004	13.1	5.00	0.18	0.011	13.2	5.01	0.14	0.008	13.1	5.01	0.05	0.002	13.1	5.00	0.03	0.001	13.0	5.00	0.03	0.001	13.0	5.00	0.04	0.001	13.0	5.00	0.04	0.001	13.0	5.00		
Alternative G	250																																					
150																																						
75																																						

¹ Direct and background concentration.
² Total concentration includes direct modeled impact and background concentration only.
 No Action Alternative was not modeled, total concentration re

Table F.10.8 Summary of Maximum Modeled Cumulative PM_{2.5} Concentration Impacts (µg/m³) at PSD Class I and Sensitive PSD Class II Areas from Direct Project and Regional Sources.

	Blüdder Wilderness Class I			Fitzpatrick Wilderness Class I			Popo Agie Wilderness Class II			Wind River Roadless Area Class II			Grand Teton National Park Class I			Teton Wilderness Class I			Yellowstone National Park Class I			Washakie Wilderness Area Class I											
	Direct Modeled Impact	Total Concentration ¹	24-hr Annual	Direct Modeled Impact	Total Concentration ¹	24-hr Annual	Direct Modeled Impact	Total Concentration ¹	24-hr Annual	Direct Modeled Impact	Total Concentration ¹	24-hr Annual	Direct Modeled Impact	Total Concentration ¹	24-hr Annual	Direct Modeled Impact	Total Concentration ¹	24-hr Annual	Direct Modeled Impact	Total Concentration ¹	24-hr Annual	Direct Modeled Impact	Total Concentration ¹	24-hr Annual									
No Action	0.43	0.019	13.43	5.02	0.006	13.12	5.01	0.13	0.009	13.13	5.01	0.19	0.010	13.19	5.01	0.11	0.013	13.11	0.04	0.005	13.04	5.00	0.04	0.004	13.04	5.00							
Maximum Production Emissions (3,100 wells)	0	0.91	0.048	13.91	5.05	0.14	0.008	13.14	5.01	0.20	0.016	13.20	5.02	0.22	0.015	13.22	5.02	0.12	0.014	13.12	5.01	0.05	0.006	13.05	5.01	0.05	0.004	13.05	5.00				
Alternative A (Proposed Action) - Maximum Field Emissions	250	1.82	0.081	14.82	5.08	0.20	0.012	13.20	5.01	0.31	0.026	13.31	5.03	0.28	0.022	13.28	5.02	0.14	0.015	13.14	5.02	0.08	0.007	13.08	5.01	0.06	0.005	13.06	5.01	0.09	0.005	13.09	5.01
Alternative A	150	1.45	0.068	14.45	5.07	0.17	0.011	13.17	5.01	0.27	0.022	13.27	5.02	0.26	0.019	13.26	5.02	0.13	0.015	13.13	5.01	0.06	0.006	13.06	5.01	0.06	0.005	13.06	5.00	0.07	0.005	13.07	5.00
Alternative B	75	1.15	0.058	14.15	5.06	0.16	0.009	13.16	5.01	0.23	0.019	13.23	5.02	0.24	0.017	13.24	5.02	0.12	0.014	13.12	5.01	0.06	0.006	13.06	5.01	0.05	0.005	13.05	5.00	0.06	0.005	13.06	5.00
Alternative C	250	1.87	0.087	14.87	5.09	0.22	0.013	13.22	5.01	0.30	0.028	13.30	5.03	0.29	0.023	13.29	5.02	0.15	0.016	13.15	5.02	0.08	0.007	13.08	5.01	0.07	0.005	13.07	5.01	0.10	0.006	13.10	5.01
Alternative D	150	1.48	0.071	14.48	5.07	0.18	0.011	13.18	5.01	0.26	0.023	13.26	5.02	0.26	0.020	13.26	5.02	0.13	0.015	13.13	5.02	0.07	0.007	13.07	5.01	0.06	0.005	13.06	5.00	0.08	0.005	13.08	5.00
Alternative E	75	1.15	0.059	14.15	5.06	0.16	0.010	13.16	5.01	0.23	0.020	13.23	5.02	0.24	0.017	13.24	5.02	0.12	0.014	13.12	5.01	0.06	0.006	13.06	5.01	0.05	0.005	13.05	5.00	0.06	0.005	13.06	5.00
Alternative F	250	1.40	0.064	14.40	5.06	0.18	0.011	13.18	5.01	0.23	0.023	13.23	5.02	0.27	0.018	13.27	5.02	0.13	0.015	13.13	5.02	0.07	0.007	13.07	5.01	0.06	0.005	13.06	5.00	0.08	0.005	13.08	5.01
Alternative G	150	1.03	0.051	14.03	5.05	0.16	0.009	13.16	5.01	0.19	0.019	13.19	5.02	0.25	0.016	13.25	5.02	0.12	0.014	13.12	5.01	0.06	0.006	13.06	5.01	0.05	0.005	13.05	5.00	0.06	0.005	13.06	5.00
Alternative H	75	0.75	0.041	13.75	5.04	0.15	0.008	13.15	5.01	0.17	0.015	13.17	5.02	0.23	0.014	13.23	5.01	0.12	0.014	13.12	5.01	0.05	0.006	13.05	5.01	0.05	0.004	13.05	5.00	0.05	0.004	13.05	5.00
Alternative I	250	1.81	0.082	14.81	5.08	0.21	0.012	13.21	5.01	0.30	0.027	13.30	5.03	0.29	0.022	13.29	5.02	0.14	0.016	13.14	5.02	0.08	0.007	13.08	5.01	0.06	0.005	13.06	5.01	0.09	0.005	13.09	5.01
Alternative J	150	1.47	0.070	14.47	5.07	0.17	0.011	13.17	5.01	0.27	0.023	13.27	5.02	0.26	0.020	13.26	5.02	0.13	0.015	13.13	5.01	0.07	0.007	13.07	5.01	0.06	0.005	13.06	5.00	0.08	0.005	13.08	5.00
Alternative K	75	1.19	0.060	14.19	5.06	0.16	0.010	13.16	5.01	0.24	0.020	13.24	5.02	0.24	0.018	13.24	5.02	0.12	0.014	13.12	5.01	0.06	0.006	13.06	5.01	0.05	0.005	13.05	5.00	0.06	0.005	13.06	5.00
Alternative L	250	1.81	0.082	14.81	5.08	0.21	0.012	13.21	5.01	0.30	0.027	13.30	5.03	0.29	0.022	13.29	5.02	0.14	0.016	13.14	5.02	0.08	0.007	13.08	5.01	0.06	0.005	13.06	5.01	0.09	0.005	13.09	5.01
Alternative M	150	1.47	0.070	14.47	5.07	0.17	0.011	13.17	5.01	0.27	0.023	13.27	5.02	0.26	0.020	13.26	5.02	0.13	0.015	13.13	5.01	0.07	0.007	13.07	5.01	0.06	0.005	13.06	5.00	0.08	0.005	13.08	5.00
Alternative N	75	1.19	0.060	14.19	5.06	0.16	0.010	13.16	5.01	0.24	0.020	13.24	5.02	0.24	0.018	13.24	5.02	0.12	0.014	13.12	5.01	0.06	0.006	13.06	5.01	0.05	0.005	13.05	5.00	0.06	0.005	13.06	5.00
Alternative O	250	1.81	0.082	14.81	5.08	0.21	0.012	13.21	5.01	0.30	0.027	13.30	5.03	0.29	0.022	13.29	5.02	0.14	0.016	13.14	5.02	0.08	0.007	13.08	5.01	0.06	0.005	13.06	5.01	0.09	0.005	13.09	5.01
Alternative P	150	1.47	0.070	14.47	5.07	0.17	0.011	13.17	5.01	0.27	0.023	13.27	5.02	0.26	0.020	13.26	5.02	0.13	0.015	13.13	5.01	0.07	0.007	13.07	5.01	0.06	0.005	13.06	5.00	0.08	0.005	13.08	5.00
Alternative Q	75	1.19	0.060	14.19	5.06	0.16	0.010	13.16	5.01	0.24	0.020	13.24	5.02	0.24	0.018	13.24	5.02	0.12	0.014	13.12	5.01	0.06	0.006	13.06	5.01	0.05	0.005	13.05	5.00	0.06	0.005	13.06	5.00
Alternative R	250	1.81	0.082	14.81	5.08	0.21	0.012	13.21	5.01	0.30	0.027	13.30	5.03	0.29	0.022	13.29	5.02	0.14	0.016	13.14	5.02	0.08	0.007	13.08	5.01	0.06	0.005	13.06	5.01	0.09	0.005	13.09	5.01
Alternative S	150	1.47	0.070	14.47	5.07	0.17	0.011	13.17	5.01	0.27	0.023	13.27	5.02	0.26	0.020	13.26	5.02	0.13	0.015	13.13	5.01	0.07	0.007	13.07	5.01	0.06	0.005	13.06	5.00	0.08	0.005	13.08	5.00
Alternative T	75	1.19	0.060	14.19	5.06	0.16	0.010	13.16	5.01	0.24	0.020	13.24	5.02	0.24	0.018	13.24	5.02	0.12	0.014	13.12	5.01	0.06	0.006	13.06	5.01	0.05	0.005	13.05	5.00	0.06	0.005	13.06	5.00
Alternative U	250	1.81	0.082	14.81	5.08	0.21	0.012	13.21	5.01	0.30	0.027	13.30	5.03	0.29	0.022	13.29	5.02	0.14	0.016	13.14	5.02	0.08	0.007	13.08	5.01	0.06	0.005	13.06	5.01	0.09	0.005	13.09	5.01
Alternative V	150	1.47	0.070	14.47	5.07	0.17	0.011	13.17	5.01	0.27	0.023	13.27	5.02	0.26	0.020	13.26	5.02	0.13	0.015	13.13	5.01	0.07	0.007	13.07	5.01	0.06	0.005	13.06	5.00	0.08	0.005	13.08	5.00
Alternative W	75	1.19	0.060	14.19	5.06	0.16	0.010	13.16	5.01	0.24	0.020	13.24	5.02	0.24	0.018	13.24	5.02	0.12	0.014	13.12	5.01	0.06	0.006	13.06	5.01	0.05	0.005	13.05	5.00	0.06	0.005	13.06	5.00
Alternative X	250	1.81	0.082	14.81	5.08	0.21	0.012	13.21	5.01	0.30	0.027	13.30	5.03	0.29	0.022	13.29	5.02	0.14	0.016	13.14	5.02	0.08	0.007	13.08	5.01	0.06	0.005	13.06	5.01	0.09	0.005	13.09	5.01
Alternative Y	150	1.47	0.070	14.47	5.07	0.17	0.011	13.17	5.01	0.27	0.023	13.27	5.02	0.26	0.020	13.26	5.02	0.13	0.015	13.13	5.01	0.07	0.007	13.07	5.01	0.06	0.005	13.06	5.00	0.08	0.005	13.08	5.00
Alternative Z	75	1.19	0.060	14.19	5.06	0.16	0.010	13.16	5.01	0.24	0.020	13.24	5.02	0.24	0.018	13.24	5.02	0.12	0.014	13.12	5.01	0.06	0.006	13.06	5.01	0.05	0.005	13.05	5.00	0.06	0.005	13.06	5.00
Alternative AA	250	1.81	0.082	14.81	5.08	0.21	0.012	13.21	5.01	0.30	0.027	13.30	5.03	0.29	0.022	13.29	5.02	0.14	0.016	13.14	5.02	0.08	0.007	13.08	5.01	0.06	0.005	13.06	5.01	0.09	0.005	13.09	5.01
Alternative AB	150	1.47	0.070	14.47	5.07	0.17	0.011	13.17	5.01	0.27	0.023	13.27	5.02	0.26	0.020	13.26	5.02	0.13	0.015	13.13	5.01	0.07	0.007	13.07	5.01	0.06	0.005	13.06	5.00	0.08	0.005	13.08	5.00
Alternative AC	75	1.19	0.060	14.19	5.06	0.16	0.010	13.16	5.01	0.24	0.020	13.24	5.02	0.24	0.018	13.24	5.02	0.12	0.014	13.12	5.01	0.06	0.006	13.06	5.01	0.05	0.005	13.05	5.00	0.06	0.005	13.06	5.00

