

Hermon Car Wash
Attn: Steve Thomas
Thomas Property Management
585 Blackstream Road
Hermon, Maine 04401

January 31, 2008

RE: Permit Compliance System (PCS) Tracking Number # MEU508234
Maine Waste Discharge License (WDL) Application # W008234-5S-B-M
Minor Revision

Dear Mr. Thomas:

Enclosed please find a copy of your **final** Maine WDL **minor revision** which was approved by the Department of Environmental Protection. Please read the minor revision and its attached conditions carefully. You must follow the conditions in the order to satisfy the requirements of law. Any discharge not receiving adequate treatment is in violation of State Law and is subject to enforcement action.

If you have any questions regarding this matter, please feel free to call me at 287-7658.

Sincerely,

Gregg Wood
Division of Water Quality Management
Bureau of Land and Water Quality

Enc. James Sohns, DEP/EMRO
Lori Mitchell, DEP/CMRO
Sandy Lao, USEPA

IN THE MATTER OF

HERMON CAR WASH)	PROTECTION AND IMPROVEMENT
HERMON, PENOBSCOT COUNTY, MAINE)	OF WATERS
COMMERCIAL CAR WASH)	WASTE DISCHARGE LICENSE
MEU508234)	
#W008234-5S-B-M)	MINOR REVISION
APPROVAL)	

Pursuant to the provisions of Maine Law 38 M.R.S.A., Section 414-A et seq., and applicable regulations, the Department of Environmental Protection ("Department") has considered the minor revision request by the HERMON CAR WASH, with its supportive data, agency review comments, and other related materials on file and FINDS THE FOLLOWING FACTS:

MINOR REVISION REQUESTED

The licensee has requested the Department consider modifying the monitoring requirements for all the parameters in Special Condition A, *Effluent Limitations and Monitoring Requirements*, of WDL #W008234-5S-A-N, issued by the Department on June 26, 2006. The licensee's request is based on the following statement in footnote #1 of Special Condition A of said license;

“The licensee shall monitor and report Outfall #001 parameters monthly. After an initial 18 months of operation, the measurement frequency of monitoring may be modified upon request by the licensee unless the Department finds that more frequent monitoring is warranted based on the initial 18 months of data from the operation of the system.”

MINOR REVISION SUMMARY

This minor revision modifies the monitoring requirements as follows:

- 1) Reduces the monitoring frequencies for toluene, ethylbenzene, xylene, zinc, chromium, lead and chlorides from 1/Month to 1/Year.
- 2) Reduces the monitoring frequencies for specific conductance, temperature, MTBE, DRO, GRO and benzene from 1/Month to 1/Quarter.

CONCLUSIONS

BASED on the findings in the attached Fact Sheet dated January 31, 2008, and subject to the Conditions listed below, the Department makes the following conclusions:

1. The discharge, either by itself or in combination with other discharges, will not lower the quality of any classified body of water below such classification.
2. The discharge, either by itself or in combination with other discharges, will not lower the quality of any unclassified body of water below the classification which the Department expects to adopt in accordance with state law.
3. The provisions of the State's antidegradation policy, 38 MRSA Section 464(4)(F), will be met, in that:
 - (a) Existing groundwater water uses and the level of water quality necessary to protect and maintain those existing uses will be maintained and protected;
 - (b) Where high quality waters of the State constitute an outstanding national resource, that water quality will be maintained and protected;
 - (c) The standards of classification of the receiving water body are met or, where the standards of classification of the receiving water body are not met, the discharge will not cause or contribute to the failure of the water body to meet the standards of classification;
 - (d) Where the actual quality of any classified receiving water body exceeds the minimum standards of the next highest classification, that higher water quality will be maintained and protected; and
 - (e) Where a discharge will result in lowering the existing quality of any water body, the Department has made the finding, following opportunity for public participation, that this action is necessary to achieve important economic or social benefits to the State.
4. The discharge will be subject to effluent limitations that require application of best practicable treatment.

ACTION

THEREFORE, the Department APPROVES the minor revision of WDL #W008234-5S-A-N issued by the Department on June 26, 2006 to the HERMON CAR WASH for the discharge up to 1,000 gallons per day of treated waste waters to the soil above groundwater, Class GW-A, via a subsurface wastewater disposal system SUBJECT TO THE FOLLOWING CONDITIONS, and all applicable standards and regulations including:

1. "*Standard Conditions of Industrial Discharge Licenses,*" revised August 14, 1996, copy attached to the 6/26/06 WDL cited above.
2. The attached Special Conditions, including any effluent limitations and monitoring requirements.
3. All other terms and conditions in the 6/26/06 WDL not modified by this minor revision remain in effect and enforceable.
4. This minor revision **expires on June 26, 2011**, concurrent with the 6/26/06 WDL.

