**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)]*.