Appendix C

REASONABLY FORESEEABLE DEVELOPMENT EMISSIONS: WELLS ASSOCIATED WITH OTHER NEPA PROJECTS (1995 - POST-1998)

Reasonably Forseeable Development Emissions: Wells Associated with Other NEPA Projects (Post-1998)

Map ID		Area (km^2)	Elevation (m)	Dehydrator and Separator Heater Emissions			Emissions $tons/m^2/year$
				Number of wells	NOx Emission Factor[1] TPY/well	Emissions TPY	
A	Hoback Basin	764.39	2,475	10	0.065	0.7	8.50E-10
B	Upper Green River	185.88	2,550	10	0.065	0.7	3.50E-09
C	Soda Unit	103.79	2,713	18	0.065	1.2	1.13E-08
D	Castle Creek Unit	74.92	2,430	10	0.065	0.7	8.68E-09
E	Riley Ridge	541.4	2,533	224	0.065	14.6	2.69E-08
F	CAP	501.65	2,188	445	0.065	28.9	5.77E-08
G	Jonah II	153.65	2,163	321	0.065	20.9	1.36E-07
H	Burley	3.18	2,230	16	0.065	1.0	3.27E-07
J	Bird Canyon	20.88	2,165	8	0.065	0.5	2.49E-08
K	East LaBarge	432.88	2,150	9	0.065	0.6	1.35E-09
L	Fontenelle Reservoir[2]	414.63	2,020	1141	0.065	74.2	1.79E-07
M	Moxa Arch	972.68	2,013	1227	0.065	79.8	8.20E-08
N	Road Hollow	150.89	2,200	6	0.065	0.4	2.58E-09
O	Hickey Mountain	79.54	2,675	50	0.065	3.3	4.09E-08
P	Stagecoach Draw	150.39	2,038	59	0.065	3.8	2.55E-08
Q	Essex Mountain	50.67	2,193	3	0.065	0.2	3.85E-09
R	Bravo	23.8	2,091	4	0.065	0.3	1.09E-08
S	Hay Reservoir	73.33	2,063	2	0.065	0.1	1.77E-09
T	Continental Divide/Wamsutter II	3701.32	2,110	3000	0.08	249.2	6.73E-08
U	Mulligan Draw	332.16	2,100	23	0.065	1.5	4.50E-09
V	Creston/Blue Gap	1272	2,058	175	0.065	11.4	8.94E-09
W	Sierra Madre	76.68	2,075	16	0.065	1.0	1.36E-08
X	Miscellaneous Wells - West	1517.28	2,200	185	0.065	12.0	7.93E-09
Y	Miscellaneous Wells - East	126.94	2,200	15	0.065	1.0	7.68E-09
Z	Dripping Rock/Cedar Break	495.49	2,050	34	0.065	2.2	4.46E-09
AA	South Baggs	214.08	1,950	90	0.065	5.9	2.73E-08
AB	Jack Morrow Hills	936.82	2,250	110	0.065	7.2	7.63E-09
	Total			7211	0.07	523	

[1]The Continental Divide emission factor is 0.08 TPY per well based on conversation with TRC (3/5/99). Assumes separator heater emitting at 0.025 lb/hour for 4368 hours per year and the dehy heater operating at 0.013 lb/hour for 4380 hours per year.

[2]Note that there are two locations specified for Fontanelle on the map - the large area is used in the CALPUFF modeling.

Emissions Change from Addition and/or Removal of Wells in the Study Area (1995 - 1998)

		Area (km^2)	Elevation (m)	MCF/year	NOx Emission Factor[1] tons/MMCF	Emissions TPY	Emissions $tons/m^2/year$
	Carbon	2292.27	2,100	-41,773	0.0004	-0.015	-6.39E-12
	Fremont	9125.33	1,600	59,184	0.0004	0.021	2.27E-12
	Lincoln	1340.4	2,050	-144,195	0.0004	-0.051	-3.77E-11
	Sublette	4739.07	2,300	949,898	0.0004	0.333	7.02E-11
	Sweetwater	21155.43	2,200	-1,125,777	0.0004	-0.394	-1.86E-11
	Uinta	5052.56	2,300	-878,056	0.0004	-0.308	-6.09E-11
	Total			-1,180,719	0.0004	-0.414	

[1]Emission factor derived from NOx production emissions per well field and expected production rate.