STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION

JOHN ELIAS BALDACCI
GOVERNOR

DAVID P. LITTELL
COMMISSIONER

April 25, 2007

Mr. John Dill
Town of Kingfield
38 School Street
Kingfield, Maine 04947

RE: Permit Compliance System #MEU506272
Maine Waste Discharge License (WDL) Application # W-006272-5L-D-R
Final License

Dear Mr. Dill:

Enclosed please find a copy of your **final** Maine WDL which was approved by the Department of Environmental Protection. Please read the license 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.

Any interested person aggrieved by a Department determination made pursuant to applicable regulations, may appeal the decision following the procedures described in the attached DEP FACT SHEET entitled "*Appealing a Commissioner's Licensing Decision.*"

The Department would like to make you aware that your monthly Discharge Monitoring Report (DMR) forms may not reflect the revisions in this licensing action for several months after license issuance, however, you are required to report applicable test results for parameters required by this licensing action that do not appear on the DMR. Please see the attached April 2003 O&M Newsletter article regarding this matter.

If you have any questions regarding the matter, please feel free to call me at (207) 287-6114 or contact me via email at Robert.D.Stratton@maine.gov.

Sincerely,

Robert D. Stratton
Division of Water Quality Management
Bureau of Land and Water Quality

Enc./cc: Beth DeHaas (MEDEP); Sandy Lao (USEPA)

AUGUSTA
17 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0017
(207) 287-7688 FAX: (207) 287-7826
RAY BLDG., HOSPITAL ST.

BANGOR
106 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 04769-2094
(207) 764-0477 FAX: (207) 760-3143

web site: www.maine.gov/dep

DMR Lag

(reprinted from April 2003 O&M Newsletter)

When the Department renews discharge permits, the parameter limits may change or parameters may be added or deleted. In some cases, it is merely the replacement of the federally issued NPDES permit with a state-issued MEPDES permit that results in different limits. When the new permit is finalized, a copy of the permit is passed to our data entry staff for coding into EPA's Permits Compliance System (PCS) database. PCS was developed in the 1970's and is not user-friendly. Entering or changing parameters can take weeks or even months. This can create a lag between the time your new permit becomes effective and the new permit limits appearing on your DMRs. If you are faced with this, it can create three different situations that have to be dealt with in different ways.

1. If the parameter was included on previous DMRs, but only the limit was changed, there will be a space for the data. Please go ahead and enter it. When the changes are made to PCS, the program will have the data and compare it to the new limit.

2. When a parameter is eliminated from monitoring in your new permit, but there is a delay in changing the DMR, you will have a space on the DMR that needs to be filled. For a parameter that has been eliminated, please enter the space on the DMR for that parameter only with "NODI-9" (No Discharge Indicator Code #9). This code means monitoring is conditional or not required this monitoring period.

3. When your new permit includes parameters for which monitoring was not previously required, and coding has not caught up on the DMRs, there will not be any space on the DMR identified for those parameters. In that case, please fill out an extra sheet of paper with the facility name and permit number, along with all of the information normally required for each parameter (parameter code, data, frequency of analysis, sample type, and number of exceedances). Each data point should be identified as monthly average, weekly average, daily max, etc. and the units of measurement such as mg/L or lb/day. Staple the extra sheet to the DMR so that the extra data stays with the DMR form. Our data entry staff cannot enter the data for the new parameters until the PCS coding catches up. When the PCS coding does catch up, our data entry staff will have the data right at hand to do the entry without having to take the extra time to seek it from your inspector or from you.

EPA is planning significant improvements for the PCS system that will be implemented in the next few years. These improvements should allow us to issue modified permits and DMRs concurrently. Until then we appreciate your assistance and patience in this effort.

STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION
STATE HOUSE STATION 17 AUGUSTA, MAINE 04333

DEPARTMENT ORDER

IN THE MATTER OF

TOWN OF KINGFIELD	)	PROTECTION AND IMPROVEMENT
KINGFIELD, FRANKLIN COUNTY, MAINE	)	OF WATERS
PUBLICLY OWNED TREATMENT WORKS	)	
SUBSURFACE WASTEWATER DISPOSAL	)	WASTE DISCHARGE LICENSE
#MEU506272	)	
#W006272-5L-D-R **APPROVAL**	)	**RENEWAL**

Pursuant to the provisions of 38 M.R.S.A Section 414-A et seq., and applicable regulations, the Department of Environmental Protection (Department) has considered the application of the TOWN OF KINGFIELD, with its supportive data, agency review comments, and other related materials on file and FINDS THE FOLLOWING FACTS:

APPLICATION SUMMARY

The applicant has applied for a renewal of Waste Discharge License (WDL) #W006272-59-C-R / Compliance Tracking System #MEU506272, which was issued on May 29, 2002, administratively modified on April 14, 2004, and which expires on May 29, 2007. The WDL licensed the discharge of 0.077 million gallons per day (MGD) of treated sanitary wastewater from a series of 55 sub-surface treatment "systems" to the groundwater, Class GW-A, in Kingfield, Maine.

LICENSE SUMMARY

By this renewal the Department is:

- carrying forward certain operational constraints and use restrictions germane to the successful operation of subsurface treatment systems; and

- resuming previous requirements for Annual Subsurface System Performance Reports.

CONCLUSIONS

BASED on the findings in the attached Fact Sheet dated March 20, 2007 and revised April 19, 2007, 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:

   (1) Existing water uses and the level of water quality necessary to protect and maintain those existing uses will be maintained and protected;

   (2) Where high quality waters of the State constitute an outstanding national resource, that water quality will be maintained and protected;

   (3) 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 of contribute to the failure of the water body to meet the standards of classification;

   (4) 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

   (5) 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 above noted application of the TOWN OF KINGFIELD, to discharge 0.077 million gallons per day (77,000 gallons per day) of treated sanitary wastewater to groundwater, Class GW-A, SUBJECT TO THE FOLLOWING CONDITIONS, and all applicable standards and regulations including:

1. Standard Conditions of Approval for POTW Waste Discharge Licenses dated July 16, 1996, copy attached.

2. The attached Special Conditions, including effluent limitations and monitoring requirements.

3. The term of the permit is five (5) years from the date of signature.

DONE AND DATED AT AUGUSTA, MAINE, THIS 24TH DAY OF April, 2007.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: _____

David P. Littell, Commissioner

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: February 27, 2007

Date of application acceptance: February 28, 2007

FILED
APR 25 2007
BOARD OF ENVIRONMENTAL PROT.
STATE OF MAINE

Date filed with Board of Environmental Protection _____

This Order prepared by Robert D. Stratton, BUREAU OF LAND & WATER QUALITY

SPECIAL CONDITIONS

A. TREATMENT PLANT OPERATOR

The operator in responsible charge of the systems must hold a **Grade I,** certificate pursuant to Title 32 M.R.S.A. Chapter 62, Section 4171 et seq. and Department Rules Chapter 531 "Regulations for Wastewater Operator Certification Program". A "system" being defined as, any combination of collection pipes, treatment tanks, distribution devices and disposal fields designed, installed, and operated as a single unit.

The certified operator, or a shift operator or other employee under the supervision of the certified operator, must be available at all times that the facility is in operation to ensure compliance with license conditions, and to respond in times of system failures, threats to public health or any other emergency situations. The certified operator should ensure that person(s) acting under the certified operator's supervisory authority are sufficiently familiar with the treatment systems to carry out these responsibilities.

The Department must approve all proposed contracts for facility operation, by any person other than by a certified operator directly employed by the licensee pursuant to Department Rules Chapter 531 and current Department *Guidelines for Review of Operational Contracts*, within two weeks of a contract operator being retained. Where possible, the licensee and/or contractor shall submit draft agreements for Department review and approval at least 2 months prior to execution.

Any change in operator status must be reported in writing to and approved by the Department's facility compliance inspector assigned to the Town of Kingfield.

B. AUTHORIZED DISCHARGES

The licensee is authorized to discharge treated sanitary wastewater only in accordance with the terms and conditions of this license and only from the existing 55 subsurface systems as designed. Discharge of wastewater from any other source or expected flows in excess of design capacity requires a formal modification of this license.

