

Table 7-9: Total Nitrogen and Total Phosphorus Waste Load Allocations Minor Industrial Facilities				
Permit Number	Facility Name	Design Flow (gpd)	TP Load (lbs/growing season)	TN Load (lbs/growing season)
VA0003450	Applied Extrusion Technologies	1,000,000	178.4	395.0
VA0006076	Clifton Forge Water Treatment Plant	50,000	8.9	19.7
VA0003344	CSX Transportation Inc - Clifton Forge	25,000	4.5	9.9
VA0091324	DGIF Paint Bank Fish Cultural Station	2,900,000	517.3	1145.4
Total			709	1,570

The nutrient allocations for the 5 minor municipal dischargers are developed using recommended literature values related to primary treatment levels for total phosphorus (10 mg/L) and total nitrogen (40 mg/L) (Thomann, 1987). **Table 7-10** presents the WLAs for the 5 minor municipal facilities for total phosphorus and total nitrogen respectively.

Table 7-10: Total Phosphorus Waste Load Allocations – Minor Municipal Facilities				
Permit Number	Facility Name	Design Flow (gpd)	TP (lbs/growing season)	TP (lbs/growing season)
VA0088544	Boys Home Inc STP	24,000	305.8	1223.1
VA0032115	Morris Hill STP	15,000	191.1	764.4
VA0088552	Sponaugle Subdivision	16,000	203.9	815.4
VA0090646	Tanglewood Manor Home for Adults	18,000	229.3	917.3
VA0075574	VDOT I64 Rest Area - Alleghany County	15,000	191.1	764.4
			1,121.2	4,484.8

There are also 18 general permits in the Jackson River watershed; 3 permits issued to domestic sewage facilities 11 stormwater permits issued to industrial sites, 2 permits issued to mines, 1 stormwater permit issued to a construction site, and 1 stormwater permit issued to a concrete facility.

The WLA for the domestic sewage facilities were developed using similar nutrient discharge assumption as the one used the minor municipal facilities along with a maximum discharge flow of 1,000 gallons per day. **Table 7-11** presents the total phosphorus and total nitrogen WLAs for the 3 domestic sewage facilities.