DEPARTMENT OF HEALTH AND HUMAN SERVICES NON-TRANSIENT, NON-COMMUNITY PUBLIC WATER SYSTEM APPLICATION FOR A NEW SYSTEM OR WELL

* Approval of a new public water system requires well <u>and</u> system approval. Compliance of the entire water system will be evaluated during a comprehensive inspection by the Drinking Water Program.



School

Day Care

Office Building

Factory

Hospital

and others





Drinking Water Program Division of Environmental Health Maine Center for Disease Control and Prevention Department of Health and Human Services 11 State House Station, 286 Water Street Augusta, Maine 04333-0011 TEL: (207) 287-2070 TTY: (800) 606-0215 FAX: (207) 287-4172 Web Address: <u>http://www.medwp.com</u>

PWS Inspector:		 	
PWS Inspector Address:		 	
Phone:	Fax:	 	
Date this packet was sent or delivered	d in person:		

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IS YOUR ESTABLISHMENT A PUBLIC WATER SYSTEM?

A public water system is defined as any publicly or privately-owned system of pipes or other constructed conveyances, structures and facilities through which water is obtained for or sold, furnished or distributed to the public for human consumption, if such system has at least 15 service connections or serves at least 25 individuals daily at least 60 days out of the year or bottles water for sale. The term "public water system" shall include any collection, treatment, storage or distribution pipes or other contstructed conveyances, structures or facilities under the control of the supplier of water and used primarily in connection with such a system, and any collection or pretreatment storage facilities not under that control that are used primarily in connection with such a system. (From the State of Maine Rules Relating to Drinking Water)

This definition means that if you serve water from your own source (well or surface intake) to 25 or more people per day, or have 15 or more service connections, and operate for 60 or more days per year, you are operating a public water system. There are three types of public water systems and each is regulated differently. The three types are:



Community Public Water System:

A public water system which serves at least fifteen service connections used by year-round residents or regularly serves at least 25 year-round residents. (Year- round is defined as permanent residence greater than six months.) Examples include water utilities, mobile home parks, apartment buildings, nursing homes.



Non-Transient, Non-Community Public Water System:

A non-community public water system that serves at least 25 of the same persons for six months or more per year. Examples include schools, office buildings, factories.



Transient Public Water System:

A non-community public water system that serves at least 25 persons, but not necessarily the same persons, for at least 60 days per year. Examples include restaurants, camps and campgrounds, motels and hotels, and bottled water companies.

"New Well" is defined as a well that has not been drilled yet or an existing well that has not been regulated as a public water source in the last five (5) years... new to the Maine Drinking Water Program (*this includes After the Fact wells*).

If you are planning a new well for a new or existing **Non-Transient**, **Non-Community** public water system, the materials you need for well and system approval are within this application, or referred to in this application. If you are planning a well for a transient or a community system, please request the appropriate packet from the Drinking Water Program or see the DWP Website: <u>www.medwp.com</u>

Please contact the Drinking Water Program at (207)-287-2070 if you have any questions concerning the process for reviewing an application for a new well or a new public water system. Compliance of the entire public water system will be evaluated during a comprehensive inspection by the Drinking Water Program.

GETTING APPROVAL FOR A NON-TRANSIENT, NON-COMMUNITY PUBLIC WATER SYSTEM OR WELL

If you own or operate a public water system in Maine, or are planning to establish one, drilling and utilizing a new well for serving water to the public requires written approval from the Maine Drinking Water Program (DWP) in the Department of Health and Human Services. This application has the material you need to complete this process.

Every public water system has a primary point of contact with the Maine Drinking Water Program:

• **PWS Inspector**... responsible for helping you to complete the new well and system approval process, all aspects of inspecting your public water system, and for evaluating water quality and overall compliance of your public water system with the Maine Rules Relating to Drinking Water. Your PWS Inspector contact information is on the front cover of this publication.

STEPS OF THE NEW WELL AND SYSTEM APPROVAL PROCESS

- **1.** Fill in the "Facility Information and Points of Contact" form.
- 2. Fill in the "Request for Preliminary Well/System Approval" form. Note that public water system wells must be 300 feet from leachfields and 1000 feet from underground storage tanks. See setback waiver policies at <u>www.medwp.com</u>.
- **3.** Fill in the "Potential Sources of Contamination" form.
- **4.** Provide (sketch) a "Site Plan for Preliminary Approval of the Proposed Well". A sample is provided in this packet

Send items 1-4 to your PWS Inspector, identified on the front cover of this publication.

