

New or Non-Conventional Technology Approval Process

New and non-conventional treatment technologies will be accepted only after 1) a detailed review of all engineering data from a demonstration study, and 2) a period of extensive monitoring under a Temporary Operation Permit with detailed Special Permit Requirements. VDH does not provide blanket approvals for treatment equipment. Actual approval of treatment equipment is provided on a case by case basis and is dependent upon the site specific conditions and water quality.

STEP 1: Owner notifies ODW of a proposed project and submits a Permit Application. A Waterworks Business Operation Plan may also be required for new waterworks.

STEP 2: If required by ODW, Owner schedules a Preliminary Engineering Conference (PEC) to be held with ODW, Owner, and engineer.

STEP 3: Owner's engineer prepares a Preliminary Engineering Report (PER) and submits to ODW Field Office for review approval.

STEP 4: The owner conducts a full-scale or pilot demonstration study. The engineer submits the final report of the study to ODW Field Office for review and approval.

STEP 5: The design engineer submits construction plans, specifications, engineering calculations and related documents to ODW Field Office for review and approval.

STEP 6: ODW issues a Construction Permit with an expiration date of 5 years.

STEP 7: The project may be placed into operation upon the following:

- Engineer submits letter of substantial completion to ODW
- ODW receives acceptable post-construction bacteriological sample results (if applicable)
- ODW staff conducts final inspection

STEP 8: ODW issues a Temporary Operation Permit with Special Permit Requirements and a typical expiration date of 12 to 18 months.

STEP 9: Owner/engineer submits performance reports per the Special Permit Requirements of the Temporary Permit to ODW for review.

STEP 10: If the new/non-conventional technology meets the operational standards of Part II of the Regulations, ODW issues a Standard Operation Permit.