

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
Division of Health Engineering, Station 10
(207) 287-5672 FAX (207) 287-4172

PROPERTY LOCATION		>> Caution: Permit Required -- Attach In Space Below <<	
City, Town, Plantation	AUGUSTA	AUGUSTA Date Permit Issued: <u>4/11/00</u>	4377 TOWN CO&Y
Street or Road	258 RIVERSIDE DRIVE	Local Plumbing Inspector Signature <i>W. R. Smith</i>	\$ <u>100</u> FEE Charged <input type="checkbox"/> Double Fee Charged
Subdivision, Lot #		L.P.I. # <u>859</u>	
OWNER/APPLICANT INFORMATION			
Name (last, first, MI)	O'CONNOR RICHARD		
Mailing Address of	187 RIVERSIDE DRIVE		
<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Applicant	AUGUSTA, MAINE 04330		
Daytime Tel. #	622-3191	Municipal Tax Map # <u>48</u> Lot # <u>1</u>	
Owner or Applicant Statement		Caution: Inspections Required	
I state that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Department and/or Local Plumbing Inspector to deny a Permit.		I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application.	
<i>Richard O'Connor</i> Signature of Owner or Applicant		<i>W. R. Smith</i> Local Plumbing Inspector Signature	
Date		(1st) Date Approved <u>4/11/00</u> (2nd) Date Approved	

PERMIT INFORMATION		
TYPE OF APPLICATION 1. <input checked="" type="checkbox"/> First Time System 2. <input type="checkbox"/> Replacement System Type Replaced: _____ Year Installed: _____ <input type="checkbox"/> Expanded System a. <input type="checkbox"/> One-time exempted b. <input type="checkbox"/> Non-exempted 4. <input type="checkbox"/> Experimental System 5. <input type="checkbox"/> Seasonal Conversion	THIS APPLICATION REQUIRES 1. <input checked="" type="checkbox"/> No Rule Variance 2. <input type="checkbox"/> First Time System Variance a. <input type="checkbox"/> Local Plumbing Inspector Approval b. <input type="checkbox"/> State & Local Plumbing Inspector Approval 3. Replacement System Variance a. <input type="checkbox"/> Local Plumbing Inspector Approval b. <input type="checkbox"/> State & Local Plumbing Inspector Approval 4. <input type="checkbox"/> Minimum Lot Size Variance 5. <input type="checkbox"/> Seasonal Conversion Approval	DISPOSAL SYSTEM COMPONENT(S) 1. <input checked="" type="checkbox"/> Complete Non-engineered System 2. <input type="checkbox"/> Primitive System (graywater & alt toilet) 3. <input type="checkbox"/> Alternative Toilet, specify: _____ 4. <input type="checkbox"/> Non-Engineered Treatment Tank (only) 5. <input type="checkbox"/> Holding Tank, _____ gallons 6. <input type="checkbox"/> Non-engineered Disposal Field (only) 7. <input type="checkbox"/> Separated Laundry System 8. <input type="checkbox"/> Complete Engineered System (2000 gpd or more) 9. <input type="checkbox"/> Engineered Treatment Tank (only) 10. <input type="checkbox"/> Engineered Disposal Field (only) 11. <input type="checkbox"/> Pre-treatment, specify: _____ 12. <input type="checkbox"/> Miscellaneous components
