

Pesticide NPDES Permit

Ohio General Permit Conditions

Court Mandate

- ▶ Applications “in, over or near” water
 - ▶ Must have NPDES by October 31, 2011
 - ▶ General NPDES permit
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Federal and State Permits

▶ Federal

- NH, MA, NM, ID
- Territories

▶ State

- 46 State NPDES

Use Patterns

- ▶ Mosquito/Insect Control
 - ▶ Weed/Algae Control
 - ▶ Nuisance Animal Control
 - ▶ Forest Canopy Pest Control
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New Ohio Use Patterns

- ▶ Invasive Vegetation Control
 - ▶ Invasive Plant Management
 - Resource Conservation Areas
 - Mitigation Areas
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Ohio Permit Applicability

- ▶ Same as federal
 - ▶ All covered, but not all need to apply
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NPDES Oversight

▶ More

- Direct Water Apps.
- High Quality Waters
- Large-scale uses

▶ Less

- Spot treatments
- Fogging

Ohio NOIs

- ▶ Direct application to very high quality waters–
 - Superior High Quality Waters
 - Outstanding State Waters
 - Wetlands > 80 acres
- ▶ Direct application to drinking water reservoirs

Ohio NOIs

- ▶ Fish eradications (lampreycides, etc.)
- ▶ Aerial forestry applications
- ▶ Lake Erie aerial herbicide apps. >80 acres

Basic Permit Conditions

- ▶ Treatment Technology Limits –
 - Maintenance
 - Proper dosing
 - BMPs
- ▶ Water Quality Limits –
 - “Free froms”

Agricultural Dept. BMPs

- ▶ Need one licensed operator
 - Can train staff (w/i limits)
 - Not more than 2 hours away during application

Ag Dept BMPs – continued

- ▶ Cannot be stored above/near medicines, food, feed or toys
 - ▶ Spills can not lead to release to environment
 - ▶ Must be labeled and locked
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Other BMPs

- ▶ Do not apply when rain forecasted
 - ▶ Do not apply more than amount recommended by manufacturer
 - ▶ Avoid overspray of liquid pesticides
 - ▶ Sweep up spills and overspread on hard surfaces
 - ▶ Protect storm drains near application
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Other Basic Requirements

- ▶ Keep records of what was applied and how much
 - ▶ Visual monitoring
 - ▶ Adverse incident reporting
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Other Permit Conditions

- ▶ Notify Water Supply Operator
 - Stream or ditch app. w/i 500 yards of intake
 - ▶ Approval of OEPA Drinking Water for applications to drinking water reservoirs
 - ▶ Calculated MCL concentrations for borrow pits and large ponds
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Over a Threshold?

- ▶ 6400 acres (land containing surface waters)
 - ▶ 20 linear stream miles
 - ▶ 80 acres (surface water or wetlands)
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Part V Conditions

- ▶ Integrated Pest Management
 - ▶ Pesticide Discharge Management Plan
 - ▶ Annual Report
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Exempt from Part V

- ▶ Small public entities (<10,000 people)
 - ▶ Small business (OCAPP definition)
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Pesticide Discharge Man. Plans

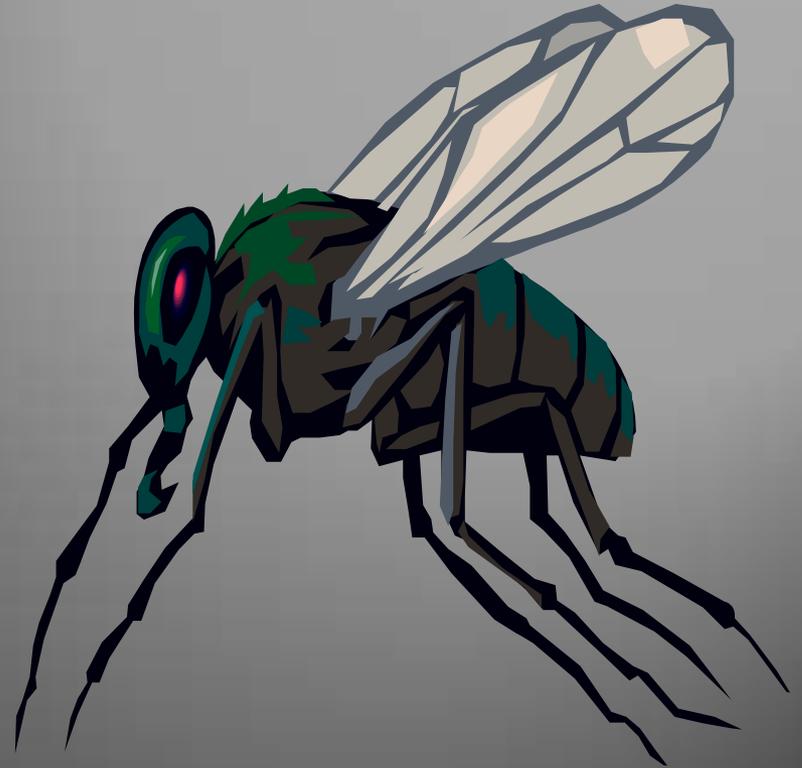
- How you meet the treatment technology standards:
 - Pest surveillance and responses
 - Monitoring of dose
 - FIFRA documentation
 - Spill prevention and response
 - Maintenance procedures
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Exempt from PDMP

- ▶ Invasive Plant Management
 - Resource Conservation Areas
 - Mitigation Areas

Integrated Pest Management

- ▶ Monitor the pest –
- ▶ Control to fit the problem....
- ▶ Feed back data – improve IPM



Exempt from IPM

- ▶ Intrusive Vegetation Control
 - ▶ Invasive Plant Management
 - Resource Conservation Areas
 - Mitigation Areas
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Annual Reports

- ▶ Required for all applications over annual thresholds
 - ▶ Fill-in Form - Download, Email to OEPA
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Permit Schedule

- ▶ Issue Final in October 2011

Questions?

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