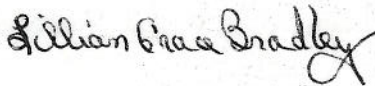


March 13, 2014

MEMORANDUM

SUBJECT: Projected New Minor Sources in Indian Country

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TO: Christopher Stoneman, Policy Advisor
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This memorandum presents projected new minor sources in Indian Country for the years 2011 through 2016 for the following selected source categories:

- Boilers;
- Concrete batch plants;
- Engines;
- Graphic arts and printing operations; and
- Sawmills.

The projection of future new minor sources and the methodology associated with the projections are documented in Chapter 2 of the "Economic Impact Analysis for the Review of New Sources and Modifications in Indian Country Final Report" that can be found at: <http://www.epa.gov/ttnecas1/eia.html>. The underlying data presented in the report on which the projections were based remain the most current data and projections available. These projections include true minor sources only and do not include major sources or synthetic minor sources.

In summary, based on the estimated number of existing minor sources in Indian Country in 2009, census population data, tribal emission inventory data, and Census Business Statistics along with EPA Regional input, the number of estimated new minor sources in the above source categories were projected for the years 2011 through 2016. The EPA conducted the analysis for the projections at the EPA Region level and grouped the Regions based on similar source types. The EPA Region 3 contains no federally recognized Tribes, so it is omitted from the analysis.

The EPA Regional groupings are as follows: Regions 1, 2, and 4; Regions 5, 7, and 10; and Regions 6, 8, and 9.

Because the original analysis was conducted for the continental United States only, excluding Hawaii and Alaska, the EPA Regions in the analysis include the following states:

Region 1: Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont

Region 2: New Jersey and New York

Region 4: Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee

Region 5: Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin

Region 6: Arkansas, Louisiana, New Mexico, Oklahoma, and Texas

Region 7: Iowa, Kansas, Missouri, and Nebraska

Region 8: Colorado, Montana, North Dakota, South Dakota, Utah, and Wyoming

Region 9: Arizona, California, and Nevada

Region 10: Idaho, Oregon, and Washington

Presented in the attached table are the estimated numbers of new minor sources in the identified source categories, based on the associated NAICS codes, by EPA Regional groupings for the years of 2011 – 2016.

The totals by Regional groupings represent the combined number of projected new minor sources for all the NAICS codes identified in that industry category.

If you have any questions, please feel free to contact me at bradley.lillian@epa.gov or 919-541-5694.

Industry Category	NAICS	Description	EPA Region Groups				
			1,2,4	5,7,10	6,8,9	Total	
Boilers	Unknown ^a	Boilers – General	0	0	17	17	
	721120	Casino Hotels	1	4	15	20	
	321***b	Wood Product Manufacturing (except Sawmills)	0	0	7	7	
	11***b	Agriculture, Greenhouses	0	1	4	5	
	311***b	Food Manufacturing	0	0	4	4	
	327***b	Nonmetallic mineral product manufacturing (except Ready-Mix Concrete Manufacturing)	0	1	24	25	
	424***b	Wholesale Trade, Nondurable Goods	0	2	10	12	
	611110	Elementary and Secondary Schools	0	0	0	0	
	611210	Junior Colleges	0	0	0	0	
	611310	Colleges, Universities, and Professional Schools	0	0	0	0	
	813110	Religious Organizations	0	0	0	0	
	92***b	Public Administration	0	3	14	17	
	62***b	Health Care and Social Assistance	0	0	4	4	
	2211**b,c	Electric Power Generation	0	0	4	4	
		Total Boilers	1	11	103	115	
Concrete Batch Plants							
	327320 ^d	Concrete batch plants (including temporary)	0	1	5	6	
	327320 ^d	Central-mixed concrete manufacturing	0	0	0	0	
	327320 ^d	Truck-mixed concrete manufacturing	0	0	0	0	
	327320 ^d	Transit-mixed concrete manufacturing	0	0	0	0	
	327320 ^d	Ready-mix concrete manufacturing and distributing	0	0	0	0	
	327331	Concrete Manufacturing: All Types of Blocks and Bricks	0	0	0	0	
	327332	Concrete Manufacturing: All Types of Pipe and Conduit	0	0	0	0	
	327390	Concrete Manufacturing: All Structural Forms	0	0	0	0	
		Total Concrete Batch Plants	0	1	5	6	

Engines	622110	Medical and Surgical Hospitals	0	0	3	3
	2211**c	Electric Power Generation	0	0	3	3
		Total Engines	0	0	6	6
Graphic Arts and Printing Operations	32311 ^e	Printing	0	1	13	14
	323111 ^e	Commercial Printing (except Screen and Books)	0	0	0	0
	323113 ^e	Commercial Screen Printing	0	0	0	0
	323117 ^e	Books Printing	0	0	0	0
		Total Printing Operations	0	1	13	14
Sawmills	321113	Sawmills	0	0	3	3
		Total Sawmills	0	0	3	3
		Grand Total	1	13	130	144

^a These new minor sources were not assigned a NAICS industry code in the original analysis and were identified as boilers.

^b The NAICS codes indicated that include one or more "*" include all the NAICS codes in the series starting with the two or more numbers provided. For engines, the 622110 code includes all 6-digit codes that fall under NAICS (including NAICS 622110). Since NAICS 62 includes NAICS 622110 Medical and Surgical Hospitals, EPA has allocated new minor sources associated with these NAICS codes as follows: 4 new minor sources (boilers: NAICS 62) and 3 minor sources (engines: NAICS 62110).

^c Since new minor sources associated with this industrial code were not associated with an industry category (i.e., boilers or engines), EPA has allocated the total number of new minor sources as follows: 4 new minor sources in boilers and 3 new minor sources in engines.

^d NAICS 327320 Ready-mix concrete manufacturing includes the following types of establishments: concrete batch plants (including temporary), central-mixed concrete manufacturing, truck-mixed concrete manufacturing, transit-mixed concrete manufacturing, and ready-mix concrete manufacturing and distributing. The original analysis identified all 12 new minor sources in NAICS 327320 as concrete batch plants (including temporary). As a result, new minor sources in the remaining four categories were assumed to be zero.

^e New minor sources associated with these industrial codes are only available at the 5-digit NAICS code 32311. Information for the more detailed 6-digit NAICS codes (323111, 323113, and 323117) was not available. As a result, new minor sources in these three NAICS codes were assumed to be zero.