SIZE OF PROPERTY <u>± 0.84</u> <input type="checkbox"/> sq. ft. <input checked="" type="checkbox"/> acres	DISPOSAL SYSTEM TO SERVE 1. <input type="checkbox"/> Single Family Dwelling Unit, No. of Bedrooms: _____ 2. <input type="checkbox"/> Multiple Family Dwelling, No. of Units: _____ 3. <input checked="" type="checkbox"/> Other: <u>CAR WASH-MANUAL</u> SPECIFY	TYPE OF WATER SUPPLY 1. <input type="checkbox"/> Drilled Well 2. <input type="checkbox"/> Dug Well 3. <input type="checkbox"/> Private 4. <input checked="" type="checkbox"/> Public 5. <input type="checkbox"/> Other:
SHORELAND ZONING <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)			
TREATMENT TANK 1. <input checked="" type="checkbox"/> Concrete a. <input checked="" type="checkbox"/> Regular b. <input type="checkbox"/> Low Profile 2. <input type="checkbox"/> Plastic 3. <input type="checkbox"/> Other: _____ CAPACITY <u>1000</u> gallons	DISPOSAL FIELD TYPE & SIZE 1. <input type="checkbox"/> Stone Bed 2. <input type="checkbox"/> Stone Trench 3. <input checked="" type="checkbox"/> Proprietary Device a. <input type="checkbox"/> Cluster array c. <input checked="" type="checkbox"/> Linear b. <input type="checkbox"/> Regular load d. <input checked="" type="checkbox"/> H-20 load 4. <input type="checkbox"/> Other: _____ SIZE <u>900</u> <input checked="" type="checkbox"/> sq. ft. <input type="checkbox"/> lin. ft.	GARBAGE DISPOSAL UNIT 1. <input checked="" type="checkbox"/> No 3. <input type="checkbox"/> Maybe 2. <input type="checkbox"/> Yes >> Specify one below: a. <input type="checkbox"/> Multi-compartment Tank b. <input type="checkbox"/> Tanks in Series c. <input type="checkbox"/> Increase in Tank Capacity d. <input type="checkbox"/> Filter on Tank Outlet	DESIGN FLOW <u>225</u> gallons per day BASED ON: 1. <input type="checkbox"/> Table 501.1 (dwelling unit(s)) 2. <input checked="" type="checkbox"/> Table 501.2 (other facilities) SHOW CALCULATIONS -- for other facilities -- <u>15 GALLONS / CAR</u> <u>K 15 CARS / DAY</u> <u>225 GALLONS PER DAY</u> 3. <input type="checkbox"/> Section 503.0 (meter readings) ATTACH WATER-METER DATA
SOIL DATA & DESIGN CLASS PROFILE CONDITION DESIGN <u>5 1 B 1</u> at Observation Hole # <u>1</u> Depth <u>48</u> " Elevation _____ " OF MOST LIMITING SOIL FACTOR	DISPOSAL FIELD SIZING 1. <input type="checkbox"/> Small -- 2.0 sq. ft./gpd 2. <input checked="" type="checkbox"/> Medium -- 2.6 sq. ft./gpd 3. <input type="checkbox"/> Medium-Large -- 3.3 sq. ft./gpd 4. <input type="checkbox"/> Large -- 4.1 sq. ft./gpd 5. <input type="checkbox"/> Extra Large -- 5.0 sq. ft./gpd	PUMPING 1. <input type="checkbox"/> Not Required 2. <input checked="" type="checkbox"/> May Be Required 3. <input type="checkbox"/> Required >> Specify only for engineered or experimental systems: DOSE: _____ gallons	