- **5.** Complete the application process for a General Operations Permit (contact information enclosed).
- **6.** After Preliminary Approval has been granted by the PWS Inspector, the well can then be drilled. (For a system with an existing well, after preliminary approval is granted, proceed to the next step)
- **7.** Work with the PWS Inspector to arrange required water quality tests to be collected.
- **8.** Fill in the "Request for Final Well/System Approval" form.
- **9.** Fill in the "Water System Component Checklist and Questionnaire". <u>Send items 8-9 to your PWS Inspector</u>.

Note: If your public water system is already in operation serving water to the public, complete items 1 through 9 and send all materials to your PWS Inspector.

10. After final system or well approval is granted, contact the PWS Inspector when water is being served to the public from this new well or new public water system.

	ater System Points of		Change Fulli
Person Completing this form:		Date:	
Public Water System Name:		PWSID#:	
Person providing information:		New owner?	
Change of single addres	sonly. Enter data for this POC cl	hange of addres	ss. Leave the other boxes blank.
Change of POC or multip	ble address changes. All boxes	must be compl	eted. Add additional boxes if
necessary. If a Point of Co	ontact (POC) has no change just c	heck the "No C	Change" box. Do not fill out the rest of
the information. If a persor	n is more than one type of POC, ty	pe "same as _	in the name field.
Administrative Contact (AC)	No Change		
Name:		Fax (Dedicate	ed line):
Mailing Address:		Emergency	
City, State, Zip Code:		Emorgoney	E-mail:
Phone:			
Emergency Contact (EC)	No Change		
	No Change	Fax (Dadiaat	ad line).
Name:		Fax (Dedicate	
Mailing Address:		Emergency	
City, State, Zip Code:			E-mail:
Phone:			
Financial Contact (FC)	No Change		
Name:		Fax (Dedicate	
Mailing Address:		Emergency	
City, State, Zip Code:			E-mail:
Phone:			
Owner (OW)	No Change		
Name:		Fax (Dedicate	ed line):
Mailing Address:		Emergency	
City, State, Zip Code:			E-mail:
Phone:			
Sampling (SA)	No Change		
Name:	No change	Fax (Dedieat	ad line):
		Fax (Dedicate	
Mailing Address:		Emergency	
City, State, Zip Code:			E-mail:
Phone:			
Designated Operator (DO)	No Change		
Name:		Fax (Dedicate	
Mailing Address:		Emergency	
City, State, Zip Code:			E-mail:
Phone:			
	ate which if any this DO replaces:		
Jse the "Other" boxes below to			
Confirmation from Operator	Licensing Staff Received		
Operator (OP)	No Change		
Name:		Fax (Dedicate	ed line):
Mailing Address:		Emergency	
City, State, Zip Code:			E-mail:
Phone:			
	ate which if any this OP replaces:		
Jse the "Other" boxes below to			
Other (indicate type of POC)			
Name:		Fax (Dedicate	ed line):
Mailing Address:		Emergency	
City, State, Zip Code:			E-mail:
Phone:	this person replaces if applicable		
	this person replaces if applicable:	1	
Other (indicate type of POC)			
Name:		Fax (Dedicate	
Mailing Address:		Emergency	
		1	E-mail:
City, State, Zip Code:			
Phone:	this person replaces if applicable:		

REQUEST FOR PRELIMINARY APPROVAL FOR A NON-TRANSIENT, NON-COMMUNITY PUBLIC WATER SYSTEM OR WELL

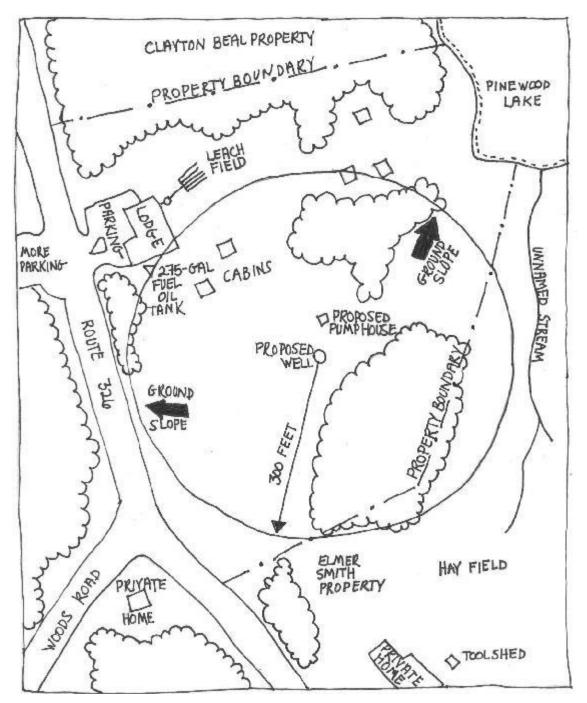
Note: Preliminary approval is required **<u>before</u>** a well is drilled.