Also, the collection, treatment or discharge of wastewater from commercial, industrial or residential sources, which has constituents unlike that or is significantly higher strength than that of domestic wastewater is prohibited without formal modification of the license.

C. DISPOSAL OF SEPTAGE WASTE IN WASTEWATER TREATMENT FACILITY

The Department acknowledges that the Town of Kingfield currently treats its own septage filtrate produced from a portable dewatering unit. The amount of septage filtrate from the dewatering operation shall not cause any system to exceed its design flow or organic loading, or interfere with the proper performance of the system. The licensee is authorized to receive and dewater septage from residents within the Town of Kingfield, and compost it with sludge from town operated systems. The licensee is prohibited from receiving any other septage into its wastewater treatment facility.

SPECIAL CONDITIONS

D. NARRATIVE EFFLUENT LIMITATIONS

1. The effluent shall not contain materials in concentrations or combinations, which would impair the uses designated by the classification of the groundwater.

2. Notwithstanding specific conditions of this license the effluent must not lower the quality of any classified body of water below such classification, or lower the existing quality of any body of water if the existing quality is higher than the classification.

E. GENERAL OPERATIONAL CONSTRAINTS

1. The licensee shall operate the system consistent with the requirements of the *Maine Subsurface Wastewater Disposal Rules* (144A CMR 241 authorized under Title 22 MRSA §42) and other pertinent regulations, as well as the limitations of the design.

2. The licensee is responsible for proper operation and maintenance of the subsurface wastewater system in order to facilitate groundwater protection including the education of system users in the proper use of the system.

3. The Department shall be notified as soon as the licensee becomes aware of any threat to public health, unlicensed discharge of wastewater, sanitary system overflows (SSO's), or any malfunction that threatens the proper operation of the collection and treatment systems, and of action taken to repair/correct, and prevent recurrence. Notification shall be made in accordance with the attached Standard Conditions dated 7/16/96 attached to this license.

   A *sanitary sewer overflow* (SSO) is the release of raw sewage from a sanitary collection system prior to reaching the treatment plant or facility (spills out of manholes, into basements, onto municipal property, etc, and into waters of the United States are all considered to be SSO's).

   Malfunctioning system is defined as a system that is not operating or functioning properly. Indications of malfunctioning systems include, but are not limited to, any of the following: ponding or outbreak of wastewater or septic tank effluent onto the surface of the ground; seepage of wastewater or septic tank effluent into parts of buildings below ground; back-up of wastewater into the building(s) served that is not caused by a physical blockage of the internal plumbing; or contamination of nearby wells or waterbodies / courses.

4. All upgrades, replacements or authorized expansions of the treatment systems shall be in accordance with *Maine Subsurface Wastewater Disposal Rules* and be approved by the Department of Environmental Protection (DEP).

SPECIAL CONDITIONS

E. GENERAL OPERATIONAL CONSTRAINTS (CONT'D)

DEP authorized upgrades, replacements, expansions of systems with a design flow of less than 2000 gallons per day shall be under the direction of a site evaluator licensed in Maine. Upgrades, replacements, and authorized expansions of systems with a design flows greater than 2000 gallons per day shall be under the direction of both a licensed Site Evaluator and Professional Engineer.

5. The licensee shall maintain a file on the location of all system components and relevant features. Each component shall be mapped and field located sufficiently to allow adequate inspections and monitoring by both the licensee and the Department. Septic tanks and distribution box covers shall be accessible for inspections and pumping. Risers shall be installed as necessary.

6. All system components including collection pipes, tanks, distribution boxes, pumps, pumping stations, disposal fields, and manholes shall be identified and referenced by a unique system identifier in all logs and reports.

F. OPERATIONAL REQUIREMENTS

It shall be the responsibility of the licensee to ensure that:

1. Roof drains and foundation drains are not connected to any system.

2. Occurrences of excessive inflow and infiltration are corrected immediately.

3. Garbage disposal systems are not connected to any system unless specific measures have been taken to accommodate the increased loading to the system.

4. Backwash from home water softeners are not connected to any system.

5. Ponding of surface water over any disposal field does not occur and all sources of surface water are diverted away from the fields.