¹ Total Concentration includes direct modeled impact and background concentration.

Table F.10.9 Summary of Maximum Modeled In-field Pollutant Concentrations (µg/m³) from Direct Project Sources Within the JIDPA Compared to Ambient Air Quality Standards.

Alternative	WDR	NO ₂						SO ₂						PM ₁₀						PM _{2.5}						
		Direct Modeled Impact		NAAQS/WAAQS		Total Concentration ¹		Direct Modeled Impact		NAAQS/WAAQS		Total Concentration ¹		Direct Modeled Impact		NAAQS/WAAQS		Total Concentration ¹		Direct Modeled Impact		NAAQS/WAAQS		Total Concentration ¹		
		Annual	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr
Maximum Production Emissions (3,100 wells)	0	2.5	--	100	0.2	0.1	0.0	132	43	9	1,300	365/260	80/60	90.4	12.6	123.4	28.6	150	50	16.3	2.0	29.3	7.0	65	15	
Alternative A (Proposed Action) - Maximum Field Emissions	250	13.7	--	100	18.3	3.7	0.4	150.3	46.7	9.4	1,300	365/260	80/60	113.2	16.0	146.2	32.0	150	50	21.6	3.1	34.6	8.1	65	15	
Alternative A	150	12.0	--	100	13.9	3.4	0.3	145.9	46.4	9.3	1,300	365/260	80/60	103.9	14.7	136.9	30.7	150	50	19.3	2.8	32.3	7.8	65	15	
Alternative B	250	16.2	--	100	22.5	4.6	0.5	154.5	47.6	9.5	1,300	365/260	80/60	113.6	16.1	146.6	32.1	150	50	22.0	3.2	35.0	8.2	65	15	
Alternative C	150	14.3	--	100	17.1	4.2	0.4	149.1	47.2	9.4	1,300	365/260	80/60	104.1	14.8	137.1	30.8	150	50	19.4	2.9	32.4	7.9	65	15	
Alternative D	75	11.8	--	100	17.1	4.2	0.3	149.1	47.2	9.3	1,300	365/260	80/60	97.1	13.8	130.1	29.8	150	50	17.7	2.7	30.7	7.7	65	15	
Alternative E	250	12.6	--	100	18.3	3.7	0.4	150.3	46.7	9.4	1,300	365/260	80/60	59.3	8.6	92.3	24.6	150	50	11.9	1.9	24.9	6.9	65	15	
Alternative F	150	11.0	--	100	13.9	3.4	0.3	145.9	46.4	9.3	1,300	365/260	80/60	49.9	7.3	82.9	23.3	150	50	9.5	1.7	22.5	6.7	65	15	
Alternative G	75	9.1	--	100	13.9	3.4	0.3	145.9	46.4	9.3	1,300	365/260	80/60	43.1	6.3	76.1	22.3	150	50	8.3	1.4	21.3	6.4	65	15	
Alternative H	250	16.5	--	100	20.3	4.1	0.4	152.3	47.1	9.4	1,300	365/260	80/60	105.6	15.1	138.6	31.1	150	50	20.4	3.2	33.4	8.2	65	15	
Alternative I	150	15.7	--	100	15.4	3.8	0.4	147.4	46.8	9.4	1,300	365/260	80/60	104.0	14.9	137.0	30.9	150	50	19.4	3.1	32.4	8.1	65	15	
Alternative J	75	14.2	--	100	15.4	3.8	0.3	147.4	46.8	9.3	1,300	365/260	80/60	97.1	14.0	130.1	30.0	150	50	17.7	2.9	30.7	7.9	65	15	

¹ Total concentration includes direct modeled impact and background concentration.
² No Action Alternative was not modeled, total concentration represents background concentration only.

Table F.10.10 Summary of Maximum Modeled Cumulative In-field Pollutant Concentrations ($\mu\text{g}/\text{m}^3$) from Direct Project and Regional Sources Within the JIDPA Compared to Ambient Air Quality Standards.

Alternative	WDR	Direct Modeled Impact Annual	NO _x			SO ₂			PM ₁₀			PM _{2.5}														
			Total Concentration ¹		Direct Modeled Impact		Total Concentration ¹		Direct Modeled Impact		Total Concentration ¹		Direct Modeled Impact													
			Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr									
Maximum Production Emissions (3,100 wells)	0	1.2	4.6	6.6	100	0.7	0.1	0.0	132.7	43.1	9.0	1,300	365/260	80/60	0.3	0.0	33.3	16.0	150	50	0.3	0.0	13.3	5.0	65	15
Alternative A (Proposed Action) - Maximum Field Emissions	250	14.0	17.4	100	18.2	3.6	0.4	150.2	46.6	9.4	1,300	365/260	80/60	113.4	16.0	146.4	32.0	150	50	21.8	3.1	34.8	8.1	65	15	
Alternative A	150	12.4	15.8	100	13.9	3.2	0.3	145.9	46.2	9.3	1,300	365/260	80/60	104.0	14.7	137.0	30.7	150	50	19.4	2.9	32.4	7.9	65	15	
Alternative B	250	16.5	19.9	100	22.4	4.5	0.4	154.4	47.5	9.4	1,300	365/260	80/60	113.8	16.1	146.8	32.1	150	50	22.2	3.3	35.2	8.3	65	15	
Alternative C	150	14.6	18.0	100	17.1	4.0	0.4	149.1	47.0	9.4	1,300	365/260	80/60	104.2	14.8	137.2	30.8	150	50	19.6	3.0	32.6	8.0	65	15	
Alternative D	250	13.0	16.4	100	18.2	3.6	0.4	150.2	46.6	9.4	1,300	365/260	80/60	59.5	8.6	92.5	24.6	150	50	12.0	2.0	25.0	7.0	65	15	
Alternative E	150	11.3	14.7	100	13.9	3.2	0.3	145.9	46.2	9.3	1,300	365/260	80/60	50.1	7.3	83.1	23.3	150	50	9.7	1.7	22.7	6.7	65	15	
Alternative F	250	16.8	20.2	100	20.2	4.0	0.4	152.2	47.0	9.4	1,300	365/260	80/60	105.7	15.1	138.7	31.1	150	50	20.6	3.2	33.6	8.2	65	15	
Alternative G	150	15.9	19.3	100	15.4	3.6	0.4	147.4	46.6	9.4	1,300	365/260	80/60	104.1	14.9	137.1	30.9	150	50	19.5	3.1	32.5	8.1	65	15	
Alternative H	75	14.6	18.0	100	15.4	3.6	0.3	147.4	46.6	9.3	1,300	365/260	80/60	97.2	14.0	130.2	30.0	150	50	17.9	2.9	30.9	7.9	65	15	

Alternative D was not modeled. Results would be between Alternative A and Alternative C.