Facility Name:	NOTE THAT A NEW WELL MUST BE DRILLED BY A WELL DRILLER LICENSED IN THE STATE OF MAINE. FOR A LIST OF WELL DRILLERS, CONTACT THE MAINE WELL DRILLING COMMISSION AT (207) 287-5699 <u>Allow 30 Days for Processing</u>
A well for a proposed facility which has not yet been constructed? I plan to drill the well by(date). I want to have it on-line by Well Driller's Name:License	
 This application will be returned unless accompanied by: 1. A location map (an "X" drawn on a map from the Maine Altas and Ga 2. A site plan (more detailed map of the well site) including: A scale (1inch = 100 feet or similar) All potential contaminant sources (leach fields, fuel tanks etc.) v Underground Storage Tanks within 1000 feet of the well. Surface water bodies (lakes, streams, ponds) within 300 feet of Property boundries and the land uses on adjacent properties The general slope of land near the well 3. A copy of HHE 200 septic system design form if a leach field is within 	within 300 feet of the well.
ESTABLISHMENT DESCRIPTION CHECK ALL THAT APPLY: NUMBER OF: School	
Is this a seasonal operation? If yes, season begins?	season ends?
How many feet away is the nearest property line?(feet),	acres) Setback waiver is required if less than 300 feet
CERTIFICATION: I hereby certify that, to my knowledge, the informatio accurate and no site details have been omitted which would have a bea installation of a public water supply well. Maine law makes it illegal fo permit to make false statements upon an application with the inter- course of their official duties, or to create a false impression in a w benefit. Unsworn Falsification is a Class D misdemeanor offense p incarceration, a fine of up to \$2,000, or both.	n on this form and attachments is true and aring on the suitability of the site for or persons applying for a Departmental at to deceive department officials in the vritten application for pecuniary or other

Signature:	I lue	
Print Name	Date	
FOR OFFICE USE ONLY: PWS Inspector Date this form was receivedSo	ource ID Number	_ Population Estimate: Date of Site visit
Will a Setback Reduction Waiver be required?	If yes, use Setback Waiv	ver Form. New PWSID# needed?
If yes, Unique or Parent/Child?	Is the system Active (A) or	Proposed (P) at this time?

