



Laboratories, Inc.

FORT LAUDERDALE • SAVANNAH

Water Management Technologies
1510 S. W. 13th St.
Ft. Lauderdale, FL 33312

Dear Mr. O'Hare:

Evaluation of the test results performed for Water Management Technologies on March 26, 2001 we have found that the Scavenger 2000 using its patented Oxy-Plus system along with its aeration system is an effective treatment for contaminated surface waters.

Monday afternoon the vessel was powered to a polluted site in a Fort Lauderdale canal. Two untreated samples were taken. Two additional samples were taken, 1) immediately after treatment and 2) after several passes. Microscopic analysis by Dr. Andrew Rogerson of Nova Southeastern University was performed without his knowledge of sample origin (blind study).

Samples were taken at the following locations and approximate times and conditions:

1. Las Olas Hendricks Isle canal- the sample was taken directly from the surface of the canal at 1:30 p.m.
2. The first sample was taken from the sampling port of the water analysis system on board the vessel immediately after treatment.
3. The second sample was taken directly from the surface of the water of the canal in another untreated section of the canal.
4. This sample was taken after several passes.
5. The approximate flow rate was 36,487 Liters per Minute in treatment area at engine RPM of 1100.
6. Water temperature was 78 degrees.

A direct microscopic examination was conducted at the NSU microbiology laboratories for algae and culturing for bacterial analyses was performed. The following are the results from the direct examination and culturing.

Sample 1. Results of Bacterial Analysis

	Surface Sample	Treated Sample	% of reduction after treatment
Total Bacteria	120	65	48
Total Coliform	30	20	33
Algae	4*	2*	50

Sample 2.

	Surface Sample	Treated Sample	% of reduction after treatment
Total Bacteria	120	40	67
Total Coliform	30	10	67
Algae	4*	1*	75

These results show that the combined oxidation treatment of your vessel did effectively reduce the numbers of undesirable bacterial and algae species present in the surface waterway samples. It was noted that the clarity of the water samples increased significantly after treatment. These positive results demonstrate that your water decontamination vessel is an effective tool in improving contaminated bodies of water. Supporting documentation for these tests is available from Spectrum Laboratories and Nova Southeastern University on request.

Please contact me if you have any further questions.

Sincerely,



Donald S. McCorquodale, Jr., Ph.D.

President/Microbiologist

Affiliated Faculty – Oceanography – Nova Southeastern University