Alternative E was not modeled. Results would be between Alternative B and Alternative F.

Alternative G was not modeled. Results would be between Alternative A and Alternative F.

¹ Total concentration includes direct modeled impact and background concentration.

Table F.10.11 Summary of Maximum Modeled Nitrogen (N) Deposition Impacts (kg/ha-yr) at PSD Class I and Sensitive Class II Areas from Direct Project Sources. 1,2

Alternative Maximum Production Emissions (3,100 wells)	WDR	Bridger Wilderness		Fitzpatrick Wilderness Class I		Popo Agie Wilderness Class II		Wind River Roadless Area Class II		Grand Teton National Park Class I		Teton Wilderness Class I		Yellowstone National Park Class I		Washakie Wilderness Area Class I	
		0	0.00669	0.00057	0.00344	0.00212	0.00023	0.00011	0.00008	0.00014							
Alternative A (Proposed Action) - Maximum Field Emissions	250	0.03487	0.00266	0.01654	0.00988	0.00116	0.00056	0.00041	0.00072								
	75	0.01653	0.00120	0.00771	0.00448	0.00052	0.00025	0.00018	0.00032								
Alternative B	250	0.04017	0.00300	0.01886	0.01128	0.00131	0.00063	0.00046	0.00080								
	150	0.02771	0.00208	0.01306	0.00781	0.00090	0.00043	0.00032	0.00055								
Alternative C	75	0.01837	0.00130	0.00844	0.00486	0.00056	0.00027	0.00020	0.00035								
	250	0.03233	0.00248	0.01527	0.00906	0.00110	0.00053	0.00038	0.00068								
Alternative D	150	0.02186	0.00170	0.01039	0.00614	0.00074	0.00036	0.00026	0.00047								
	75	0.01399	0.00103	0.00650	0.00366	0.00046	0.00022	0.00016	0.00029								
Alternative E	250	Alternative D was not modeled. Results would be between Alternative A and Alternative C.															
Alternative F	150	Alternative E was not modeled. Results would be between Alternative B and Alternative F.															
	75	Alternative E was not modeled. Results would be between Alternative B and Alternative F.															
Alternative G	250	0.03644	0.00282	0.01734	0.01037	0.00123	0.00059	0.00043	0.00076								
	150	0.02595	0.00198	0.01227	0.00731	0.00085	0.00041	0.00030	0.00053								
Alternative G	75	0.01839	0.00132	0.00851	0.00495	0.00057	0.00027	0.00020	0.00035								
	250	Alternative G was not modeled. Results would be between Alternative A and Alternative F.															
150	Alternative G was not modeled. Results would be between Alternative A and Alternative F.																
75	Alternative G was not modeled. Results would be between Alternative A and Alternative F.																

¹ No Action Alternative was not modeled.
² No Action Alternative was not modeled for direct Project impacts = 0.005 kg/ha-yr.
 Nitro

Table F.10.12 Summary of Maximum Modeled Cumulative Far-field Nitrogen (N) Deposition Impacts (kg/ha-yr) at PSD Class I and Sensitive PSD Class II Areas from Direct Project and Regional Sources.¹

Alternative	Bridger Wilderness		Fitzpatrick	Popo Agie Wilderness	Wind River Roadless	Grand Teton National	Teton Wilderness	Yellowstone National	Washakie Wilderness
	WDR	Class I	Wilderness Class I	Class II	Area Class II	Park Class I	Class I	Park Class I	Area Class I
No Action	--	0.030	0.005	0.012	0.011	0.009	0.003	0.002	0.003
Maximum Production Emissions (3,100 wells)	0	0.035	0.006	0.016	0.013	0.009	0.003	0.002	0.004
Alternative A (Proposed Action) - Maximum Field Emissions	250	0.057	0.008	0.029	0.021	0.010	0.004	0.003	0.004
Alternative A	150	0.048	0.007	0.024	0.018	0.010	0.003	0.003	0.004
	75	0.041	0.006	0.020	0.015	0.010	0.003	0.002	0.004
Alternative B	250	0.061	0.008	0.031	0.022	0.011	0.004	0.003	0.004
	150	0.051	0.007	0.025	0.019	0.010	0.004	0.003	0.004
	75	0.042	0.007	0.021	0.016	0.010	0.003	0.002	0.004
Alternative C	250	0.055	0.008	0.028	0.020	0.010	0.003	0.003	0.004
	150	0.046	0.007	0.023	0.017	0.010	0.003	0.003	0.004
	75	0.039	0.006	0.019	0.014	0.010	0.003	0.002	0.004
Alternative D	250	Alternative D was not modeled. Results would be between Alternative A and Alternative C.							
	150								
	75								
Alternative E	250	Alternative E was not modeled. Results would be between Alternative B and Alternative F.							
	150								
	75								
Alternative F	250	0.059	0.008	0.030	0.021	0.010	0.004	0.003	0.004
	150	0.049	0.007	0.025	0.018	0.010	0.003	0.003	0.004
	75	0.042	0.007	0.021	0.016	0.010	0.003	0.002	0.004
Alternative G	250	Alternative G was not modeled. Results would be between Alternative A and Alternative F.							
	150								
	75								

¹ gen deposition analysis threshold for cumulative impacts - 3.00 kg/ha-yr. Nitro

Table F.10.13 Summary of Maximum Modeled Sulfur (S) Deposition Impacts (kg/ha-yr) at PSD Class I and Sensitive PSD Class II Areas from Direct Project Sources.^{1,2}

Alternative	WDR	Bridger Wilderness Class I	Fitzpatrick Wilderness Class I	Popo Arie Wilderness Class II	Wind River Roadless Area Class II	Grand Teton National Park Class I	Teton Wilderness Class I	Yellowstone National Park Class I	Washakie Wilderness Area Class I
No Action	--	--	--	--	--	--	--	--	--
Maximum Production Emissions (3,100 wells)	0	0.0000316	0.0000036	0.0000184	0.0000114	0.0000015	0.0000008	0.0000006	0.0000010
Alternative A (Proposed Action) - Maximum Field Emissions	250	0.0014419	0.0001484	0.0007323	0.0004267	0.0000656	0.0000367	0.0000241	0.0000425
Alternative A	150	0.0009009	0.0000920	0.0004551	0.0002642	0.0000398	0.0000223	0.0000147	0.0000258
	75	0.0005122	0.0000452	0.0002438	0.0001285	0.0000203	0.0000112	0.0000074	0.0000128
Alternative B	250	0.0017643	0.0001814	0.0008954	0.0005214	0.0000802	0.0000449	0.0000295	0.0000520
	150	0.0011000	0.0001122	0.0005549	0.0003218	0.0000486	0.0000272	0.0000180	0.0000315
	75	0.0006225	0.0000547	0.0002954	0.0001552	0.0000246	0.0000135	0.0000090	0.0000155
Alternative C	250	0.0014232	0.0001462	0.0007216	0.0004199	0.0000647	0.0000362	0.0000238	0.0000419
	150	0.0008828	0.0000899	0.0004444	0.0002574	0.0000389	0.0000218	0.0000144	0.0000252
	75	0.0004942	0.0000431	0.0002331	0.0001217	0.0000194	0.0000107	0.0000071	0.0000122
Alternative D	250								
	150								
	75								
Alternative E	250								
	150								
	75								
Alternative F	250	0.0015994	0.0001645	0.0008114	0.0004722	0.0000728	0.0000407	0.0000267	0.0000471
	150	0.0010003	0.0001020	0.0005045	0.0002925	0.0000442	0.0000247	0.0000163	0.0000286
	75	0.0005668	0.0000500	0.0002693	0.0001416	0.0000225	0.0000124	0.0000082	0.0000142
Alternative G	250								
	150								
	75								