POTENTIAL SOURCES OF CONTAMINATION (PSC), CURRENT OR PAST

PWS Name		PWSID#Date:Date:			
Number of PSCs	Land Use Activity	Distance to well	Number of PSCs	Land Use Activity	Distance to well
	HERBICIDE / PESTICIDE USE		รั้นการแกรงแกรงแรง เพราะแรก และ แ -	*	
	1. Agricultural chemical spreading or		·	50. Abandoned well	
	spraying				
	2. Agricultural chemical storage			51. Boat builder, refinisher, maintenance	
	3. Bulk grain storage			52. Chemical reclamation	
	4. Chemically fertilized agricultural			53. Food processor	
	field				
	5. Golf course			54. Graveyard & cemetery	
	6. Herbicide sales or applicator			55. Heat treater, smelter, annealer,	
				descaler	
	7. Nursery or garden shop			56. Incinerator	
	8. Pesticide sales or applicator			57. Industrial discharge	
	9. High voltage transmission lines			58. Industrial manufacturer	
	PETROLEUM / HYDROCARBON USE (VOCS OR SEMI-VOCS)	s e una e	· /	59. Industrial waste disposal	
	10. Aboveground oil storage tank		, 4	60. Landfill, dump, transfer station	
	(including home heating oil tanks)				
	11. Underground oil storage tank			61. Metal plating	
	12. Airport fueling area			62. Military facility	
	13. Airport maintenance			63. Monitoring well	
	14. Auto chemical supply wholesaler			64. Railroad yard or line	
	15. Auto repair			65. Recycling or processing center (other	
				than beverages)	
	16. Body shop			66. Research laboratory	
	17. Concrete, asphalt, tar, coal company			67. Residential home	
	18. Dry cleaner			68. Rust proofer	
	19. Furniture stripper			69. Salt pile or sand & salt pile	
	20. Gas station, service station			70. Septic system, septic waste disposal	
	21. Junk or salvage yard			a. Beauty parlor	
	22. Machine shop			b. Car wash	
	23. Oil pipeline			c. Laundromat	
	24. Painters, finisher			d. Medical, dental, veterinarian office	
	25. Parking lot			e. Mortuary/ funeral parlor	
	26. Photo processor			f. Multi-unit housing	
	27. Printer			g. Single-family housing	
	28. Sand & gravel mining, other			h. Other	
	mining				
	29. Small engine repair shop			71. Sewer line	
	30. Snow dump (large commercial or municipal)			72. Sludge disposal or spreading	
	31. Stormwater impoundments or run-off area			73. Wastewater impoundment area	
	32. Truck terminal			74. Wastewater treatment plants, discharge	
BACTERI	A AND INORGANICS SUCH AS NITRATES / NITRITES	** semaenaenaenaenaenaenaenaenaena	• •	75. Wood preserver	
	40. Animal burial (large scale site)		4	76. Other – Please indicate other	
				potential contamination sites not included in this list.	
	41. Animal grazing				
	42. Barnyard				
	43. Manure pile				
	44. Manure spreading				
	45. Meat packer, slaughter house				
	46. Municipal wastewater plant				



An acceptable site plan must include:

- A scale (1inch = 100 feet or larger);
- Potential sources of contamination within 300 feet (leach field, fuel tank, etc.);
- Underground Storage Tanks within 1000 feet of the well;
- Property boundaries;
- A description of land uses on adjacent properties;
- The general slope of land near the well; and
- Surface water bodies within 300 feet of the well.

PUBLIC WATER SYSTEM GENERAL OPERATIONS PERMIT APPLICATION PROCESS

All Community and Non-Transient, Non-Community Public Water Systems which begin operations after October 1, 1999 are required to obtain a General Operations Permit before serving water to the public to demonstrate that they possess technical, managerial, and financial capacity sufficient to operate their water systems on a sustained basis in compliance with applicable state and federal requirements. To apply for a General Operations Permit, please contact the PWS inspector identified on the front page of this application.

LICENSED OPERATOR REQUIREMENTS

A "Non Transient Non Community" public water system (PWS) must be operated by a licensed water operator. The complexity of the treatment system and the number of people served by the distribution system determines the license classifications required by the operator. Your PWS Inspector will use The Maine Rules Relating to the Licensure of Water System Operators to determine the license classifications required by your water system.

The licensed water operator for your water system must have a current Maine water operator's license that meets the requirements of your specific water system. Licensed contract operators are available for hire throughout the State. You may also choose to become your own operator by obtaining the necessary license(s). The Drinking Water Program has study materials available, while other entities provide training on becoming a licensed water operator. Please contact your PWS inspector or call the Maine Drinking Water Program at 287-2070 to discuss the options available to you for providing or becoming a licensed operator for your water system.



NON-TRANSIENT, NON COMMUNITY PUBLIC WATER SYSTEM APPROVAL PROCEDURE FOR A NEW SYSTEM OR WELL WATER QUALITY TESTING REQUIRED FOR FINAL APPROVAL

Non-transient, non-community (NTNC) public water systems serve at least 25 of the same persons for 6 months or more per year. Examples include schools, day care centers, and businesses. Final approval of a well for an NTNC system requires satisfactory results for:

Bacteria (*"Test G" at State Health Lab*): Indicates whether coliform bacteria are present in the water. If total coliforms are detected, the sample is also analyzed for *E. coli*.

Nitrate/nitrite ("Test NN" at State Health Lab): A test for nitrate and nitrite.

Inorganic Parameters (*"Test E6" at State Health Lab):* A good indicator of general groundwater quality includes: chloride, hardness, fluoride, copper, iron, manganese, zinc, arsenic, barium, cadmium, chromium, lead, mercury, silver, selenium, sodium, color, turbidity, pH, nickel, antimony, beryllium, sulfate, uranium, and thallium.

Cyanide ("Test Cyanide" at State Health Lab): A test for cyanide.

