| Yes | No | Action |
| --- | --- | --- |
|  |  | Is the infiltration facility outside of any setback requirements (See Appendix V-E)? |
|  |  | Is infiltration feasible? See Step 1 and Step 2 in Volume III, Section 2.7 |
|  |  | Are the proposed infiltration facilities outside of floodplain or high groundwater areas? |
|  |  | Is facility used for runoff treatment?  If yes check the following:   * Initial (≤9”/hour) and design (≤3”/hour) infiltration rates * Cation exchange capacity must be ≥5 milliequivalents CEC/100 g dry soil * Suitable treatment soil is a minimum of 18” deep (can be amended or engineered soil) * Organic content sufficient to control the targeted pollutants (≥1%) |
|  |  | Was the method used to determine the infiltration rate appropriate for the site? See Volume III, Step 4. |
|  |  | If the Simple Method is used does the geotechnical report justify its use? |
|  |  | Were the tests done at the appropriate locations, i.e., in the footprint of the infiltration facility and at the elevation/depth below grade which the bottom of the facility is proposed? |
|  |  | Were the appropriate number of tests done based on the size of the facility? |
|  |  | Were the tests done at or below the bottom of the infiltration facility? |
|  |  | Are the field methods used contained in the report? |
|  |  | Do the field methods conform to the approved methods in Volume III, Step 5? |
|  |  | Does the geotechnical report show the depth to groundwater? |
|  |  | Is the seasonal high groundwater >3’ below the bottom of the infiltration facility? |
|  |  | Is there a shallow impermeable layer below the infiltration facility that could influence the infiltration rate? |
|  |  | Is an Infiltration Receptor Characterization study required (See Volume III, Step 3 and Figure 2.1)? |
|  |  | Is a Mounding Analysis required (See Volume III, Figure 2.1 and Step 3)? |
|  |  | Are the field logs included? |
|  |  | Are the results of the soils tests included? |
|  |  | Are the appropriate calculations to determine the infiltration rate(s) performed and included in the report? |
|  |  | Are the appropriate safety factors used in the calculations? |
|  |  | Does the geotechnical report provide the infiltration rates to be used in the hydrological models? |
|  |  | Are appropriate plans and figures included? |
|  |  | Are infiltration facilities properly sized? Check model simulation output to confirm. |