

Stormwater Pollutant Loads for SW 5th Master Basin

1	2	3	4	5	6	7	8	9	10
Constituent	Mean Runoff Concentration (mg/l)	Annual Runoff (liters/year)	Pollutant Load (kg/year)	Removal by BMP (%)	% Treated (%)	Lbs Removed lbs./yr.	Banked Credits lbs./yr.	Utilized Credits lbs/yr.	Remaining Credits lbs/yr.
Nitrogen	1.41	175,240,875	247.09	50	86	234.24	234.24	177.76	56.48
Phosphorus	0.21	175,240,875	36.80	50	86	34.89	34.89	22.60	12.29
SS	80	175,240,875	14,019.27	65	86	17,277.12	17,277.12	12202.13	5,074.99
Zn	0.106	175,240,875	18.58	80	86	28.18	28.18	16.72	11.45
Lead	0.133	175,240,875	23.31	55	86	24.30	24.30	20.49	3.82

Column Notes:

1. Selection of constituents based on representative pollutants typical monitored in Stormwater.
2. Loading Rates were taken from Harper "Stormwater Loading Rate Parameters for Central and South Florida, Revised October 1994." EMCs are basin-wide land use-weighted averages.
3. Annual runoff is calculated for the Drainage area using 51 acres, Runoff coefficient of .8 and annual rainfall of 50.5 inches.
4. Pollutant load is calculated for the entire DA in kg/year.
5. Removal rates taken from various published sources.
6. Represents the percentage of the actual watershed that can be treated effectively during annual average conditions.
7. Represents actual ponds of pollutants removed by the Wet Detention System.
8. Represents the banked pollutant credits.
9. Represents Utilized Credits- See list of City approved projects below.
10. Represents the remaining credits with the Utilized Credits accounted.

General Notes:

1. Refer to a separate matrix of Runoff Concentrations for use when calculating other land uses.
2. For development within or outside the watershed, the engineer must provide pollutant calculations based on the attached matrix. The increased pollutants shall then be multiplied by 80% and deducted from the available "Banked Credits" and be accompanied by a Letter from the City authorizing use of "Banked Credits".
3. The City shall be responsible for tracking the "Banked Credits" in a running format and providing that information to each engineer in a letter format with each modification to the permit.

City Approved Projects

- | City Approved Projects | Status |
|---------------------------------|--|
| 1. City Parking Garage | Part of Base Permit No. 40-001-82960-1 Revision to 1.75 acre site Approved 40-001-82960-4 |
| 2. Shands AGH | Approved- Permit No. 40-001-82960-2 |
| 3. Alachua County Courthouse | Approved- Permit No. 40-001-82960-3 |
| 4. Courthouse South Lots | Approved- Permit No. 40-001-82960-3 |
| 5. West University Avenue Lofts | Approved- Permit No. 40-001-82960-3 |
| 6. Cone Property- JPI- Mar-07 | Approved- Permit No. 40-001-82960-5 |
| 7. University Corners | Approved Permit No. 40-001-82960-6 Revision to Credit/Debit Model Capital Recovery Fee Paid & included in Col 9 above - Permit Pending |