SITE EVALUATOR STATEMENT	
I certify that on <u>4/11/00</u> (date) I completed site evaluation on this property and state that the data reported are accurate and that the proposed system is in compliance with the State of Maine Subsurface Wastewater Disposal Rules (10-64A CMR 241).	Date <u>4/19/00</u>
Signature <i>Vaughan L. Smith</i> Site Evaluator Signature	Date
VAUGHAN L. SMITH Site Evaluator Name Printed	Telephone # _____

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering
(207) 287-5672 FAX (207) 287-4172

Town, City, Plantation

Street, Road Subdivision

Owner's Name

AUGUSTA

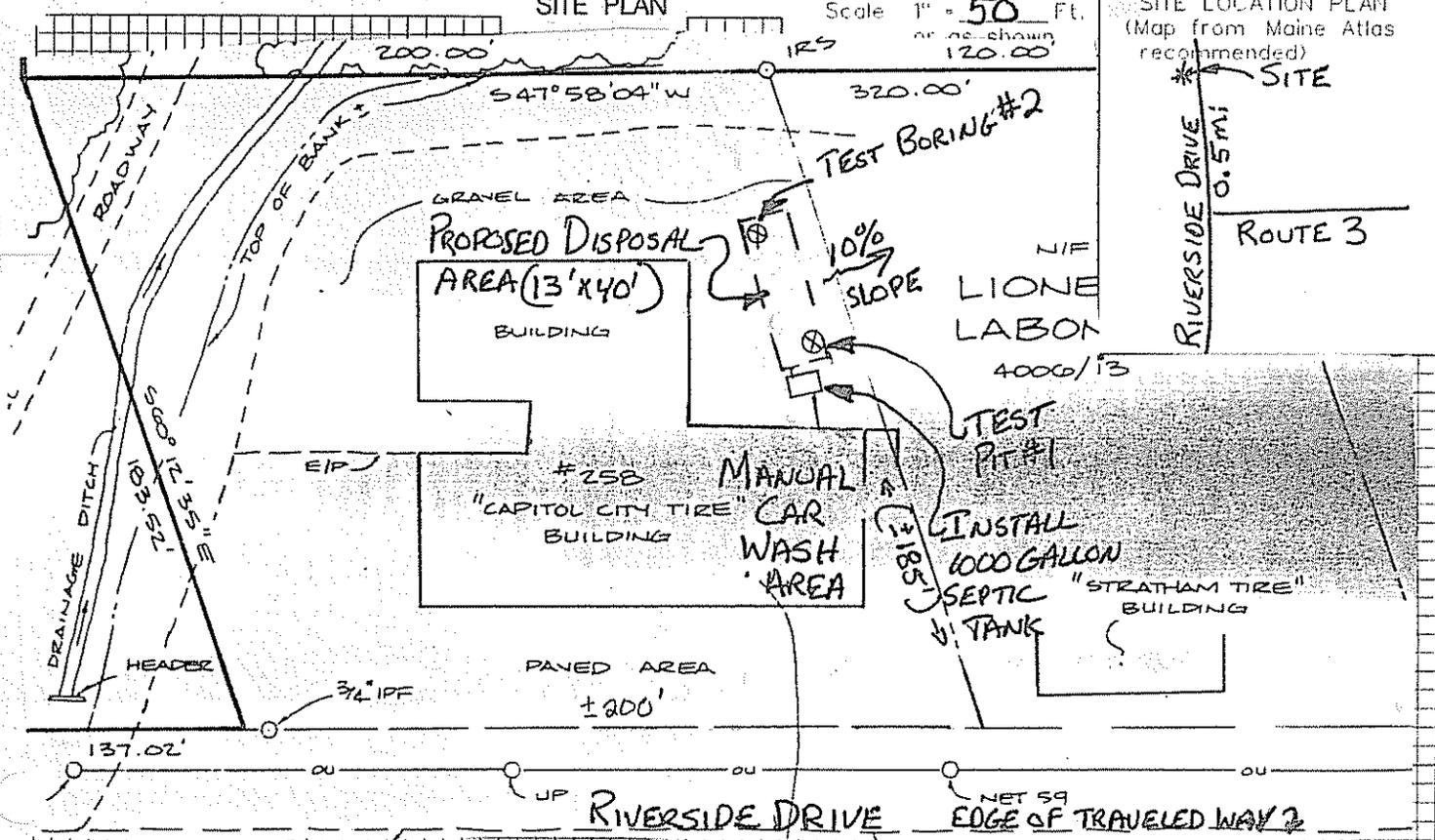
258 RIVERSIDE DRIVE

RICHARD O'CONNOR

SITE PLAN

Scale 1" = 50 Ft.

SITE LOCATION PLAN
(Map from Maine Atlas recommended)



SOIL DESCRIPTION AND CLASSIFICATION (Location of Observation Holes Shown Above)

Observation Hole #1 Test Pit Boring
0" Depth of Organic Horizon Above Mineral Soil

Observation Hole #2 Test Pit Boring
0" Depth of Organic Horizon Above Mineral Soil

Texture	Consistency	Color	Mottling
VERY GRAVELLY SAND		PALE BROWN	
	LOOSE		NONE
			IN 48"
LOAMY SAND	FRIABLE	OLIVE BROWN	

Texture	Consistency	Color	Mottling
VERY COBBLY SAND	LOOSE	LIGHT OLIVE BROWN	
			NONE
			IN 48"
GRAVELLY LOAMY SAND	FRIABLE	OLIVE BROWN	

Soil Classification: S Profile, B Condition, 9 % Slope, Limiting Factor N/A
 Ground Water
 Restrictive Layer
 Bedrock
 Pit Depth

Soil Classification: S Profile, B Condition, 10 % Slope, Limiting Factor N/A
 Ground Water
 Restrictive Layer
 Bedrock
 Pit Depth

