

California Regional Water Quality Control Board
North Coast Region

AMENDMENT

TO

MONITORING AND REPORTING PROGRAM NO. R1-2005-0044

for

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

On June 22, 2005, the California Regional Water Quality Control Board, North Coast Region (hereinafter Regional Water Board), adopted Order No. R1-2005-0043, Waiver of Waste Discharge Requirements (Waiver) for Circuit Rider Productions Inc. Giant Reed Removal and Habitat Restoration in the Russian River Watershed (hereinafter Project). Concurrently, the Regional Water Board adopted Monitoring and Reporting Program Order No. R1-2005-0044 (hereinafter MRP) as an enforceable condition of the Waiver.

Circuit Rider Productions Inc. (hereinafter Discharger) has requested an amendment to the Waiver in order to use imazapyr-based herbicides registered for aquatic use in California, such as Habitat®. Therefore, the Waiver and the MRP are being amended concurrently to reflect the proposed additional herbicide to be used as part of the Project. The MRP is being revised to include imazapyr in the water quality sampling requirements and to include additional project reporting requirements.

IT IS HEREBY ORDERED that the MRP Order No. R1-2005-0044 be amended as follows— additions are underlined, deletions are in ~~strikeout~~:

I. MONITORING

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, imazapyr, 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, imazapyr, or their 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.

The following language shall amend part II(C) for the MRP Order No. R1-2005-0044 for the Waiver – additions are underlined, deletions are in strikeout:

II. REPORTING

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.~~ By January 15 of any given year, the Discharger shall submit an Annual Project Report detailing the work completed during the previous year. The Annual Project Report shall include, but may not necessarily be limited to, the following information:

- i. Hydrologic subareas (HSA) where *Arundo* treatment occurred;
- ii. Estimates of total acreage treated per HSA;
- iii. Treatment methods conducted (physical removal, tarping, and herbicide treatment) per HSA;
- iv. Amount and type of herbicide applied per HSA;
- v. General findings regarding effectiveness of past treatment efforts;
- vi. Amount of native plant revegetation implemented;
- vii. Any other pertinent information (aerial overflights, infestation coverage, upcoming efforts, outreach events conducted, etc.)

Compliance with this MRP is an enforceable condition of Provision (4)(f) of the Waiver, as well as all amendments to the Waiver subsequently approved by the Regional Water Board.

Ordered by _____
Catherine E. Kuhlman
Executive Officer

June 14, 2007

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