¹ No Action Alternative was not modeled for direct Project impacts = 0.005 kg/ha-yr.
² Sulfur de position analysis threshold

Table F.10.14 Summary of Modeled Cumulative Sulfur (S) Deposition Impacts (kg/ha-yr) at PSD Class I and Sensitive PSD Class II Areas from Direct Project and Regional Sources.¹

Alternative	WDR	Bridger Wilderness Class I	Fitzpatrick Wilderness Class I	Popo Aige Wilderness Class II	Wind River Roadless Area Class II	Grand Teton National Park Class I	Teton Wilderness Class I	Yellowstone National Park Class I	Washakie Wilderness Area Class I
No Action	-	-0.001	-0.001	-0.003	-0.001	0.003	0.001	0.001	0.000
Maximum Production Emissions (3,100 wells)	0	-0.001	-0.001	-0.003	-0.001	0.003	0.001	0.001	0.000
Alternative A (Proposed Action) - Maximum Field Emissions	250	-0.001	-0.001	-0.002	-0.001	0.003	0.001	0.001	0.000
	150	-0.001	-0.001	-0.002	-0.001	0.003	0.001	0.001	0.000
	75	-0.001	-0.001	-0.002	-0.001	0.003	0.001	0.001	0.000
Alternative B	250	-0.001	-0.001	-0.002	-0.001	0.003	0.001	0.001	0.000
	150	-0.001	-0.001	-0.002	-0.001	0.003	0.001	0.001	0.000
	75	-0.001	-0.001	-0.002	-0.001	0.003	0.001	0.001	0.000
Alternative C	250	-0.001	-0.001	-0.002	-0.001	0.003	0.001	0.001	0.000
	150	-0.001	-0.001	-0.002	-0.001	0.003	0.001	0.001	0.000
	75	-0.001	-0.001	-0.002	-0.001	0.003	0.001	0.001	0.000
Alternative D	250	-0.001	-0.001	-0.002	-0.001	0.003	0.001	0.001	0.000
	150	-0.001	-0.001	-0.002	-0.001	0.003	0.001	0.001	0.000
	75	-0.001	-0.001	-0.002	-0.001	0.003	0.001	0.001	0.000
Alternative D was not modeled. Results would be between Alternative A and Alternative C.									
Alternative E	250	-0.001	-0.001	-0.002	-0.001	0.003	0.001	0.001	0.000
	150	-0.001	-0.001	-0.002	-0.001	0.003	0.001	0.001	0.000
	75	-0.001	-0.001	-0.002	-0.001	0.003	0.001	0.001	0.000
Alternative E was not modeled. Results would be between Alternative B and Alternative F.									
Alternative F	250	-0.001	-0.001	-0.002	-0.001	0.003	0.001	0.001	0.000
	150	-0.001	-0.001	-0.002	-0.001	0.003	0.001	0.001	0.000
	75	-0.001	-0.001	-0.002	-0.001	0.003	0.001	0.001	0.000
Alternative G	250	-0.001	-0.001	-0.002	-0.001	0.003	0.001	0.001	0.000
	150	-0.001	-0.001	-0.002	-0.001	0.003	0.001	0.001	0.000
	75	-0.001	-0.001	-0.002	-0.001	0.003	0.001	0.001	0.000
Alternative G was not modeled. Results would be between Alternative A and Alternative F.									

¹ Sulfur deposition analysis threshold for cumulative impacts = 5.0 kg/ha-yr.

Table F.10.15 Summary of Maximum Modeled Change in ANC ($\mu\text{eq/L}$) at Acid Sensitive Lakes from Direct Project Sources.

Alternative	WDR	Black Joe Lake			Deep Lake			Hobbs Lake			Lazy Boy Lake			Upper Frozen Lake			Lower Saddlebag			Ross Lake		
		Bridger Wilderness Class I			Bridger Wilderness Class I			Bridger Wilderness Class I			Bridger Wilderness Class I			Bridger Wilderness Class I			Bridger Wilderness Class I			Bridger Wilderness Class I		
		ANC Change ($\mu\text{eq/L}$)	Percent Change (%)	ANC Change (%)	ANC Change ($\mu\text{eq/L}$)	Percent Change (%)	ANC Change (%)	ANC Change ($\mu\text{eq/L}$)	Percent Change (%)	ANC Change (%)	ANC Change ($\mu\text{eq/L}$)	Percent Change (%)	ANC Change (%)	ANC Change ($\mu\text{eq/L}$)	Percent Change (%)	ANC Change (%)	ANC Change ($\mu\text{eq/L}$)	Percent Change (%)	ANC Change (%)	ANC Change ($\mu\text{eq/L}$)	Percent Change (%)	ANC Change (%)
Level of Acceptable Change ($\mu\text{eq/L}$)	--	6.70	--	5.99	--	6.99	--	1.00	--	1.00	--	1.00	--	5.55	--	5.35	--	5.35	--	5.35	--	5.35
Background ¹	--	67.0	--	59.9	--	69.9	--	18.8	--	18.8	--	5.0	--	55.5	--	53.5	--	53.5	--	53.5	--	53.5
Maximum Production Emissions (3,100 wells)	0	0.02	0.033%	0.02	0.041%	0.00	0.006%	0.00	0.008%	0.00	0.008%	0.03	0.567%	0.03	0.046%	0.00	0.003%	0.00	0.003%	0.00	0.003%	0.00
Alternative A (Proposed Action) - Maximum Field Emissions	250	0.10	0.155%	0.11	0.190%	0.02	0.030%	0.01	0.038%	0.01	0.038%	0.14	2.808%	0.13	0.231%	0.01	0.013%	0.01	0.013%	0.01	0.013%	0.01
Alternative A	150	0.07	0.109%	0.08	0.133%	0.01	0.021%	0.01	0.027%	0.01	0.027%	0.10	1.969%	0.09	0.161%	0.01	0.009%	0.01	0.009%	0.01	0.009%	0.01
	75	0.05	0.072%	0.05	0.087%	0.01	0.013%	0.00	0.017%	0.00	0.017%	0.06	1.269%	0.06	0.107%	0.00	0.006%	0.00	0.006%	0.00	0.006%	0.00
Alternative B	250	0.12	0.177%	0.13	0.217%	0.02	0.035%	0.01	0.043%	0.01	0.043%	0.16	3.221%	0.15	0.263%	0.01	0.015%	0.01	0.015%	0.01	0.015%	0.01
	150	0.08	0.122%	0.09	0.150%	0.02	0.023%	0.01	0.030%	0.01	0.030%	0.11	2.219%	0.10	0.181%	0.01	0.010%	0.01	0.010%	0.01	0.010%	0.01
	75	0.05	0.079%	0.06	0.095%	0.01	0.014%	0.00	0.019%	0.00	0.019%	0.07	1.386%	0.06	0.117%	0.00	0.007%	0.00	0.007%	0.00	0.007%	0.00
Alternative C	250	0.10	0.142%	0.10	0.173%	0.02	0.029%	0.01	0.037%	0.01	0.037%	0.13	2.581%	0.12	0.216%	0.01	0.013%	0.01	0.013%	0.01	0.013%	0.01
	150	0.06	0.096%	0.07	0.117%	0.01	0.019%	0.01	0.025%	0.00	0.025%	0.09	1.741%	0.08	0.146%	0.00	0.009%	0.00	0.009%	0.00	0.009%	0.00
	75	0.04	0.059%	0.04	0.071%	0.01	0.012%	0.00	0.016%	0.00	0.016%	0.05	1.041%	0.05	0.091%	0.00	0.005%	0.00	0.005%	0.00	0.005%	0.00
Alternative D	250	Alternative D was not modeled. Results would be between Alternative A and Alternative C.																				
	150																					
	75																					
Alternative E	250	Alternative E was not modeled. Results would be between Alternative B and Alternative F.																				
	150																					
	75																					
Alternative F	250	0.109	0.163%	0.120	0.200%	0.023	0.033%	0.008	0.041%	0.008	0.041%	0.148	2.959%	0.135	0.243%	0.008	0.014%	0.008	0.014%	0.008	0.014%	0.008
	150	0.076	0.113%	0.082	0.138%	0.015	0.022%	0.005	0.028%	0.005	0.028%	0.102	2.047%	0.093	0.168%	0.005	0.010%	0.005	0.010%	0.005	0.010%	0.005
	75	0.053	0.079%	0.057	0.095%	0.010	0.015%	0.004	0.019%	0.004	0.019%	0.070	1.407%	0.065	0.117%	0.004	0.007%	0.004	0.007%	0.004	0.007%	0.004
Alternative G	250	Alternative G was not modeled. Results would be between Alternative A and Alternative F.																				
	150																					
	75																					

1 No Action Alternative was not modeled; ANC represents background only.

Table F.10.16 Summary of Maximum Modeled Cumulative Change in ANC (µeq/L) at Acid Sensitive Lakes from Direct Project and Regional Sources.

