

Aquatic Invasive Species Management General Permit

WA Department of Ecology

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NPDES Permitting in WA

- Ecology is the delegated authority for NPDES permitting in WA
- Ecology does not have one general aquatic pesticide permit.
- Ecology has developed a variety of general permits for specific pesticide applications

State or Federal NPDES Permit

- Federal agencies working on federal land are covered by EPA's permit.
- Tribal lands are covered by EPA's permit.
- Permitting of state entities working on federal land is determined by the projects funding source.

Activities Covered Under The Aquatic Invasive Species Management General Permit

- Management activities for nonnative invasive aquatic animals and nonnative invasive marine algae.
- Marine and freshwater projects.
- All surface waters of the State of Washington

Who May Apply for Coverage

- State government agencies
 - May obtain coverage prior to introduction.
- Agencies may contract with other state or local government entities, non-governmental organizations, private applicators or individuals to conduct treatment activities.

How to Obtain Coverage

- Submit Notice of Intent (Application)
- Submit SEPA Checklist
 - <https://fortress.wa.gov/ecy/publications/publications/ecy05045.pdf>
- An EIS has been completed to fulfill the SEPA requirement for this permit.
 - <https://fortress.wa.gov/ecy/publications/publications/1010010.pdf>

Impaired Water Bodies

- 303(d) listed water bodies
 - Emergency Exception
- Copper restrictions
- Mitigation measures
 - Timing
 - Chemical
 - Aeration
 - Removal of Dead Organisms

303(d) Listed Waters

- American Lake
 - Total Phosphorus
- Lake Wanapum
 - Temperature
- Lake Washington Ship Canal
 - DO/Temp/pH/Total Phosphorus

Authorized Chemical Products

- Permittee must ensure pesticide label approval prior to discharge.
- | | |
|---------------------------------------|----------------------------------|
| -Sodium chloride | - Rotenone |
| -Potassium chloride | - Antimycin-A |
| -Chlorine compounds | - Potassium permanganate |
| -Acetic acid | - Endothall |
| -Calcium hydroxide | - Methoprene |
| -Chelated copper | - Sodium carbonate peroxyhydrate |
| - <i>P. fluorescens</i> strain CL0145 | -Heating and cooling |

Experimental Use Permits

- Other chemicals may be applied in the context of research and development.

Specific Restrictions

- Each chemical is subject to the following type of restrictions:
 - WDFW fish timing windows and critical habitat areas.
 - http://www.ecy.wa.gov/programs/wq/pesticides/final_pesticide_permits/aquatic_plants/permitdocs/wdfwtiming.pdf
 - Restrictions/advisories apply to recreational activities and primary contact activities.
 - Treatment limitations that affect treatment area, ESA species, application methods, pH and other parameters.

Adaptive Management Plan

- Plan must be submitted within 18 months of initial treatment.
 - Must be reviewed and approved by Ecology.

Monitoring

- The Permittee must develop an annual monitoring plan.
 - Plan must look at efficacy.
 - Must conduct chemical specific monitoring requirements.

Other Requirements

- Reporting
- Notifications
- Posting treatment sites

Prior to Infestation

- Complete SEPA Checklist
- Obtain permit coverage
 - 38 day wait from application for permit coverage until first discharge.

After Infestation is Discovered

- Post planned treatment on WDFW website
- Residential and business notifications 7-12 days prior to treatment.
 - Same day notice for emergencies.
 - Based on label restrictions for water use, provide alternate water supply if requested.
- Shoreline sign posting

After Infestation is Discovered

- Pesticide Discharge
 - Specific pesticide restrictions
 - Impaired water bodies
- Conduct Monitoring
- Develop Adaptive Management Plan within 18 months.

Contact Info

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