Vaughn L. Suto
Site Evaluator Signature

4/10/00
Date

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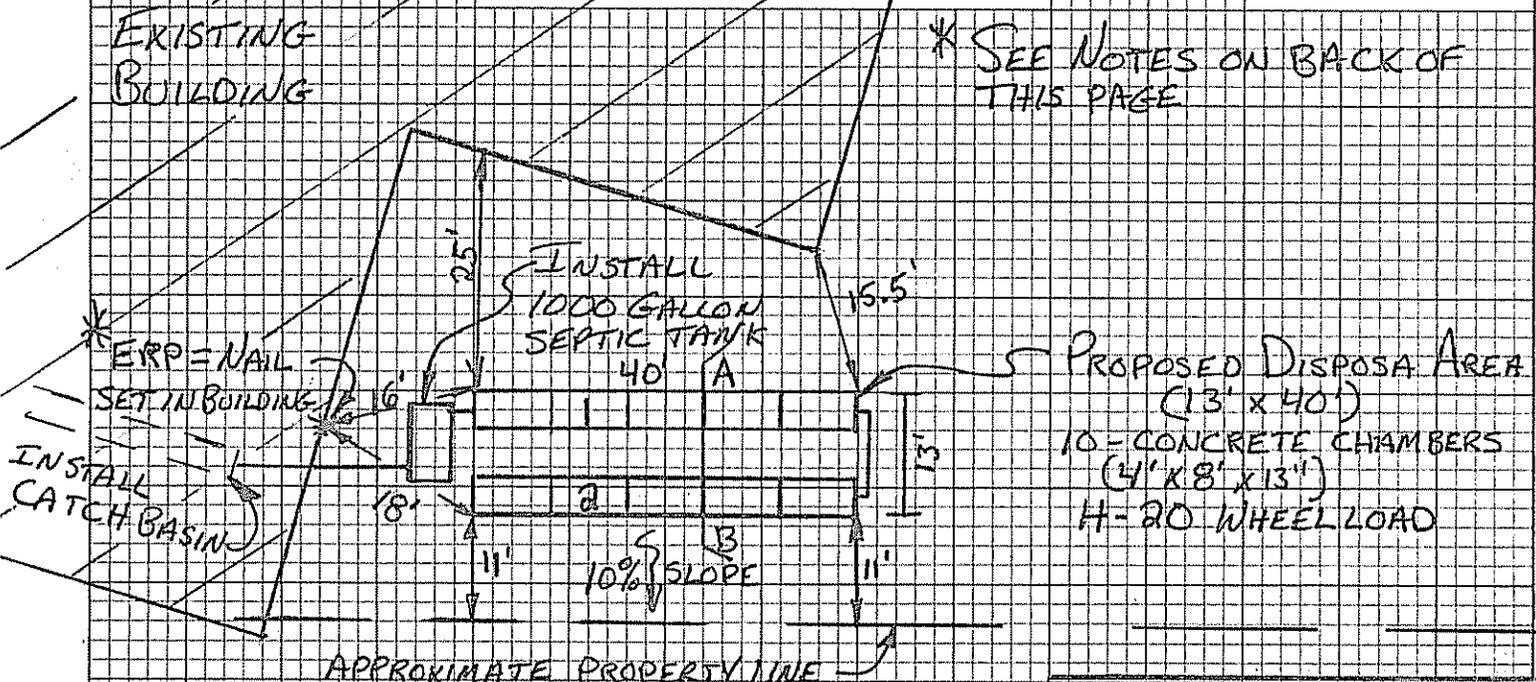
Town, City, Plantation
AUGUSTA

Street, Road, Subdivision
258 RIVERSIDE DRIVE

Owner's Name
RICHARD O'CONNOR

SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE 1" = 20 FT.



CONSTRUCTION ELEVATIONS	
	BOT OF CHAMBER
	TOP OF CHAMBER
Row #1	-74"
	-61"
Row #2	-86"
	-73"