Alternative	WDR	Background ANC	Black Joe Lake		Deep Lake		Hobbs Lake		Lazy Boy Lake		Upper Frozen Lake		Lower Saddlebag		Ross Lake	
			ANC Change (µeq/L)	Percent ANC Change (%)	ANC Change (µeq/L)	Percent ANC Change (%)	ANC Change (µeq/L)	Percent ANC Change (%)	ANC Change (µeq/L)	Percent ANC Change (%)	ANC Change (µeq/L)	Percent ANC Change (%)	ANC Change (µeq/L)	Percent ANC Change (%)	ANC Change (µeq/L)	Percent ANC Change (%)
Level of Acceptable Change (µeq/L)	--	67.0	59.9	--	18.8	5.0	--	55.5	53.5	--	5.5	--	5.5	--	53.5	--
No Action	--	6.70	5.99	--	1.00	1.00	--	5.55	5.35	--	5.55	--	5.55	--	5.35	--
Maximum Production Emissions (3,100 wells)	0	0.107	0.111	0.18%	0.046	0.07%	0.026	0.14%	0.120	2.39%	0.122	0.22%	0.027	0.05%	0.027	0.05%
Alternative A (Proposed Action) - Maximum Field Emissions	250	0.185	0.196	0.33%	0.062	0.09%	0.032	0.17%	0.227	4.53%	0.220	0.40%	0.032	0.06%	0.032	0.06%
Alternative B	150	0.156	0.164	0.27%	0.056	0.08%	0.030	0.16%	0.187	3.73%	0.183	0.33%	0.030	0.06%	0.030	0.06%
Alternative C	75	0.132	0.137	0.23%	0.051	0.07%	0.028	0.15%	0.153	3.06%	0.154	0.28%	0.029	0.05%	0.029	0.05%
Alternative D	250	0.199	0.211	0.35%	0.065	0.09%	0.032	0.17%	0.246	4.92%	0.237	0.45%	0.033	0.06%	0.033	0.06%
Alternative E	150	0.164	0.173	0.29%	0.057	0.08%	0.030	0.16%	0.198	3.97%	0.193	0.35%	0.031	0.06%	0.031	0.06%
Alternative F	75	0.137	0.142	0.24%	0.051	0.07%	0.028	0.15%	0.159	3.17%	0.160	0.29%	0.029	0.05%	0.029	0.05%
Alternative G	250	0.177	0.186	0.31%	0.061	0.09%	0.031	0.17%	0.215	4.31%	0.212	0.38%	0.032	0.06%	0.032	0.06%
	150	0.147	0.154	0.26%	0.054	0.08%	0.029	0.16%	0.175	3.50%	0.175	0.31%	0.030	0.06%	0.030	0.06%
	75	0.124	0.128	0.21%	0.049	0.07%	0.028	0.15%	0.142	2.84%	0.146	0.26%	0.028	0.05%	0.028	0.05%
Alternative D was not modeled. Results would be between Alternative A and Alternative C.																
Alternative E was not modeled. Results would be between Alternative B and Alternative F.																
Alternative F	250	0.190	0.202	0.34%	0.063	0.09%	0.032	0.17%	0.234	4.67%	0.226	0.41%	0.033	0.06%	0.033	0.06%
	150	0.159	0.168	0.28%	0.057	0.08%	0.030	0.16%	0.192	3.84%	0.188	0.34%	0.031	0.06%	0.031	0.06%
	75	0.137	0.142	0.24%	0.052	0.07%	0.028	0.15%	0.160	3.20%	0.160	0.29%	0.029	0.05%	0.029	0.05%
Alternative G was not modeled. Results would be between Alternative A and Alternative F.																

Table F.10.17 Summary of Maximum Modeled Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Direct Project Sources Using FLAG Background Data.

Alternative	WDR	Bridger Wilderness Class I			Fitzpatrick Wilderness Class I			Popo Agie Wilderness Class II			Wind River Roadless Area Class II			Grand Teton National Park Class I			Teton Wilderness Class I			Yellowstone National Park Class I			Washakie Wilderness Area Class I		
		Maximum Visibility Impact (Adv) ² (days)	Number of Days > 0.5 Adv ² (days)	Number of Days > 1.0 Adv ² (days)	Maximum Visibility Impact (Adv) ² (days)	Number of Days > 0.5 Adv ² (days)	Number of Days > 1.0 Adv ² (days)	Maximum Visibility Impact (Adv) ² (days)	Number of Days > 0.5 Adv ² (days)	Number of Days > 1.0 Adv ² (days)	Maximum Visibility Impact (Adv) ² (days)	Number of Days > 0.5 Adv ² (days)	Number of Days > 1.0 Adv ² (days)	Maximum Visibility Impact (Adv) ² (days)	Number of Days > 0.5 Adv ² (days)	Number of Days > 1.0 Adv ² (days)	Maximum Visibility Impact (Adv) ² (days)	Number of Days > 0.5 Adv ² (days)	Number of Days > 1.0 Adv ² (days)	Maximum Visibility Impact (Adv) ² (days)	Number of Days > 0.5 Adv ² (days)	Number of Days > 1.0 Adv ² (days)			
No Action ¹																									
Maximum Production Emissions (3,100 wells)	0	1.02	3	1	0.13	0	0	0.21	0	0	0.18	0	0	0.08	0	0	0.03	0	0	0.04	0	0	0.06	0	0
Alternative A (Proposed Action) - Maximum Field Emissions	250	3.16	22	9	0.56	2	0	0.54	2	0	0.45	0	0	0.32	0	0	0.14	0	0	0.16	0	0	0.24	0	0
Alternative A	150	2.36	16	5	0.39	0	0	0.39	0	0	0.32	0	0	0.23	0	0	0.10	0	0	0.11	0	0	0.17	0	0
	75	1.69	10	2	0.26	0	0	0.30	0	0	0.23	0	0	0.15	0	0	0.06	0	0	0.07	0	0	0.11	0	0
Alternative B	250	3.32	30	11	0.65	3	0	0.62	2	0	0.52	1	0	0.36	0	0	0.16	0	0	0.18	0	0	0.27	0	0
	150	2.47	19	6	0.44	0	0	0.43	0	0	0.36	0	0	0.26	0	0	0.11	0	0	0.12	0	0	0.19	0	0
	75	1.71	11	2	0.28	0	0	0.29	0	0	0.24	0	0	0.17	0	0	0.07	0	0	0.08	0	0	0.12	0	0
Alternative C	250	2.75	19	8	0.49	0	0	0.47	0	0	0.39	0	0	0.29	0	0	0.13	0	0	0.14	0	0	0.22	0	0
	150	1.92	10	4	0.34	0	0	0.32	0	0	0.25	0	0	0.20	0	0	0.09	0	0	0.10	0	0	0.15	0	0
	75	1.22	6	2	0.21	0	0	0.20	0	0	0.15	0	0	0.12	0	0	0.05	0	0	0.06	0	0	0.09	0	0
Alternative D	250																								
	150																								
	75																								
Alternative E	250																								
	150																								
	75																								
Alternative F	250	3.25	24	10	0.60	3	0	0.58	2	0	0.48	0	0	0.34	0	0	0.15	0	0	0.17	0	0	0.25	0	0
	150	2.44	17	5	0.42	0	0	0.41	0	0	0.35	0	0	0.24	0	0	0.10	0	0	0.12	0	0	0.18	0	0
	75	1.80	11	2	0.29	0	0	0.31	0	0	0.25	0	0	0.17	0	0	0.07	0	0	0.08	0	0	0.12	0	0
Alternative G	250																								
	150																								
	75																								

Alternative D was not modeled. Results would be between Alternative A and Alternative C.

Alternative E was not modeled. Results would be between Alternative B and Alternative F.

Alternative G was not modeled. Results would be between Alternative A and Alternative F.

¹ No Action Alternative was not modeled.
² Adv = change in detriew.

Table F.10.18 Summary of Maximum Modeled Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Direct Project Sources Using IMPROVE Background Data.