DONE AND DATED AT AUGUSTA, MAINE, THIS 31st DAY OF January, 2008.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: _____
David P. Littell, Commissioner

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of the request January 22, 2008.

Date of acceptance of the request January 25, 2008.

Date filed with Board of Environmental Protection _____.

This Order prepared by GREGG WOOD, BUREAU OF LAND & WATER QUALITY

SPECIAL CONDITIONS

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. Beginning the effective date of this minor revision, the licensee is authorized to discharge treated process waste water from **Outfall #001** to groundwater, Class GW-A. **Outfall #001** is defined as monitoring port in the discharge line from the Mycelex filters prior to the subsurface leachfield discharge. Such discharges to the leachfield shall be limited and monitored by the licensee as specified below:

Effluent Characteristic	Discharge Limitations(as specified)	Minimum Monitoring Requirements(as specified)	
		Measurement Frequency	Sample Type
	Monthly Average		
Flow [50050]	1,000 GPD ⁽²⁾ [03]	1/Month ⁽¹⁾ [01/30]	Measure [MS]
Specific Conductance [00094]	Report, uhmos/cm [11]	1/Quarter ⁽¹⁾ [01/90]	Grab [GR]
Temperature [00011]	Report, degree Fahrenheit [15]	1/Quarter ⁽¹⁾ [01/90]	Grab [GR]
MTBE ⁽³⁾ [22417]	35 ug/l [28]	1/Quarter ⁽¹⁾ [01/90]	Grab [GR]
Benzene ⁽³⁾ [34030]	5 ug/l [28]	1/Quarter ⁽¹⁾ [01/90]	Grab [GR]
Toluene ⁽³⁾ [34010]	1,000 ug/l [28]	1/Year ⁽¹⁾ [01/YR]	Grab [GR]
Ethylbenzene ⁽³⁾ [78113]	700 ug/l [28]	1/Year ⁽¹⁾ [01/YR]	Grab [GR]
Xylene (total) ⁽³⁾ [81551]	10,000 ug/l [28]	1/Year ⁽¹⁾ [01/YR]	Grab [GR]
DRO ⁽³⁾ [no code available]	50 ug/l [28]	1/Quarter ⁽¹⁾ [01/90]	Grab [GR]
GRO ⁽³⁾ [no code available]	50 ug/l [28]	1/Quarter ⁽¹⁾ [01/90]	Grab [GR]
Zinc [01092]	5 mg/L [19]	1/Year ⁽¹⁾ [01/YR]	Grab [GR]
Chromium [01034]	100 ug/L [28]	1/Year ⁽¹⁾ [01/YR]	Grab [GR]
Lead [01051]	15 ug/L [28]	1/Year ⁽¹⁾ [01/YR]	Grab [GR]
Chlorides [00940]	250 mg/L [19]	1/Year ⁽¹⁾ [01/YR]	Grab [GR]
pH [00400] ⁽²⁾	6.0-9.0, S.U. [12]	---	---

The italicized numeric values bracketed in the table above and the table that follows are code numbers that Department personnel utilized to code the monthly Discharge Monitoring Reports.

Sampling—All effluent monitoring shall be representative of waste water effluent characteristics. Any change of sampling location must first be approved by the Department in writing. Sampling and analysis shall be in accordance with (a) methods approved by CFR 40 Part 136, b) alternative methods approved by the Department in accordance with the procedures in 40 CFR Part 136, or (c) as otherwise approved by the Department. Samples that are sent out for analysis shall be analyzed by a laboratory certified by the State of Maine’s Department of Human Services.

Footnotes:

1. The licensee shall monitor and report Outfall #001 parameters at the frequencies specified above.
2. Flow shall be calculated as follows: The total discharge by liquid (gallons) measure during the calendar month divided by the number of days in the month that the facility was operating. No specific pH sampling is required by this licensing action, however, the licensee may be required to demonstrate that the pH of the effluent remains between 6.0 and 9.0 standard units, at any time.
3. MTBE, DRO, and GRO are possible constituents in the wastewater flow treated by the system and are compounds that are defined respectively as “Methyl-Tertiary-Butyl-Ether, Diesel-Range-Organics, and Gasoline-Range-Organics”. In the event that sampling detects levels of these parameters exceeding their respective numeric limits, the licensee shall conduct additional testing to include EPA test method 8260 and 8270 for the presence and extent of semi-volatile and volatile organic compounds.

