**Determining Whether Hydraulic Modeling Report or Certification is Required (List 3)**

Typically, a hydraulic modeling report and a certification of the hydraulic modeling results by a Professional Engineer (PE) are both required as a part of the plan review process for **public drinking water projects** that are for new construction, water system expansions, and new public drinking water systems.

1. Hydraulic modeling report and certification may NOT be required if:

The water system is a transient system and R309-550-5(3) does not apply.*[R309-511-4(1); R309-550-5(3)(b) and (c)];* **or**,

The water system is a non-transient non-community water system with system demand less than the requirement in R309-510 and does not provide water for fire suppression.*[R309-511-4(1)]*.

1. Hydraulic modeling report and PE certification are NOT required if the proposed project will not result in a negative hydraulic impact. *[R309-511-4(1)(a)(i)(A) through (G)].*

For example:

Addition of new sources

Re-development of any spring or well source

Adding disinfection, fluoridation, or other treatment facilities that do not adversely impact flow, pressure or water quality

A change or addition of a water treatment process

Interior re-coating or re-lining of any raw or drinking water storage tank, or water storage chamber within any treatment facility

Water main additions with no expansion of service (i.e. looping lines)

The "in-situ" re-lining of any pipeline

Adding pump station(s) from source or storage upstream of distribution service connections

Adding transmission lines to storage or sources without adding service connections

Public drinking water projects that have negligible hydraulic impact as determined by the Director

1. A hydraulic modeling report is not required but a PE certification is required if:

The project is part of a planned phase of a master plan previously approved by the Director.*[R309-511-4(1)(a)(ii)]*; **or**,

The water system has formally notified the Division of Drinking Water that it maintains and updates a hydraulic model of the system and designates a professional engineer who is responsible for overseeing the hydraulic analysis.*[R309-511-4(1)(a)(iii)]*.