Alternative	WDR	Bidger Wilderness Class I			Fitzpatrick Wilderness Class I			Papo Agie Wilderness Class II			Wind River Roadless Area Class II			Grand Teton National Park Class I			Teton Wilderness Class I			Yellowstone National Park Class I			Washakie Wilderness Area Class I														
		Maximum Visibility Impact (Adv ² (days))	Number of Days > 0.5 Adv ² (days)	Number of Days > 1.0 Adv ² (days)	Maximum Visibility Impact (Adv ² (days))	Number of Days > 0.5 Adv ² (days)	Number of Days > 1.0 Adv ² (days)	Maximum Visibility Impact (Adv ² (days))	Number of Days > 0.5 Adv ² (days)	Number of Days > 1.0 Adv ² (days)	Maximum Visibility Impact (Adv ² (days))	Number of Days > 0.5 Adv ² (days)	Number of Days > 1.0 Adv ² (days)	Maximum Visibility Impact (Adv ² (days))	Number of Days > 0.5 Adv ² (days)	Number of Days > 1.0 Adv ² (days)	Maximum Visibility Impact (Adv ² (days))	Number of Days > 0.5 Adv ² (days)	Number of Days > 1.0 Adv ² (days)	Maximum Visibility Impact (Adv ² (days))	Number of Days > 0.5 Adv ² (days)	Number of Days > 1.0 Adv ² (days)	Maximum Visibility Impact (Adv ² (days))	Number of Days > 0.5 Adv ² (days)	Number of Days > 1.0 Adv ² (days)												
NO Action ¹																																					
Maximum Production Emissions (3,100 wells)	0	1.14	3	1	0.15	0	0	0	0.24	0	0	0	0.20	0	0	0.08	0	0	0	0.03	0	0	0	0.04	0	0	0.06	0	0	0	0						
Alternative A (Proposed Action) - Maximum Field Emissions	250	3.48	28	10	0.64	3	0	0.62	2	0	0.33	0	0.52	1	0	0.33	0	0	0.14	0	0	0	0.16	0	0	0.24	0	0	0	0	0						
Alternative A	150	2.61	18	7	0.45	0	0	0.44	0	0	0.23	0	0.37	0	0	0.23	0	0	0.10	0	0	0	0.11	0	0	0.17	0	0	0	0	0	0					
	75	1.87	10	3	0.30	0	0	0.34	0	0	0.16	0	0.26	0	0	0.16	0	0	0.07	0	0	0	0.08	0	0	0.11	0	0	0	0	0	0					
Alternative B	250	3.74	33	11	0.75	3	0	0.71	3	0	0.37	0	0.60	1	0	0.37	0	0	0.16	0	0	0	0.18	0	0	0.27	0	0	0	0	0	0					
	150	2.75	19	8	0.51	1	0	0.50	1	0	0.26	0	0.42	0	0	0.26	0	0	0.11	0	0	0	0.13	0	0	0.19	0	0	0	0	0	0	0				
	75	1.90	12	4	0.32	0	0	0.34	0	0	0.17	0	0.28	0	0	0.17	0	0	0.07	0	0	0	0.08	0	0	0.12	0	0	0	0	0	0	0				
Alternative C	250	3.04	22	8	0.57	3	0	0.54	2	0	0.29	0	0.45	0	0	0.29	0	0	0.13	0	0	0	0.15	0	0	0.22	0	0	0	0	0	0	0				
	150	2.13	11	4	0.39	0	0	0.37	0	0	0.20	0	0.29	0	0	0.20	0	0	0.09	0	0	0	0.10	0	0	0.15	0	0	0	0	0	0	0				
	75	1.36	7	2	0.24	0	0	0.23	0	0	0.12	0	0.18	0	0	0.12	0	0	0.05	0	0	0	0.06	0	0	0.09	0	0	0	0	0	0	0				
Alternative D	250																																				
	150																																				
	75																																				
Alternative E	250																																				
	150																																				
	75																																				
Alternative F	250	3.57	31	10	0.69	3	0	0.66	2	0	0.34	0	0.56	1	0	0.34	0	0	0.15	0	0	0	0.17	0	0	0.25	0	0	0	0	0	0	0	0	0	0	
	150	2.70	18	8	0.49	0	0	0.47	0	0	0.25	0	0.40	0	0	0.25	0	0	0.11	0	0	0	0.12	0	0	0.18	0	0	0	0	0	0	0	0	0	0	
	75	2.00	12	4	0.34	0	0	0.34	0	0	0.17	0	0.28	0	0	0.17	0	0	0.07	0	0	0	0.08	0	0	0.12	0	0	0	0	0	0	0	0	0	0	0
Alternative G	250																																				
	150																																				
	75																																				

¹ No Action Alternative was not modeled.

² Adv² = change in visibility.

Table F.10.19 Summary of Maximum Modeled Cumulative Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas, from Direct Project and Regional Sources Using FLAG Background Data.

Alternative	WDR	Bridger Wilderness Class I			Elizabethtown Wilderness Class I			Popo-Ayie Wilderness Class II			Wind River Roadless Area Class II			Grand Teton National Park Class I			Teton Wilderness Class I			Yellowstone National Park Class I			Watahkie Wilderness Area Class I		
		Maximum Visibility Impact (Adv) ¹ (days)	Number of Days > 0.5 Adv ¹ (days)	Number of Days > 1.0 Adv ¹ (days)	Maximum Visibility Impact (Adv) ¹ (days)	Number of Days > 0.5 Adv ¹ (days)	Number of Days > 1.0 Adv ¹ (days)	Maximum Visibility Impact (Adv) ¹ (days)	Number of Days > 0.5 Adv ¹ (days)	Number of Days > 1.0 Adv ¹ (days)	Maximum Visibility Impact (Adv) ¹ (days)	Number of Days > 0.5 Adv ¹ (days)	Number of Days > 1.0 Adv ¹ (days)	Maximum Visibility Impact (Adv) ¹ (days)	Number of Days > 0.5 Adv ¹ (days)	Number of Days > 1.0 Adv ¹ (days)	Maximum Visibility Impact (Adv) ¹ (days)	Number of Days > 0.5 Adv ¹ (days)	Number of Days > 1.0 Adv ¹ (days)	Maximum Visibility Impact (Adv) ¹ (days)	Number of Days > 0.5 Adv ¹ (days)	Number of Days > 1.0 Adv ¹ (days)	Maximum Visibility Impact (Adv) ¹ (days)	Number of Days > 0.5 Adv ¹ (days)	Number of Days > 1.0 Adv ¹ (days)
No Action	--	1.69	8	3	0.42	0	0	0.50	0	0	0.73	3	0	0.33	0	0	0.14	0	0	0.15	0	0	0.17	0	0
Maximum Production Emissions (3,100 wells)	0	1.98	12	4	0.48	0	0	0.57	1	0	0.82	3	0	0.34	0	0	0.16	0	0	0.17	0	0	0.20	0	0
Alternative A (Proposed Action) - Maximum Field Emissions	250	3.65	40	11	0.76	5	0	0.85	8	0	1.08	6	1	0.50	0	0	0.23	0	0	0.25	0	0	0.34	0	0
Alternative A	150	2.89	31	9	0.62	3	0	0.74	6	0	0.98	5	0	0.41	0	0	0.20	0	0	0.21	0	0	0.28	0	0
Alternative A	75	2.33	20	4	0.52	1	0	0.66	3	0	0.90	4	0	0.36	0	0	0.18	0	0	0.18	0	0	0.24	0	0
Alternative B	250	3.81	45	15	0.82	7	0	0.90	11	0	1.12	10	2	0.54	1	0	0.24	0	0	0.27	0	0	0.37	0	0
Alternative B	150	2.99	34	11	0.65	3	0	0.77	7	0	1.00	5	1	0.43	0	0	0.21	0	0	0.22	0	0	0.30	0	0
Alternative B	75	2.38	21	5	0.53	2	0	0.68	4	0	0.90	4	0	0.36	0	0	0.18	0	0	0.18	0	0	0.25	0	0
Alternative C	250	3.27	33	11	0.71	4	0	0.83	7	0	1.06	6	1	0.47	0	0	0.22	0	0	0.24	0	0	0.32	0	0
Alternative C	150	2.56	23	8	0.57	2	0	0.72	4	0	0.95	4	0	0.38	0	0	0.20	0	0	0.19	0	0	0.27	0	0
Alternative C	75	2.22	15	4	0.51	1	0	0.64	1	0	0.87	3	0	0.36	0	0	0.17	0	0	0.17	0	0	0.23	0	0
Alternative D	250																								
Alternative D	150																								
Alternative D	75																								
Alternative E	250																								
Alternative E	150																								
Alternative E	75																								
Alternative F	250	3.73	41	14	0.78	6	0	0.87	8	0	1.11	8	1	0.51	1	0	0.24	0	0	0.26	0	0	0.35	0	0
Alternative F	150	2.97	32	10	0.63	3	0	0.76	7	0	0.99	5	0	0.42	0	0	0.21	0	0	0.21	0	0	0.29	0	0
Alternative F	75	2.39	22	6	0.53	2	0	0.68	4	0	0.91	4	0	0.36	0	0	0.18	0	0	0.18	0	0	0.25	0	0
Alternative G	250																								
Alternative G	150																								
Alternative G	75																								

¹ Adv = change in deciview.

Table F.10.20 Summary of Maximum Modeled Cumulative Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Direct Project and Regional Sources Using IMPROVE Background Data.