FILL REQUIREMENTS

Depth of Fill (Upslope) $\pm 12"$

Depth of Fill (Downslope) $\pm 20"$

FILL DEPTHS WILL VARY

CONSTRUCTION ELEVATIONS

Finished Grade Elevation SEE ABOVE

Top of Distribution Pipe or Proprietary Device

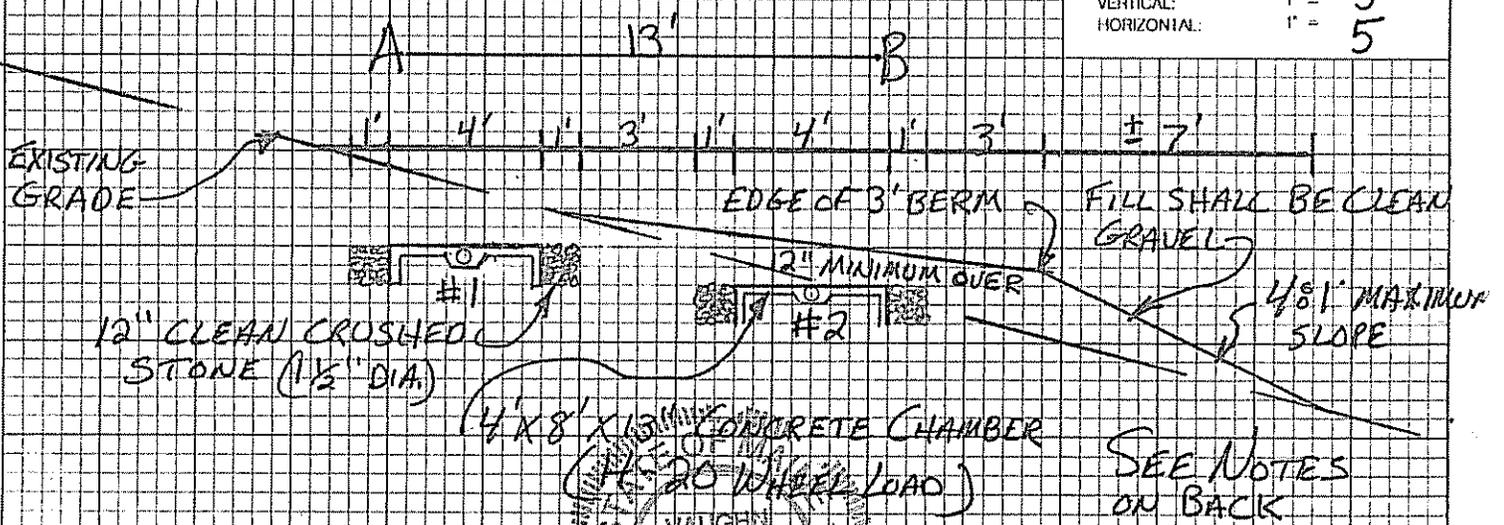
Bottom of Disposal Area

ELEVATION REFERENCE POINT

Location & Description NAIL SET IN BUILDING 29" ABOVE GROUND

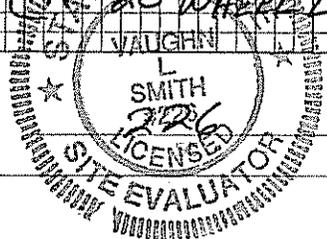
Reference Elevation 0"

DISPOSAL AREA CROSS SECTION



SCALE:
VERTICAL: 1" = 5'
HORIZONTAL: 1" = 5'

Vaughn L. Smith
Site Evaluator Signature



4/10/00
Date

RECEIVED

APR 13 2001

Please refer to documents provided by the Department of Environmental Protection on "Floor Drain Management" and the attached Interdepartmental Memorandum on the "Subject: Licensing of Subsurface Waste Water Disposal from Manual Car Washes" dated January 26, 1999.

1. All ties, elevations and property lines shall be confirmed prior to the installation of this subsurface disposal system.
2. Property Information was provided by owner.
3. This system is designed for the purpose of disposing waste water generated from a 'manual car wash' as defined by the Department of Environmental Protection with the accompanying but not limited to the following restrictions:
 - a. cars are to be washed with hand-held hoses and brushes to wash the exteriors of cars and light trucks
 - b. undercarriage and engine washings are prohibited
 - c. water usage shall not exceed the 15 gallons per car or 225 gallons per day design flow (it is strongly recommended that water records are used to calculate actual use)
4. Any existing fill material that is deemed unsuitable shall be replaced by installer
5. A catch basin shall be installed in the floor drain area to provide primary separation of sand and grit prior to the 1000 gallon septic tank.
6. Install a riser for accessibility to septic tank. Septic shall be inspected every 3 months of use and cleaned when sediments occupy 50% of its capacity.
7. Any discrepancies in the design or installation shall be brought to the attention of this designer. If any of the conditions or restrictions are not followed, this design shall be considered null and void.