6. Driving or parking over any part of any system is prohibited, except in cases where weight-bearing components (H-20) have been installed and approved for use in the design.

7. Covering any part of a disposal field with a hard surface such as concrete or asphalt is prohibited.

8. Fields are kept free of woody vegetation and the digging or planting of anything other than grass or other similar herbaceous plants is prohibited.

9. Stockpiling of snow or soil on any disposal field is prohibited.

SPECIAL CONDITIONS

G. SEPTIC TANKS

1. All septic tanks shall be watertight and tanks must be constructed of materials approved by the Department and in accordance with the *Maine Subsurface Wastewater Disposal Rules*. Metal septic tanks are prohibited.

2. Inlet and outlet connections of each septic tank or compartment shall be designed to obtain effective retention of scum and sludge. All connections and baffles shall be fastened with and constructed of, or coated with, materials that are resistant to corrosion.

3. Septic tanks and other treatment tanks shall be regularly inspected (as specified in Special Condition I) and maintained to ensure that they are providing best practicable treatment.

4. Tank contents shall be removed whenever the sludge and scum occupies one-third of the tank's liquid capacity or whenever levels approach maximum design capacity.

H. GREASE TRAPS / INTERCEPTORS

1. The licensee shall require any commercial or institutional food preparation facility such as a restaurant, cafeteria, or institutional kitchen to install an external grease interceptor in accordance with the *Maine Subsurface Wastewater Disposal Rules*.

2. Grease interceptors shall be inspected at least twice per year to determine the volume of grease present. Tanks shall be cleaned when the volume of grease equals more than 50% of the liquid capacity of the tank or at any level that impairs the proper function of the unit.

I. LICENSEE INSPECTIONS

1. All inspections shall include an evaluation of any repair, upgrades, pumping, operational and/or maintenance needs.

2. The inspection report or log shall include the date of the inspection, the names of the person performing the inspection, and other relevant system observations.

3. System (single operational unit) inspections shall include: quantification of the source and type of sanitary sewage (and whether or not the facility being served is occupied at the time of inspection); and water use records. The form shall contain a general description of the system components and layout.

4. Septic tank inspections shall be conducted any time a tank is pumped and shall include: the approximate age, size and condition of the tank; depth and location of the scum layer; depth and location of the sludge layer; solids % of capacity; physical condition of the baffles, inlet and outlet tees; evidence of significant leakage into or out of tank (watertightness); evidence of backup of effluent; and cleaning of the effluent filter (if present).

SPECIAL CONDITIONS

I. LICENSEE INSPECTIONS (CONT'D)

5. Distribution box inspections shall include: condition of the box; evidence of solids carryover; leakage into or out of the box (watertightness); the static liquid level in the box; equal distribution of flow (level); evidence of backup; and other pertinent operational characteristics.

6. Disposal field inspections shall be conducted every spring and fall when the ground is saturated and shall include: any signs of hydraulic failure; condition of the surface vegetation; level of ponding within the chamber and on the disposal area; examination of texture and color or the adjacent soil; physical encroachments into the disposal area; and other sources of hydraulic loading. Evidence of system failure to note may include: sewage surfacing, sewage back-up, lush green growth, slow draining, sewage odors, sogginess or ponding.

7. Where practicable the licensee shall maintain and keep logs that record water level measurements in disposal fields at least once per week. Significant changes in water levels over the previous year will be identified, recorded and reported to the Department.

8. Systems with electrical or mechanical components, such as pumps, timers, control panels and alarms, need to be inspected and serviced according to manufacturer recommendations and in accordance with the facility operations and maintenance manual.

9. The licensee shall perform inspections at least once during each calendar year. Inspections are to be conducted more frequently for problem systems, large systems, where required by the operations and maintenance manual, and as necessary to investigate problems.

   Systems serving restaurants and other businesses or institutions must be inspected more frequently than residential systems (at least once per year), due to waste that is generally higher in strength and volume.

J. MAINTENANCE LOGS

Maintenance logs shall be maintained for each system component including pumps, dosing chambers, distribution boxes, septic tanks and absorption fields. At a minimum the log shall include the alphanumeric ID, the date of maintenance, type or maintenance performed, names of persons performing the maintenance, volumes directed to each field and other relevant system observations.

