

Table 2-13 is a summary of tons of air pollutants released on the NTS since 1995. These numbers were derived from the Actual Production/Emissions Reporting Forms that are required to be submitted to the state annually. Prior to calendar year (CY) 2000, HAPS were not included in the Reporting Forms. HAPS are now reported, but for only a few of the facilities. Specific HAPS are not identified in the Reporting Forms. The quantity of HAPS released in 2003, as calculated in the Reporting Forms, was 0 (Table 2-13).

The *Calendar Year 2003 Actual Production/Emissions Reporting Form*, containing the calculated emission totals for 2003 was submitted to the Nevada Division of Environmental Protection on February 24, 2004, prior to its due date of March 1.

Table 2-13. Tons of air pollutants released on the NTS since 1995

Pollutant	Total Emissions (tons/yr) ^(a)								
	1995	1996	1997	1998	1999	2000	2001	2002	2003
Particulate Matter (PM10) ^(b)	4.53	2.89	1.67	1.11	1.7	1.46	2.05	3.61	2.39
Carbon Monoxide (CO)	0.21	0.04	5.28	1.85	1.87	2.76	4.84	4.6	1.79
Nitrogen Oxides (NOx)	1.56	0.16	19.79	7.57	8.07	12.75	22.23	21.09	8.11
Sulfur Dioxide (SO ₂)	1.47	0.3	0.85	0.37	0.42	0.98	1.68	1.62	0.76
Volatile Organic Compounds (VOC)	19.87	2.82	0.94	11.76	1.99	1.89	2.01	2.1	1.21
Hazardous Air Pollutants (HAPS)	0	0	0	0	0	0.01	0.03	0.01	0

(a) For mtons, multiply tons by 0.9072

(b) Particulate matter equal to or less than 10 microns in diameter

2.2.3.2 Production Rates/Hours of Operation

Production rates and hours of operation were computed for all permitted facilities as an interim step in order to calculate the tons of air pollutants emitted in 2003, as shown in Table 2-12 above. The records examined for all permitted equipment and facilities indicated that the production rates, hours of operation, and gallons of fuel used by each were within the specified permit limits.

2.2.3.3 Opacity Readings

During 2003, four BN personnel were certified by Carl Koontz Associates to conduct visible emissions evaluations (i.e., opacity readings). Opacity readings were obtained for the following NTS permitted facilities regulated under the NAAQS opacity limit of 20 percent: Area 23 Incinerator, Area 1 Concrete Batch Plant, Area 1 Wet Aggregate Plant, Area 23 Boiler, Area 1 Storage Silos, and the Portable Field. Readings for these facilities ranged from 0 to 10 percent, all below the air quality permit limits of 20 percent.

Opacity readings were obtained once a month for a portion of the Area 1 Wet Aggregate Plant which is regulated under the stricter NSPS opacity limit of 10 percent. Opacities were found to be within the 10 percent limit.

One evaluation was performed for a small chemical release at Test Cell C in Area 26. Test Cell C is a non-permitted facility for such releases, and permission from the state was required and obtained prior to conducting the release. The opacities from this facility ranged from 15 to 20 percent.

2.2.3.4 HSC Reporting

In 2003, four chemical tests consisting of 17 releases were conducted at the HSC. They included:

- Divine Invader Test Series (2 releases)
- Roadrunner II Test (4 releases)
- Quail Project (3 releases)
- DuPont Fuming Acids Mitigation Workshop (8 releases)