

COPY

2008 Annual Group Monitoring Plan

For

**Herbicide Applications to Freshwater Emergent Noxious and
Quarantine Weeds performed under the Noxious Weed National
Pollutant Discharge Elimination System (NPDES) Permit**

DEPARTMENT OF ECOLOGY
JAN 31 2008
WATER QUALITY PROGRAM

Prepared by

Washington State Department of Agriculture

January 2008

Introduction

This monitoring plan is required under the Noxious Weed National Pollutant Discharge Elimination System (NPDES) Waste Discharge General Permit for freshwater emergent plants listed on the Washington State Noxious Weed List or the Washington State Noxious Weed Seed and Plant Quarantine List. Based on a 9th Circuit court decision, the Washington Department of Ecology (DOE) determined that NPDES permits are required for the application of pesticides to “waters of the state” in Washington State.

In consultation with DOE, WSDA has agreed not to collect water samples at aquatic sites where glyphosate and/or imazapyr are used to treat freshwater emergent noxious or quarantine list weeds in 2008. One site from the Yakima River that is treated with triclopyr will be sampled in 2008. Data collected over the life of NPDES Permit Number WAG-993000 are representative of the various methods of applications, location types, and noxious or quarantine list species that will be treated in 2008.

Materials To Be Analyzed

- Triclopyr (i.e. Renovate 3™): 3,5,6-trichloro-2-pyridinyloxyacetic acid, triethylamine salt

Methods For Analysis

EPA publishes laboratory analytical methods that are used by industries and municipalities to analyze the chemical and biological components of wastewater, drinking water, sediment, and other environmental samples that are required by EPA regulations under the authority of the Clean Water Act and the Safe Drinking Water Act. Almost all of these methods are published by EPA as regulations at Title 40 of the Code of Federal Regulations. A laboratory registered or accredited under the provisions of Chapter 173-50 of the WAC, Accreditation of Environmental Laboratories, will prepare all monitoring data. The laboratory selected will be accredited for the parameter being analyzed.

Parameter	Sample volume required	Container	Preservative	Laboratory Holding Time
Triclopyr	500 ml	Brown Glass	Cool, 4° C, dark	4 days

Site Selection for Sampling

Samples will be taken from a randomly selected site in the Yakima River in Yakima County. Contractors treating weeds under WSDA’s permit may be required to assist in

- The sampling bottles will be kept unopened until the moment they are to be filled.
- Suitable air space will be left in the bottle to allow proper mixing of the water sample.
- Samples will be placed in individual plastic bags to prevent cross contamination.

Sampling protocol:

- Immediately prior to treatment, a surface water sample will be collected adjacent to the edge of the infestation to be treated (within one foot of the plants).
- One hour after the entire target infestation is treated; another surface water sample will be collected.
- A final sample will be taken, in approximately the same place as the one-hour sample, 24 hours after treatment.

Attachment A

Signatory Page

I certify under penalty of law, that this document and all attachments were prepared under my direction, or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiries of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Signed by Brad White on January 31, 2008

Brad White, Ph.D.

Pest Program Manager

Washington State Department of Agriculture