Alternative	WDR	Bridger Wilderness Class I			Firepatrick Wilderness Class I			Papo Agate Wilderness Class II			Wind River Roadless Area Class II			Grand Teton National Park Class I			Teton Wilderness Class I			Yellowstone National Park Class I			Washakie Wilderness Area Class I							
		Maximum Visibility Impact (Adv) ¹	Number of Days > 0.5 Adv ¹ (days)	Number of Days > 1.0 Adv ¹ (days)	Maximum Visibility Impact (Adv) ¹	Number of Days > 0.5 Adv ¹ (days)	Number of Days > 1.0 Adv ¹ (days)	Maximum Visibility Impact (Adv) ¹	Number of Days > 0.5 Adv ¹ (days)	Number of Days > 1.0 Adv ¹ (days)	Maximum Visibility Impact (Adv) ¹	Number of Days > 0.5 Adv ¹ (days)	Number of Days > 1.0 Adv ¹ (days)	Maximum Visibility Impact (Adv) ¹	Number of Days > 0.5 Adv ¹ (days)	Number of Days > 1.0 Adv ¹ (days)	Maximum Visibility Impact (Adv) ¹	Number of Days > 0.5 Adv ¹ (days)	Number of Days > 1.0 Adv ¹ (days)	Maximum Visibility Impact (Adv) ¹	Number of Days > 0.5 Adv ¹ (days)	Number of Days > 1.0 Adv ¹ (days)								
No Action	--	1.94	11	3	0.49	0	0	0	0.58	1	0	0	0.81	3	0	0	0.33	0	0	0.14	0	0	0	0.16	0	0	0	0.17	0	0
Maximum Production Emissions (3,100 wells)	0	2.26	15	4	0.56	1	0	0	0.66	3	0	0	0.92	4	0	0	0.35	0	0	0.16	0	0	0	0.17	0	0	0	0.20	0	0
Alternative A (Proposed Action) - Maximum Field Emissions	250	4.01	46	17	0.87	7	0	0	0.99	16	0	0	1.21	12	2	0.50	1	0	0.24	0	0	0	0.25	0	0	0	0.34	0	0	
Alternative A	150	3.19	37	9	0.71	5	0	0	0.86	9	0	0	1.09	8	2	0.41	0	0	0.21	0	0	0	0.21	0	0	0	0.29	0	0	
	75	2.65	24	7	0.61	2	0	0	0.77	6	0	0	1.00	6	0	0.36	0	0	0.18	0	0	0	0.18	0	0	0	0.24	0	0	
Alternative B	250	4.18	54	19	0.95	7	0	0	1.04	19	2	0	1.25	14	2	0.54	1	0	0.25	0	0	0	0.27	0	0	0	0.37	0	0	
	150	3.30	40	9	0.76	5	0	0	0.90	10	0	0	1.11	8	2	0.44	0	0	0.21	0	0	0	0.22	0	0	0	0.30	0	0	
	75	2.71	28	7	0.61	2	0	0	0.78	6	0	0	1.01	6	1	0.36	0	0	0.18	0	0	0	0.18	0	0	0	0.25	0	0	
Alternative C	250	3.60	41	13	0.82	6	0	0	0.96	13	0	0	1.18	11	2	0.47	0	0	0.23	0	0	0	0.24	0	0	0	0.32	0	0	
	150	2.92	29	7	0.66	3	0	0	0.83	7	0	0	1.06	6	1	0.38	0	0	0.20	0	0	0	0.20	0	0	0	0.27	0	0	
	75	2.53	20	4	0.59	2	0	0	0.74	4	0	0	0.97	4	0	0.36	0	0	0.17	0	0	0	0.17	0	0	0	0.23	0	0	
Alternative D	250																													
	150																													
	75																													
Alternative E	250																													
	150																													
	75																													
Alternative F	250	4.10	50	17	0.90	7	0	0	1.00	17	1	0	1.23	13	2	0.52	1	0	0.24	0	0	0	0.26	0	0	0	0.36	0	0	
	150	3.27	38	9	0.73	5	0	0	0.88	9	0	0	1.11	8	2	0.43	0	0	0.21	0	0	0	0.21	0	0	0	0.29	0	0	
	75	2.72	28	7	0.62	2	0	0	0.78	6	0	0	1.01	6	1	0.37	0	0	0.19	0	0	0	0.18	0	0	0	0.25	0	0	
Alternative G	250																													
	150																													
	75																													

¹ Adv = change in deciview.

Table F.10.21 Summary of Maximum Modeled Visibility Impacts at Wyoming Regional Community Locations from Direct Project Sources Using FLAG Background Data.

Alternative	WDR	Big Piney			Big Sandy			Boulder			Bronx			Cora			Daniel			Fason			Labarge			Merma			Pinedale		
		Maximum Visibility Impact (Adv) ¹	Number of Days > 1.0 Adv ¹ (days)	Maximum Visibility Impact (Adv)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Adv)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Adv)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Adv)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Adv)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Adv)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Adv)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Adv)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Adv)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Adv)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Adv)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Adv)	Number of Days > 1.0 Adv (days)				
No Action ²																															
Maximum Production Emissions (3,100 wells)	0	0.57	0	0.76	0	0.49	0	0.31	0	0.60	0	0.49	0	0.47	0	0.26	0	0.19	0	0.93	0	0.93	0	0.93	0	0.93	0	0			
Alternative A (Proposed Action) - Maximum Field Emissions	250	1.75	2	2.77	19	2.09	9	1.48	1	2.81	1	2.24	1	2.04	5	1.15	2	0.68	0	3.78	2	3.78	2	3.78	2	3.78	2	2			
Alternative A	150	1.28	1	2.04	12	1.51	3	1.07	1	2.06	1	1.63	1	1.44	3	0.81	0	0.50	0	2.84	1	2.84	1	2.84	1	2.84	1	1			
75	75	0.89	0	1.47	2	1.00	1	0.71	0	1.37	1	1.08	1	0.98	0	0.52	0	0.33	0	1.92	1	1.92	1	1.92	1	1.92	1	1			
Alternative B	250	1.87	5	3.13	24	2.35	11	1.66	1	3.19	1	2.55	1	2.29	6	1.29	2	0.78	0	4.32	3	4.32	3	4.32	3	4.32	3	3			
150	150	1.35	2	2.29	15	1.67	5	1.17	1	2.29	1	1.81	1	1.59	4	0.90	0	0.56	0	3.18	2	3.18	2	3.18	2	3.18	2	2			
75	75	0.90	0	1.61	3	1.08	2	0.73	0	1.44	1	1.15	1	1.05	1	0.57	0	0.36	0	2.09	1	2.09	1	2.09	1	2.09	1	1			
Alternative C	250	1.48	2	2.50	14	1.92	6	1.32	1	2.54	1	2.00	1	1.88	5	1.10	2	0.61	0	3.39	2	3.39	2	3.39	2	3.39	2	2			
150	150	1.00	1	1.76	6	1.33	3	0.90	0	1.77	1	1.38	1	1.27	3	0.75	0	0.42	0	2.41	1	2.41	1	2.41	1	2.41	1	1			
75	75	0.60	0	1.17	1	0.81	0	0.54	0	1.05	1	0.82	0	0.80	0	0.47	0	0.26	0	1.45	1	1.45	1	1.45	1	1.45	1	1			
Alternative D	250																														
150	150																														
75	75																														
Alternative E	250																														
150	150																														
75	75																														
Alternative F	250	1.84	4	2.90	19	2.20	10	1.55	1	2.96	1	2.36	1	2.12	5	1.21	2	0.72	0	3.98	3	3.98	3	3.98	3	3.98	3	3			
150	150	1.36	2	2.16	12	1.59	5	1.13	1	2.19	1	1.73	1	1.51	3	0.85	0	0.53	0	3.03	1	3.03	1	3.03	1	3.03	1	1			
75	75	0.96	0	1.61	4	1.10	2	0.78	0	1.51	1	1.20	1	1.07	1	0.58	0	0.37	0	2.15	1	2.15	1	2.15	1	2.15	1	1			
Alternative G	250																														
150	150																														
75	75																														

¹ Adv = change in deciview.

² No Action Alternative was not modeled.

Table F.10.22 Summary of Maximum Modeled Visibility Impacts at Wyoming Regional Community Locations from Direct Project Sources Using IMPROVE Background Data.

