

HENRICO COUNTY ENVIRONMENTAL COMPLIANCE MANUAL

WORKSHEET 14.01 - SITUATION ONE

Compile existing site-specific data and determine existing site imperviousness (I_{EXIST}). For the purposes of these calculations, site area (A_{SITE}) is defined as the entire parcel. A_{EXIST} represents the actual amount of existing impervious cover on the site.

A_{SITE} = _____ acres

A_{EXIST} structures = _____ acres

parking lot = _____ acres

roadway = _____ acres

other = _____ acres

Total A_{EXIST} = _____ acres

I_{EXIST} = $(\text{Total } A_{EXIST} \div A_{SITE}) \times 100$

I_{EXIST} = _____ % (expressed in whole numbers)

Compile post-development site-specific data and determine post-development site imperviousness (I_{POST}). For the purposes of these calculations, site area (A_{SITE}) is defined as the entire parcel. A_{POST} represents the actual amount of impervious cover on the site once the proposed development is complete.

A_{SITE} = _____ acres

A_{POST} structures = _____ acres

parking lot = _____ acres

roadway = _____ acres

other = _____ acres

Total A_{POST} = _____ acres

I_{POST} = $(\text{Total } A_{POST} \div A_{SITE}) \times 100$

I_{POST} = _____ (expressed in whole numbers)

If $I_{EXIST} \leq 16\%$ and $I_{POST} \leq 16\%$, STOP. There is no pollutant removal requirement. Otherwise, refer to the **CALCULATION OF POLLUTANT REMOVAL REQUIREMENTS** section at the beginning of this chapter for development situation determination.