



*An employee-owned company*

April 17, 2006

Dr. Earl Chilton  
Texas Parks and Wildlife Department  
4200 Smith School Road  
Austin, Texas 78744

Re: Proposed Herbicide Use Notice for Lake Houston

Dear Dr. Chilton and Interested Parties,

This is a notice of proposed herbicide use on Lake Houston, as described in the enclosed treatment proposal. Following is the label information for Aquamaster and Reward Herbicides. Coastal Water Authority and PBS&J have reviewed the document: "Aquatic Vegetation Management in Texas: A Guidance Document". Due to the lack of control alternatives for water hyacinth, we believe the treatment method proposed is consistent with the principals of integrated pest management § 57.932(a)(2) of TPWD rules and guidance document.

PBS&J has been contracted by Coastal Water Authority (CWA) to manage nuisance aquatic vegetation on Lake Houston. McIlvain Enterprises Inc. (MEI) (TDA license no. 253431) will continue to provide herbicide application. Application methods and chemicals will be the same as those used under the previously approved treatment proposal submitted October 19, 2005. Please find attached:

- 1.) Aquatic Vegetation Treatment Proposal for the 2006 Spring/Summer treatment season
- 2.) Proposed Treatment Location Map
- 3.) Internet Links for Herbicide Specimen Label Information
- 4.) Previous 2005 Aquatic Vegetation Treatment Proposal

The Texas Commission on Environmental Quality, Drinking Water Section has been recently contacted to confirm the list of all public potable water intakes located on Lake Houston. Recent investigations have confirmed no new intake structures have been constructed since the last treatment proposal filed in October 2005. All of the potable water intake structures identified are located near the Lake Houston dam and are well beyond two miles of the proposed treatment areas.

All individuals identified on the State Aquatic Vegetation Plan Herbicide Use Notification List for Lake Houston will be provided with the information included in this letter.

The proposed application will not result in exceeding the maximum contaminant level of the herbicide in finished drinking water as set by TNRCC and EPA. Concentration levels for active ingredients in Aquamaster and Reward were determined to be well below MCL's using the proposed application rate of 3 quarts per surface acre (0.75%).

Additional active adjuvants of Aqua-King and/or Thoroughbred are also proposed to be applied with the herbicide to maximize herbicide efficacy. Application rates of these adjuvants will be less than a 1 percent ratio (approximately 0.625%) and will function as surfactants. No MCL's have been established for the active ingredients identified within these surfactants therefore, the application rate will comply and not exceed specimen label recommendations.

Herbicide application on Lake Houston is scheduled to resume 14 days from the date posted on this letter and is to be applied on an as-needed basis.

If you have any questions, please feel free to call me at 281-493-5100. Thank you for your time and consideration.

Sincerely,

Marty Heaney  
Senior Scientist

# Aquatic Vegetation Treatment Proposal

A **map of the water body** with proposed treatment sites indicated should be **attached**.  
 A **separate form** should be filled out for **each plant species treated**.

Water Body Name: Lake Houston      **Submission Date:**\* 04-17-06

Date Surveyed: 03-30-06      Proposed Treatment Date: 05-01-06

Target Plant Species: Water hyacinth, water lettuce and giant salvinia      Estimated Acres: 500

Recommended Treatment: Mechanical (  ), Biological (  ), Chemical (  ).

Tier   II  

Method of Treatment: Herbicide application by boom and hand-held spray by boat

Applicator Name: Lanny McIlvain (MEI)

TDA Applicator License Number (if applicable): 253431

## Floating or Emergent Vegetation:

Treatment Location	Relative Surface Coverage	Treatment Area (acres)	Treatment Rate/type (organisms, gals., lbs./acre, harvested or shredded)	Total (organisms, gals., lbs., acres, harvested or shredded)	Mean Water Depth
Lake Houston	500	11,000	Aquamaster 3 qts./ac (0.75%) or	500 gal.	2 feet
			Reward 3 qts/ac (0.75%)		
<b>Total</b>					

## Submerged Vegetation:

Treatment Location	Relative Surface Coverage	Treatment Area (acres)	Treatment Rate/type (organisms, gals., lbs./acre, harvested or shredded)	Total (organisms, gals., lbs., acres, harvested or shredded)	Mean Water Depth
<b>Total</b>					

Comments: \_\_\_\_\_

- Proposals are good for six months from the date of submission, **unless application plans change**.

**Reward:**

MSDS:

[http://www.syngentaprofessionalproducts.com/pdf/msds/03\\_25071.pdf](http://www.syngentaprofessionalproducts.com/pdf/msds/03_25071.pdf)

Label: <http://www.syngentaprofessionalproducts.com/labels/Index.asp?nav=PrdLst&F=PrdDsp>

**Aquamaster:**

MSDS:

[http://www.afpmb.org/pubs/standardlists/msds/6840-01-356-8893\\_msds\\_aquamaster.pdf](http://www.afpmb.org/pubs/standardlists/msds/6840-01-356-8893_msds_aquamaster.pdf)

Label:

[http://www.monsanto.com/monsanto/us\\_ag/content/crop\\_pro/aquamaster/label.pdf](http://www.monsanto.com/monsanto/us_ag/content/crop_pro/aquamaster/label.pdf)

**Sonar A S:**

MSDS:

[http://www.sepro.com/pdf\\_lit/aquatics/sonar/SonarAS\\_MSDS.pdf](http://www.sepro.com/pdf_lit/aquatics/sonar/SonarAS_MSDS.pdf)

Label:

[http://www.sepro.com/pdf\\_lit/aquatics/sonar/SonarAS\\_Label.pdf](http://www.sepro.com/pdf_lit/aquatics/sonar/SonarAS_Label.pdf)

**Sonar SRP:**

MSDS:

[http://www.sepro.com/pdf\\_lit/aquatics/sonar/Sonar\\_SRP\\_MSDS.pdf](http://www.sepro.com/pdf_lit/aquatics/sonar/Sonar_SRP_MSDS.pdf)

Label:

[http://www.sepro.com/pdf\\_lit/aquatics/sonar/Sonar\\_SRP\\_Label.pdf](http://www.sepro.com/pdf_lit/aquatics/sonar/Sonar_SRP_Label.pdf)

**Thoroughbred:**

MSDS:

<http://www.estesinc.com/specs/thoroughbredmsds.pdf>

Label:

<http://www.estesinc.com/specs/thoroughbredspec.pdf>

**Aqua-King Plus:**

MSDS:

<http://www.estesinc.com/specs/aquakingmsds.pdf>

Label:

<http://www.estesinc.com/specs/aquakingspec.pdf>