Volatile Organic Compounds *("Test VOC 524" at State Health Lab):* A screening procedure which can detect the presence of more than 50 different hydrocarbon compounds including gasoline, kerosene, Methyl Tertiary Butyl Ether (MTBE), and many industrial solvents.

Radon in Water (*"Test Radon Water" at State Lab):* A test which indicates the activity of radon gas, a naturally occurring radioactive gas which occurs at elevated levels in some Maine ground water.

Gross Alpha (*"Test Gross Alpha" at State Lab*): A test for radioactivity exclusive of that from radon. Usually indicates the presence of uranium or radium.

Semi-volatile Organic Screen (*"Test SVO 525" at State Lab*): A test for higher boiling point organic compounds which follows EPA method 525.1.

Herbicide Screen ("Test Chlorinated Acids" at State Lab): Will detect the presence of several widely used herbicides.

Carbamate Pesticides (*"Test Carbam 531" at State Lab):* Will detect the presence of several widely used pesticides including carbofuran, aldicarb, and carbaryl.

Pesticide Screen (*"Test Pest Cl Pcbs 508" at State Lab):* Will detect the presence of selected chlorinated hydrocarbon pesticides and PCBs.

For Schools and Child Care Facilities Only

PFAS Screen: ("Test PFAS at accredited labs employing EPA methods, 533, 537 or 537.1 for use in potable water)

For a list of labs certified by the State of Maine, contact the Drinking Water Program at (207) 287-2070. To order bottles from the State Health Lab, call the PWS Inspector listed on the front page of this packet.

REQUEST FOR FINAL APPROVAL OF A NON-TRANSIENT, NON-COMMUNITY PUBLIC WATER SYSTEM OR WELL

WELL CONSTRUCTION INFORMATION

Facility Name				
PWSID#			TEST RESULTS MUST	
Town or City			ACCO	MPANY THIS FORM.
On-site Contact				
On-site Phone				
COMPLETE FOR WELLS:		COMPLET BEDROCK		COMPLETE FOR GRAVEL WELLS:
Name & Address of Required Water Tests: Well Driller: Inorganic Parameters Volatile Organics Extended Inorganics Radon in water Radon in water	Date drilled	<u>d:</u>	Date drilled:	
	□ Radon in water	Total depth	n:	Total depth:
Driller's License #: Gross Alpha		Depth to be	edrock:	Depth to top of screen:
Pump test duration (hours):	Carbamate Screen Pesticide Screen	Length of c	casing:	Length of screen:
Water tests must be conducted by a certified laboratory. If you choose to use the State Health and Environmental Testing Laboratory, call the PWS Inspector (see front page this packet) to order sample bottles. If you chose to use a private certified laboratory, enter name of certified laboratory here:		Diameter o	of casing:	Diameter of casing:
		Safe Yield	(GPM):	Safe Yield (GPM):

CERTIFICATION

I hereby certify that, to my knowledge, the information on this form and attachments is true and accurate. I certify that the well has been drilled as specified on the preliminary approval request submitted earlier and the water test results are from raw water samples taken from the well described above. Maine law makes it illegal for persons applying for a Departmental permit to make false statements upon an application with the intent to deceive department officials in the course of their official duties, or to create a false impression in a written application for pecuniary or other benefit. Unsworn Falsification is a Class D misdemeanor offense punishable by up to 364 days incarceration, a fine of up to \$2,000, or both.

Signature_____ Title_____

Print Name_____

Date_____

Attach copies of water quality test and return to the PWS Inspector identified on the front cover of this packet

Allow 30 days for processing.

FOR OFFICE USE ONLY	,
SOURCE ID NUMBER	
DATE RECEIVED	
DATE APPROVED	
CONDITIONAL?	

Water System Component Checklist & Questionnaire

The well approval procedure focuses primarily on the water source and the physical well itself. Compliance of the entire water system will be evaluated during a comprehensive inspection completed by the Drinking Water Program. Please check off the components that are, or will be, part of the water system. Include notes as needed.

Facility Name:	Date:
Submersible well pump	
Above-ground suction well pump	
Bladder pressure tank(s) Qty Size(s) (gal)	
Hydropneumatic pressure tank Size (gal):	
Atmospheric storage tank & pump Size (gal):	
Gravity storage tank Size (gal):	
Sediment filter Type:	
Water meter	
Treatment (please specify):	
What is supplied by this water system (buildings/units/etc.)?	
Other water system information:	