



**King County**  
**Wastewater Treatment Division**  
South Treatment Plant  
1200 Monster Road Southwest  
Renton, WA 98055

DEPARTMENT OF ECOLOGY  
NOV 15 2006  
WATER QUALITY PROGRAM

November 13, 2006

Joyce Smith  
Washington Department of Ecology  
Water Quality Program – Industrial Stormwater  
P.O. Box 47696  
Olympia, WA 98504 - 7696

Subject: 2006 Status Report: July, August and September  
Stormwater Treatment System, King County's South Treatment Plant  
Permit Number #SO3-002511

Dear Ms. Smith,

Samples were not collected this quarter due to a lack of rain, and the need to send collected stormwater to the Wastewater Treatment Plant in order to repair the stormwater treatment system.

July and August 2006 were very dry months, with only 0.08-inches of total rainfall. These two months were probably one of the driest July-August on record. In fact, the maximum 24-hour rainfall during these two months was only 0.03-inches. Thus, there was essentially no runoff to the stormwater wetponds during these months.

Rains finally started to come back in Sept. 2006, with 1.43-inches of total rainfall and a maximum 24-hour rainfall of 0.39-inches. However, on August 29, the discharge from the pumps in the stormwater wet well was routed to the wastewater treatment plant influent sewer. This rerouting away from the wetponds was necessary to prepare for work on the "leak mitigation project". Thus, no flow went to the wetponds in Sept. 2006 and no samples were collected.

The leak mitigation project is necessary to stabilize the pond embankments of Wetponds 1 through 6. These ponds were constructed along a steep slope with construction fill and native soils. There has been a history of leakage in the ponds, limiting their use for stormwater treatment as well as jeopardizing the stability of the hillside. The leaks primarily exist on the eastern or downslope perimeters of the ponds. The following list summarizes the repair work scheduled for Wetponds 1 through 6. This work is expected to be completed by winter 2006

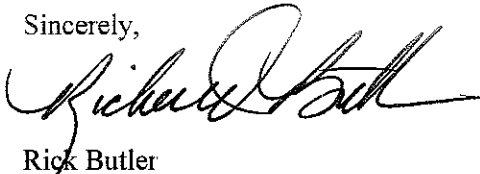
- ☐ Wetpond 1: a curtain drain and existing retaining wall are being extended to provide better slope stability using vinyl sheet piling
- ☐ Wetponds 2 & 3: sheet-piling will be constructed across the top of the embankment to prevent further animal burrowing. The existing irrigation system will be removed to prevent water from traveling along the lines of the system. The pond's eastern berm will be compacted.

- ☐ Wetponds 4 and 5: sheet-piling will be inserted across the tops of the ponds embankments to prevent further animal burrowing.
- ☐ Wetpond 6: King County may construct a mechanically stabilized earthen wall and re-landscape the slope this winter as weather permits.

King County Maintenance will also be replacing a submersible pump in the Stormwater Pump Station while the wetpond repairs are completed. After pond embankment repairs are completed, and the submersible pump is replaced, stormwater will be routed back to the wetponds for treatment. Maintenance also plans to rebuild the circulating pump that sends water from Wetpond 11 to Wetpond 1 during this time.

Please feel free to contact me with any questions or concerns.

Sincerely,



Rick Butler  
Process Control Supervisor  
King County South Plant, Renton WA  
206-6874-2460

DEPARTMENT OF ECOLOGY  
NOV 15 2005  
WATER QUALITY PROGRAM

**S03-002511C INDUSTRIAL STORMW A TER  
GENERAL PERMIT DISCHARGE MONITORING  
REPORT**

DEPARTMENT OF ECOLOGY

NOV 15 2006

WATER QUALITY PROGRAM

MONITORING PERIOD for (year/quarter):

year

Jan/Feb/Mar

Apr/May/Jun

Jul/Aug/Sep

Oct/Nov/Dec

**Facility/Site Information KING**

COUNTY SOUTH TREATMENT PLANT Location:  
1200 MONSIEUR RD SW  
County: KING

**Mailin2 Information KING**

COUNTY SOUTH TREATMENT PLANT 1200  
MONSIEUR RD SW  
RENTON WA 98055-2962

Primary SIC Code: 4952

You must send a Discharge Monitoring Report (DMR) to Ecology every quarter. If there was no discharge or you have suspended sampling because of consistent attainment of benchmark values, mark the appropriate boxes and send the DMR to Ecology. Please read the instructions before completing the DMR.

Discharge Point P1 Channel of Springbrook Creek						
There was no qualifying storm event this quarter so no values are entered below (see explanation)						
Quarterly Monitoring		AVERAGE	MAXIMUM	UNITS	Sample Type	Events Sampled
Turbidity	Consistent Attainment			NTU		
pH	Consistent Attainment			Standard Units		
Zinc (total)	Consistent Attainment			µg/L		
Oil & Grease	Consistent Attainment			mg/L	Grab	

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND I BELIEVE THE INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE RCW 9A.02.010 AND 9A.02.030 (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000.00 AND OR Maximum IMPRISONMENT OF

BETWEEN SIX MONTHS AND FIVE YEARS.

*Michael P. Fischer* FOR M. Fischer

11 13 06

Michael P. Fischer / East Section Manager  
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER (TYPED OR PRINTED)

MO: DAY: YEAR:

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE NUMBER (206) 684-2400

COMMENTS (EXPLANATIONS)