MAINE WASTE DISCHARGE LICENSE

FACT SHEET

Date: January 31, 2008

PERMIT COMPLIANCE SYSTEM TRACKING NUMBER: **MEU508234**

LICENSE NUMBER: **W-008234-5S-B-M**

NAME AND MAILING ADDRESS OF APPLICANT:

**HERMON CAR WASH
Attn: Steve Thomas
Thomas Property Management
585 Blackstream Road
Hermon, Maine 04401**

NAME AND ADDRESS OF FACILITY WHERE DISCHARGE OCCURS:

**HERMON CAR WASH
State Route 2
Hermon, Maine**

COUNTY WHERE FACILITY DISCHARGE OCCURS: **Penobscot County**

RECEIVING WATER/ CLASSIFICATION: **Groundwater/Class GW-A**

COGNIZANT OFFICIAL AND TELEPHONE NUMBER: **Mr. Steve Thomas
(207) 848-3381**

1. MINOR REVISION REQUESTED

The licensee has requested the Department consider modifying the monitoring requirements for all the parameters in Special Condition A, *Effluent Limitations and Monitoring Requirements*, of WDL #W008234-5S-A-N, issued by the Department on June 26, 2006. The licensee's request is based on the following statement in footnote #1 of Special Condition A of said license;

"The licensee shall monitor and report Outfall #001 parameters monthly. After an initial 18 months of operation, the measurement frequency of monitoring may be modified upon request by the licensee unless the Department finds that more frequent monitoring is warranted based on the initial 18 months of data from the operation of the system."

2. MINOR REVISION SUMMARY

This minor revision modifies the monitoring requirements as follows:

- a. Reduces the monitoring frequencies for toluene, ethylbenzene, xylene, zinc, chromium, lead and chlorides from 1/Month to 1/Year.
- b. Reduces the monitoring frequencies for specific conductance, temperature, MTBE, DRO, GRO and benzene from 1/Month to 1/Quarter.

3. BASIS FOR THE MINOR REVISION

The Department has conducted an evaluation of the test results on file since issuance of the 6/26/06 WDL. It is noted that sampling is conducted after filtration but prior to disposal into a sub-surface waste water disposal system. The test results for toluene, ethylbenzene, xylene, zinc, chromium, lead and chlorides are generally one to two orders of magnitude below the monthly average limits established in the 6/26/06 WDL. Therefore, the Department has made a best professional judgment to reduce the monitoring frequencies for these parameters to 1/Year.

For MTBE and benzene, test results submitted to date are less than one order of magnitude below the monthly average limitations and thus have a reasonable potential to exceed the limitations. As for DRO and GRO, the consistency of the test results over time warrants a reduction in the monitoring frequency. Therefore, the Department has made a best professional judgment to reduce the monitoring frequencies for these parameters from 1/Month to 1/Quarter.

For specific conductance and temperature, the 6/26/06 WDL did not establish numeric limitations for these parameters but did establish a monthly average reporting requirement for each. Specific conductance (samples temperature calibrated to 25°C) is considered to be a surveillance level monitoring parameter and is used to track the effectiveness of the filtration system. Upward trends of specific conductance may indicate the filtration system is less effective in treating the waste water and or the need to modify the system to provide best practicable treatment. Therefore, the Department has made a best professional judgment to reduce the monitoring frequencies for both parameters to 1/Quarter which will aid in providing year-round data to determine if trends upward or downward are taking place.

Therefore, pursuant to Special Condition G, *Reopener Clause*, in the 6/26/06 WDL, the Department is modifying the monitoring frequencies as specified in Section 2 of this Fact Sheet.

4. DEPARTMENT CONTACTS

Additional information concerning this minor revision may be obtained from and written comments should be sent to:

Gregg Wood
Division of Water Quality Management
Bureau of Land and Water Quality
Department of Environmental Protection
17 State House Station
Augusta, Maine 04333-0017
E-mail: gregg.wood@maine.gov

Telephone (207) 287-7693