If owner, installer, or agency has any questions, please do not hesitate to contact me @ 724 - 5635.



STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION

ANGUS S. KING, JR.
GOVERNOR

INTERDEPARTMENTAL MEMORANDUM

EDWARD O. SULLIVAN
COMMISSIONER

TO: James A. Jacobsen, Manager, Wastewater and Plumbing Control Program
Division of Health Engineering
Department of Human Services.

FROM: *MS* Michael T. Barden, Director, Division of Water Resource Regulation
Bureau of Land and Water Quality
Department of Environmental Protection

SUBJECT: Licensing of Subsurface Waste Water Disposal from Manual Car Washes

DATE: January 26, 1999

In June 1998, changes were adopted to the Maine Subsurface Waste Water Disposal Rules delineating the types of wastes for which disposal requires a waste discharge license under Title 38, MRSA, §413 would be required (Sec. 503.0). Included in Section 503.2, License Required, is a list of facilities which may produce such waste water, such as "...abattoirs, commercial car washes, egg washing facilities, and industrial processes."

The Department of Environmental Protection has been looking closer at "commercial car washes" and has found a great deal of diversity in that category. Clearly, car washes using mechanical brushes or high pressure wands to clean the undercarriage or engine components of cars and trucks are generating waste water that is significantly different from domestic waste water and, therefore, should be subject to review by the Department.

Recently we have received a number of calls about a different type of car wash—manual car washes. Manual car washes are car washes where people use hand-held hoses (pressure and/or brushes) to wash the exterior of their cars and light trucks. These car washes are not specifically set up to perform engine or undercarriage washing and do not have bays large enough to accommodate tractor trailers or heavy equipment. In rules proposed for Class V Underground Injection Control (UIC) wells (98FR40585), EPA also makes the same, clear distinction between manual car washes and those car washes at which undercarriage vehicle washing is performed. Under the proposed rule, subsurface disposal of waste water from car washes that perform undercarriage washing would be prohibited in source water protection areas.

The waste water from manual car washes does not differ significantly from the waste water created by homeowners washing cars on their own premises. Pollutants of concern, such as road salt and petroleum products, while present, do not present a significant threat to ground water provided no washing of the engine or undercarriage occurs. As such, the Department feels that waste water from manual car washes is similar in volume and concentration to domestic waste water, and that any subsurface waste water disposal from such systems be approved by local plumbing inspectors under the Maine Subsurface Waste Water Disposal Rules.

AUGUSTA
17 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0017
(207) 287-7088
RAY BLDG., HOSPITAL ST.

BANGOR
166 HOGAN ROAD
BANGOR, MAINE 04401
(207) 941-4570 FAX: (207) 941-4584

PORTLAND
312 CANCO ROAD
PORTLAND, MAINE 04103
(207) 822-6300 FAX: (207) 822-6303

PRESQUE ISLE
1235 CENTRAL DRIVE, SKYWAY PARK
PRESQUE ISLE, MAINE 04769-2004
(207) 764-0477 FAX: (207) 764-1507

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APR 10 2000

However, EPA still regards any subsurface waste water disposal system from a car wash as a Class V UIC well. Accordingly, in order for the Department to maintain its inventory of Class V well locations, we request that all new manual car washes complete the attached Class V UIC Well Registration form (attached) prior to starting operations. Although we will be conducting outreach on Class V well registration in the future, we would appreciate your assistance in alerting local plumbing inspectors about the well registration requirements.

As we look closer at the variety of non-domestic wastes disposed of through subsurface systems, there may be others for which we feel licensing under Title 38 MRSA §413 is not appropriate and for which approval under the Maine Subsurface Waste Water Disposal Rules is adequate. For example, we are continuing to investigate subsurface disposal of non-contact cooling water and the appropriateness of licensing. We hope to work with you further to define those waste waters for which approval under the Maine Subsurface Waste Water Disposal Rules presents the most reasonable, regulatory avenue.

If you would like to discuss this further, please contact me at 287-3901. Questions about Class V UIC Well Registration should be directed to Tammy Gould, 287-7814.

- Cc: Jay Hardcastle, DHS, DHE
Pam Parker, DEP, BL&WQ
✓ Tammy Gould, DEP, BL&WQ
Dana Murch, DEP, BL&WQ
John Hopeck, DEP, BL&WQ