Alternative	WDR (Δ Adv) ¹	Big Piney			Boulder			Bronx			Cora			Daniel			Fanston			Lafayette			Merna			Pinedale		
		Maximum Visibility Impact (Δ Adv)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Δ Adv)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Δ Adv)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Δ Adv)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Δ Adv)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Δ Adv)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Δ Adv)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Δ Adv)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Δ Adv)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Δ Adv)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Δ Adv)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Δ Adv)	Number of Days > 1.0 Adv (days)			
No Action ²																												
Maximum Production Emissions (3,100 wells)	0	0.66	0	0.85	0	0.56	0	0.36	0	0.69	0	0.57	0	0.55	0	0.30	0	0.22	0	1.07	1							
Alternative A (Proposed Action) - Maximum Field Emissions	250	2.01	6	3.05	23	2.39	12	1.70	1	3.20	1	2.56	1	2.33	6	1.32	2	0.79	0	4.27	3							
Alternative A	150	1.48	2	2.26	13	1.73	6	1.23	1	2.36	1	1.87	1	1.65	5	0.93	0	0.57	0	3.23	2							
	75	1.03	1	1.63	3	1.15	3	0.82	0	1.57	1	1.25	1	1.13	3	0.60	0	0.38	0	2.20	1							
Alternative B	250	2.15	9	3.45	26	2.68	18	1.91	1	3.62	2	2.90	2	2.62	7	1.48	2	0.90	0	4.87	5							
	150	1.56	2	2.53	15	1.92	6	1.35	1	2.61	1	2.07	1	1.82	5	1.03	1	0.64	0	3.61	2							
	75	1.04	1	1.79	6	1.24	3	0.85	0	1.66	1	1.32	1	1.21	3	0.66	0	0.42	0	2.39	1							
Alternative C	250	1.71	4	2.77	17	2.20	9	1.52	1	2.89	1	2.29	1	2.15	5	1.26	2	0.70	0	3.85	2							
	150	1.16	1	1.95	8	1.53	3	1.04	1	2.03	1	1.59	1	1.46	3	0.87	0	0.49	0	2.75	1							
	75	0.70	0	1.30	1	0.93	0	0.62	0	1.21	1	0.94	0	0.92	0	0.54	0	0.30	0	1.66	1							
Alternative D	250																											
	150																											
	75																											
Alternative E	250																											
	150																											
	75																											
Alternative F	250	2.12	7	3.19	24	2.52	16	1.78	1	3.36	2	2.69	1	2.42	6	1.40	2	0.83	0	4.49	3							
	150	1.57	2	2.39	14	1.82	6	1.30	1	2.50	1	1.99	1	1.74	5	0.98	0	0.61	0	3.44	2							
	75	1.11	1	1.79	7	1.26	3	0.90	0	1.74	1	1.37	1	1.23	3	0.67	0	0.42	0	2.45	1							
Alternative G	250																											
	150																											
	75																											

¹ Adv = change in deciview.
² No Action Alternative was not modeled.

Table F.10.23 Summary of Maximum Modeled Cumulative Visibility Impacts at Wyoming Regional Community Locations from Direct Project and Regional Sources Using FLAG Background Data.

Alternative	WDR	Big Piney			Big Sandy			Boulder			Bronx			Cora			Daniel			Eaton			Labarge			Merna			Pinedale		
		Maximum Visibility Impact (Adv) ¹	Number of Days > 1.0 Adv ¹ (days)	Maximum Visibility Impact (Adv)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Adv)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Adv)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Adv)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Adv)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Adv)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Adv)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Adv)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Adv)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Adv)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Adv)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Adv)	Number of Days > 1.0 Adv (days)				
No Action	--	1.91	5	1.27	1	2.56	4	0.66	0	0.74	0	0.68	0	1.33	3	1.62	6	0.88	0	1.55	2										
Maximum Production Emissions (3,100 wells)	0	1.98	7	1.64	4	2.67	5	0.69	0	0.81	0	0.79	0	1.47	6	1.79	6	0.91	0	1.69	4										
Alternative A (Proposed Action) - Maximum Field Emissions	250	2.29	16	3.29	31	3.26	19	1.56	1	2.92	6	2.34	6	2.49	11	2.54	9	1.00	0	3.91	8										
Alternative A	150	2.09	13	2.60	20	2.89	11	1.15	1	2.18	3	1.74	2	1.99	10	2.27	6	0.96	0	2.98	8										
	75	2.04	10	2.06	10	2.78	8	0.80	0	1.49	1	1.20	1	1.73	10	2.04	6	0.94	0	2.07	5										
Alternative B	250	2.41	20	3.64	34	3.48	23	1.74	1	3.29	7	2.64	10	2.68	12	2.66	12	1.06	3	4.44	9										
	150	2.10	13	2.84	23	2.91	13	1.25	1	2.40	3	1.92	3	2.10	10	2.34	6	0.97	0	3.32	8										
	75	2.05	10	2.20	13	2.79	9	0.82	0	1.57	1	1.26	1	1.78	10	2.07	6	0.94	0	2.23	5										
Alternative C	250	2.24	15	3.04	23	3.11	16	1.40	1	2.65	5	2.10	4	2.36	10	2.50	9	0.99	0	3.52	8										
	150	2.08	12	2.34	15	2.84	10	0.98	0	1.89	1	1.49	1	1.86	10	2.22	6	0.96	0	2.55	6										
	75	2.03	8	1.78	8	2.74	6	0.72	0	1.18	1	0.93	0	1.62	9	1.99	6	0.93	0	1.79	4										
Alternative D	250																														
	150																														
	75																														
Alternative E	250																														
	150																														
	75																														
Alternative F	250	2.37	18	3.41	32	3.36	21	1.63	1	3.06	7	2.45	8	2.59	11	2.60	10	1.00	2	4.10	9										
	150	2.10	13	2.72	23	2.90	12	1.21	1	2.30	3	1.84	3	2.05	10	2.30	6	0.97	0	3.16	8										
	75	2.05	10	2.19	13	2.79	9	0.86	0	1.63	1	1.31	1	1.78	10	2.08	6	0.94	0	2.29	5										
Alternative G	250																														
	150																														
	75																														

¹ Adv = change in deciview.

Table F.10.24 Summary of Maximum Modeled Cumulative Visibility Impacts at Wyoming Regional Community Locations from Direct Project and Regional Sources Using IMPROVE Background Data.

Alternative	WDR	Big Piney			Big Sandy			Boulder			Bronx			Cora			Daniel			Fuson			Labarge			Mema			Pinedale		
		Maximum Visibility Impact (Adv) ¹ (days)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Adv) (days)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Adv) (days)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Adv) (days)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Adv) (days)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Adv) (days)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Adv) (days)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Adv) (days)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Adv) (days)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Adv) (days)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Adv) (days)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Adv) (days)	Number of Days > 1.0 Adv (days)	Maximum Visibility Impact (Adv) (days)	Number of Days > 1.0 Adv (days)				
No Action	--	2.18	7	1.45	2	2.92	4	0.74	0	0.85	0	0.79	0	1.48	3	1.86	6	0.98	0	1.78	2										
Maximum Production Emissions (3,100 wells)	0	2.26	11	1.88	9	3.04	5	0.77	0	0.93	0	0.89	0	1.69	8	2.05	6	1.01	1	1.94	5										
Alternative A (Proposed Action) - Maximum Field Emissions	250	2.62	20	3.62	34	3.70	21	1.79	1	3.32	8	2.67	11	2.75	12	2.90	12	1.13	5	4.41	10										
Alternative A	150	2.39	15	2.88	24	3.28	13	1.32	1	2.49	5	1.99	6	2.26	10	2.59	9	1.07	1	3.38	8										
	75	2.33	13	2.28	14	3.17	9	0.92	0	1.71	3	1.38	1	1.98	10	2.33	6	1.05	1	2.37	8										
Alternative B	250	2.75	22	4.00	36	3.94	21	1.99	4	3.74	10	3.01	14	2.96	13	3.03	12	1.23	6	5.00	15										
	150	2.40	17	3.13	28	3.31	16	1.44	1	2.74	6	2.19	7	2.36	10	2.67	9	1.08	2	3.76	8										
	75	2.34	14	2.43	16	3.17	9	0.94	0	1.80	3	1.44	2	2.04	10	2.37	6	1.05	1	2.55	8										
Alternative C	250	2.55	18	3.35	30	3.54	18	1.60	1	3.01	7	2.41	9	2.61	11	2.85	11	1.10	4	3.99	8										
	150	2.38	14	2.58	18	3.23	10	1.13	1	2.16	5	1.71	4	2.13	10	2.54	7	1.07	1	2.91	8										
	75	2.32	13	1.97	9	3.12	7	0.80	0	1.36	1	1.08	1	1.85	10	2.28	6	1.04	1	2.05	5										
Alternative D	250																														
150																															
75																															
Alternative E	250																														
150																															
75																															
Alternative F	250	2.70	20	3.75	34	3.80	21	1.87	2	3.48	8	2.80	13	2.86	13	2.96	12	1.16	5	4.63	11										
	150	2.40	16	3.00	25	3.30	14	1.39	1	2.63	6	2.11	6	2.31	10	2.63	10	1.08	1	3.59	8										
	75	2.34	14	2.43	16	3.18	9	0.99	0	1.87	3	1.50	2	2.04	10	2.38	6	1.05	1	2.62	8										
Alternative G	250																														
150																															
75																															

¹ Adv) = change in detriev. (