

California Regional Water Quality Control Board  
North Coast Region

MONITORING AND REPORTING PROGRAM NO. R1-2006-0086

FOR

SONOMA COUNTY WATER AGENCY  
LAGUNA DE SANTA ROSA  
*LUDWIGIA* REMOVAL PROJECT

Sonoma County

**INTRODUCTION**

This Monitoring and Reporting Program (MRP) is issued pursuant to 13267(b) and requires monitoring of visual and physical parameters and submission of technical reports to allow North Coast Region Water Quality Control Board (Regional Water Board) staff to determine compliance with permit and basin plan standards.

**VISUAL MONITORING**

The Discharger shall conduct daily visual surface inspections of all designated dredging areas including: 1) Overall visual record of the site including the approximate percent of vegetative coverage, appearance of vegetation, signs and appearance of wildlife, etc; 2) Appearance of designated waterway such as sheen, color, clarity, etc; and; 3) Current weather conditions and abiotic factors which may directly affect water quality. Results of the visual monitoring shall be recorded in a log book and retained for review by Regional Water Board staff.

**CHEMICAL & PHYSICAL SURFACE WATER MONITORING**

The purpose of chemical and physical surface water monitoring is to determine compliance with quality objectives for surface water within and immediately surrounding the dredging area. The chemical and physical surface water monitoring program shall be as follows:

**1. Monitoring Locations**

The monitoring locations shall be representative of conditions within and immediately surrounding designated dredging areas. According to the Discharger, four sample locations have been designated for sampling. WQ1 is immediately upstream of the treatment area at the railroad tracks, WQ2 is immediately upstream of the treatment area near the confluence of Gossage Creek, Hinebaugh Creek, and the main Laguna channel, WQ3 is within the treatment area upstream from the confluence of the Bellevue-Wilfred channel and the main Laguna channel, and WQ4 is located immediately downstream of the treatment area in the main Laguna channel. Additional monitoring sites shall be added to the monitoring network as needed. Samples shall be collected for physical parameters specified in Table 1 and chemical constituents specified in Table 2.

## 2. Monitoring Schedule

Event monitoring shall comply with the parameters, constituents, methods, and frequencies established in Table 1 and Table 2 listed below. In the event that Regional Water Board staff will require the use of the continuous monitoring equipment (YSI 6600 Datasondes) for additional sampling efforts not associated with the *Ludwigia* Removal Project, the Laguna Foundation shall supplement the continuous monitoring requirements listed in Tables 1 and 2 with the methods and frequencies listed in Table 3 below.

Surface water samples shall be analyzed for the following physical parameters:

**Table 1: Surface Water Monitoring - Physical Parameters**

Parameter	Type of Sample	Lab Method	Location	Frequency
Temperature	Continuous	Field Testing	WQ4	Continuous: pre-project through mechanical removal and two weeks thereafter
Specific Conductivity	Continuous	Field Testing	WQ4	Continuous: pre-project through mechanical removal and two weeks thereafter
Roaming Turbidity	Grab	Field Testing	WQ4	Daily: once prior to mechanical removal, once after mechanical removal

Surface water samples shall be analyzed for the following chemical constituents:

**Table 2: Surface Water Monitoring - Chemical Constituents**

Constituent	Type of Sample	Lab Method	Location	Frequency
pH	Continuous	Field Testing	WQ4	Continuous: pre-project through mechanical removal and two weeks thereafter
Dissolved Oxygen (DO)	Grab	Field Testing	WQ1, WQ2, WQ3, WQ4	<ul style="list-style-type: none"> <li>• Weekly during mechanical removal (WQ1,2,3,4)</li> <li>• 3-7 days after removal (WQ3,4)</li> </ul>
Dissolved Oxygen (DO)	Continuous	Field Testing	WQ4	Continuous: pre-project through mechanical removal and two weeks thereafter

Surface water samples shall be analyzed for the following parameters and constituents:

**Table 3: Surface Water Monitoring – Supplement for Continuous Monitoring Requirements (To be used exclusively when YSI 6600 Datasondes are not available.)**

Parameter or Constituent	Type of Sample	Lab Method	Location	Frequency
Temperature	Grab	Field Testing	WQ4	Every 4 hours during operation
pH	Grab	Field Testing	WQ4	Every 4 hours during operation
Dissolved Oxygen (DO)	Grab	Field Testing	WQ4	Every 4 hours during operation
Specific Conductivity	Grab	Field Testing	WQ4	Every 4 hours during operation

### ANNUAL REPORT

The Discharger shall submit an annual report to the Regional Water Board by March 1<sup>st</sup> of the following year. The report shall include, at a minimum, the following:

1. *A Letter of Transmittal:* Each report shall be submitted with a letter of transmittal. This letter shall include the following:
  - a. Identification: Name, address, and WDID No. 1B06082WNSO;
  - b. Date of report and monitoring period;
  - c. Identification of all violations of permit conditions during the monitoring period;
  - d. Details of any violations: parameters, magnitude, test results, frequency, and dates;
  - e. The cause of violation;
  - f. Discussion of corrective actions taken or planned to resolve violations and prevent recurrence, and dates or time schedule of action implementation;
  - g. Authorized signature and certification statement: “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 gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the 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 fine and imprisonment for knowing violations.”
  
2. *Results of Analyses and Observations*
  - a. Visual observations within and immediately surrounding the treatment site including the success rate for the revegetation of the channel bank;

- b. Tabulations of all required analyses, including parameter and/or constituent, sample date and time, sample station, sampling agency or organization and test result;
- c. Photographs of sampling locations, pre/post project sites, and of revegetation or seeding.

3. *Report Submittal*

Copies of each monitoring report shall be mailed to:

North Coast Regional Water Quality Control Board  
5550 Skylane Boulevard, Suite A  
Santa Rosa, CA 95403

Failure to comply with the terms of this Order may result in civil liabilities of up to \$5,000 per day under Water Code section 13268(a)(b)&(d)(1), or misdemeanor prosecution under Water Code Section 13268(c)&(d)(2).

Any person affected by this action of the Regional Water Board may petition the State Water Resources Control Board (State Water Board) to review the action in accordance with Section 13320 of the California Water Code and Title 23, California Code of Regulations, Section 2050. The petition must be received by the State Water Board within 30 days of the date of this Order. Copies of the law and regulations applicable to filing petitions will be provided upon request. In addition to filing a petition with the State Water Board, any person affected by this Order may request the Regional Water Board to reconsider this Order. To be timely, such request must be made within 30 days of the date of this Order. Note that even if reconsideration by the Regional Water Board is sought, filing a petition with the State Water Board within the 30-day period is necessary to preserve the petitioner's legal rights. If you choose to appeal this Order, be advised that you must comply with this Order while your appeal is being considered.

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



Catherine E. Kuhlman  
Executive Officer

August 8, 2006