ANNUAL NUTRIENT LOADS AND CAPS, TAR-PAMLICO BASIN ASSOCIATION

PHASE I

Combined N+P	1991[1]	1992[1]	1993[1]	1994[1]
Loading Cap [a] (kg/yr)	525,000	500,000	475,000	425,000
Actual Load (kg/yr)	461,394	436,128	417,217	371,200
Load as % of Cap	88	87	88	87
Average Flow (MGD)	24.88	26.86	28.46	26.65

PHASE II

Separate N, P	1995[2]	1996[2]	1997[2]	1998[2]	1999[2]	2000[2]	2001[3]	2002[4]	2003[4]	2004[4]
Loading Cap [a] (kg/yr)	N: 405,256 P: 69,744	N: 405,256 P: 69,744	N: 405,256 P: 69,744	N: 405,256 P: 69,744	N: 405,256 P: 69,744	N: 405,256 P: 69,744	N: 421,972 P: 73,060	N: 426,782 P: 73,694	N: 426,782 P: 73,694	N: 426,782 P: 73,694
Actual Load (kg/yr)	N: 372,582 P: 37,360	N: 354,219 P: 43,266	N: 320,670 P: 36,532	N: 344,781 P: 36,864	N: 309,476 P: 32,052	N: 297,988 P: 30,277	N: 279,958 P: 32,730	N: 279,330 P: 34,076	N: 309,724 P: 30,856	N: 261,429 P: 33,979
Load as % of Cap	N: 92 P: 54	N: 87 P: 62	N: 79 P: 52	N: 85 P: 53	N: 76 P: 46	N: 74 P: 43	N: 66 P: 45	N: 65 P: 46	N: 72 P: 42	N: 61 P: 46
Average Flow (MGD)	31.03	33.57	29.84	33.31	33.39	32.74	30.21	30.54	36.86	29.65

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PHASE III

Separate N, P	2005[5]	2006[5]	2007[5]	2008[5]	2009[5]	2010[5]	2011[5]
Loading Cap [a] (kg/yr)	N: 404,274 P: 73,060	N: 404,274 P: 73,060	N: 404,274 P: 73,060	N: 404,274 P: 73,060	N: 404,274 P: 73,060	N: 404,274 P: 73,060	N: 404,274 P: 73,060
Actual Load (kg/yr)	N: 242,020 P: 39,267	N: 232,568 P: 46,995	N: 246,465 P: 50,077	N: 253,818 P: 43,821	N: 273,080 P: 40,724	N: 289,354 P: 37,362	N: 293,262 P: 45,344
Load as % of Cap	N: 60 P: 54	N: 58 P: 64	N: 61 P: 69	N: 63 P: 60	N: 67 P: 56	N: 72 P: 51	N: 73 P: 62
Average Flow (MGD)	29.21	32.85	27.05	27.39	28.0	30.5	28.6

- Loads estimated by NC Division of Water Quality. Equal to the sum of calendar-year monthly load values for each facility, which are based on minimum biweekly nutrient concentrations and daily mass flows.

[a] Cap values and changes result from the following:
1. Phase I – Original 12-member Association.
2. Phase II through 2000 – 14-member Association.
3. 2001 – Robersonville added, 15-member Association.
4. 2002 – Scotland Neck added, 16-member Association.
5. 2005 – National Spinning removed, 15-member Association in Phase III