

California Regional Water Quality Control Board  
North Coast Region

MONITORING AND REPORTING PROGRAM NO. R1-2005-0044

Waiver of Waste Discharge Requirements

for

Circuit Rider Productions  
Giant Reed Removal and Habitat Restoration in the Russian River Watershed  
Mendocino and Sonoma Counties

Compliance with this Monitoring and Reporting Program is an enforceable condition of Provision (4)(f) of Order No. R1-2005-0044, Waiver of Waste Discharge Requirements for Circuit Rider Productions Giant Reed Removal and Habitat Restoration in the Russian River Watershed Mendocino and Sonoma Counties.

I. MONITORING

A. Visual

For HSAs which have not had their coverage terminated, in accordance with Provision 3 of Order No. R1-2005-044, the Discharger shall conduct the following visual monitoring:

- i) Every two weeks during the tarping season (May-October), the Dischargers shall inspect tarped sites and will make any necessary repairs or adjustments to the tarps. In addition to the specific data to be recorded in the Erosion Control Checklist submitted with the Report of Waste Discharge, the Discharger shall record weather conditions during inspections, any erosion or sedimentation problems observed, and measures taken to correct those problems.
- ii) Following physical removal, the Discharger will inspect physical removal sites monthly during the winter rainy season (from November-April) to ensure that erosion and sediment issues are not developing. In addition to the specific data to be recorded in the Erosion Control Checklist submitted with the Report of Waste Discharge, the Discharger shall record weather conditions during inspections, any erosion or sedimentation problems observed, and measures taken to correct those problems.

B. Water Quality Sampling

Working with Regional Water Board staff, the Discharger shall develop a monitoring program to assess the effectiveness of management measures implemented under the project in order to prevent herbicide discharges to receiving waters. During pre-project site inspections, Regional Water Board staff

and the Discharger will identify potential sampling locations. Characteristics which will be considered in selecting monitoring locations may include, but not be limited to, proximity to receiving waters, observable drainage patterns (if any), size of individual *Arundo* manifestation to be treated, ease in isolating treatment area from other potential sources of herbicide (e.g., adjacent vineyards, lawns, etc.), and landowner willingness.

As monitoring locations are identified, the Discharger will implement sampling activities, which may include sample collection pre-project (during precipitation event(s), if possible), during project, immediately post-project, and during one or more precipitation events following the project, as specified in the monitoring program.

The Discharger will have samples tested for glyphosate and/or possible breakdown products, as specified in the monitoring program.

The exact number of monitoring locations and sampling events needed to evaluate the effectiveness of the Discharger's management measures will depend upon individual project site characteristics; however, the goal of this effort is to adequately assess effectiveness as early as possible in the life of the project and to then reduce future sampling efforts to periodic random "spot checks."

To this end, Regional Water Board staff and the Discharger will periodically review the data accrued, consider the type(s) and number(s) of sites evaluated, and numbers(s) and type(s) of sites still to be treated with herbicides.

If, at any time, glyphosate or its breakdown products are detected in samples collected downstream of any herbicide application site, and the detection cannot be attributed to another source or cause, herbicide applications shall cease, in accordance with the waiver, and the Discharger shall notify Regional Water Board staff by telephone within 24 hours. The Discharger shall then either modify management measures as necessary to prevent further discharges or apply for coverage under the National Pollutant Discharge Elimination System (NPDES) permit for aquatic herbicide applications, prior to resuming further herbicide applications.

## II. REPORTING

### A. Emergency Notifications

In the event of a spill or discharge of herbicides to receiving waters, the Discharger shall notify Regional Water Board staff by telephone within 24 hours of the occurrence, and shall follow up within 7 working days with an investigation report, as described in the Spill Prevention Plan submitted with the Report of Waste Discharge.

B. Monitoring Reports

1. Visual Monitoring Data

On a quarterly basis, by January 15, April 15, July 15, and October 15 of each year, the Discharger shall submit a monitoring report for the previous quarter. The monitoring report shall include copies of the bi-weekly site inspection reports and a summary of any problem(s) identified and corrective measure(s) taken.

2. Water Quality Sampling Data

a. Laboratory Reports

Within 7 days of receiving laboratory reports for individual sampling events, the Discharger shall submit a copy of the report to Regional Water Board staff.

b. Post-Sampling Summary and Evaluation

Following all sample collection at a given effectiveness monitoring site (pre-, during, and post-project sampling), the Discharger shall prepare a report that provides a description of the site, the *Arundo* eradication/herbicide application activities at the site (timing, volume, location, management measures used, etc.), and a summary of the monitoring data; an evaluation of the monitoring results, assessing effectiveness of BMPs at that site; and a cumulative assessment of the effectiveness data to date.

As the Discharger completes these reports, the Discharger shall submit completed reports with the next regularly scheduled quarterly monitoring report.

C. Project Reports

As available, the Discharger shall submit to Regional Water Board staff a copy of the CRP monitoring reports, as mentioned in the Report of Waste Discharge.

Ordered by \_\_\_\_\_

Catherine E. Kuhlman  
Executive Officer

June 22, 2005