SPECIAL CONDITIONS

K. PUMPING STATIONS AND QUANTITY OF FLOW

1. The system shall be operated with a duplex pump system, or stand-by pump(s) should be available on-site (or satisfactory arrangement to obtain) for immediate use in order to prevent sewer overflows.

2. All pumps and controls must be tested and calibrated as recommended by the manufacturer and in accordance with the facility operations and maintenance manual, and repaired and replaced as necessary.

3. There shall be a high-level detection system with an alarm designed to promptly notify responsible persons in the event of a malfunction. The level detection system in the tank shall be set to activate at a level that will leave ample capacity in the pump tank in order to make repairs and or activate the standby pump.

4. Wherever feasible, agreements are to be made with nearby residents, patrolling police officers, and other Town employees to report activated alarms to the licensee as soon as possible.

5. A manual check of the operation of the pump, testing all level controls, switches and alarms shall be performed at least once per month.

6. Pump flows shall be recorded weekly and the average daily usage shall be compared month to month for signs of abnormal flow or overloading of the disposal field(s) in excess of design capacity. The MEDEP Facility Inspector shall be notified each month of all facilities with flows in excess of design levels.

7. Pumping rates shall be verified at least once per year for multi-bed systems or where changes in use are occurring. For single bed systems, pumping rates shall be verified at least once every three years.

L. PUMPING (SOLIDS REMOVAL FROM SEPTIC TANKS, DOSING CHAMBERS, DISTRIBUTION BOXES AND OTHER TREATMENT TANKS)

1. The licensee shall keep a pumping log including the date of pumping, quantity of material removed (solids % of capacity), name and number of licensed contractor, pumping frequency and other relevant observations.

2. Following pumping, the tanks shall be checked for damage at key joints and the inlet and outlet baffles, and repaired promptly.

SPECIAL CONDITIONS

M. OPERATIONS AND MAINTENANCE (O & M) PLAN

This facility shall have a current written comprehensive Operation & Maintenance (O & M) Plan. The plan shall provide a systematic approach by which the licensee shall at all times, properly operate and maintain all facilities and the systems of treatment and control (and related appurtenances) which are installed or used by the licensee to achieve compliance with the conditions of this license.

By December 31 of each year, or within 90 days of any process changes or minor equipment upgrades, the licensee shall evaluate and modify the O& M Plan including site plan(s) and schematic(s) for the wastewater treatment facility to ensure that it is up-to-date. The O& M Plan shall be kept on-site at all times and made available to the Department personnel upon request.

Within 90 days of completion of new and substantial upgrades of the wastewater treatment facility, the licensee shall submit the updated O&M Plan to their Department inspector for review and comment.

The site plan(s) and schematic(s) should be suitable for reproduction on 11" x 17" paper and shall include but not be limited to all manholes, septic tanks and other treatment tanks including holding and polishing tanks, pump stations and disposal fields. Each system component shall be provided with a unique alphanumeric identifier.

N. SUBMITTAL OF ANNUAL SUBSURFACE SYSTEM PERFORMANCE REPORT

By January 31st of each calendar year, the licensee shall submit to the Department for review and approval, an annual report of the treatment system's performance covering the previous calendar year (January 1 to December 31). The annual report shall include any standard reporting form(s) developed by the Department. (PCS codes 90199, 90299, 90399, 90499, 90599) The annual report shall include, but is not necessarily limited to, the following topics:

- A summary of the results of all inspections.
- A summary of all significant maintenance activities and repairs, and other specific action(s) taken to ensure the proper functioning of the systems. The summary shall include the date of the action(s), the name(s) of the person(s) performing it and other relevant information such as alphanumeric identifiers.
- A listing of all additions and deletions to the system or individual system components. The summary shall include the date of action, names of person(s) performing it, and other relevant information such as alphanumeric identifiers, component size and type.

SPECIAL CONDITIONS

N. SUBMITTAL OF ANNUAL SUBSURFACE SYSTEM PERFORMANCE REPORT (CONT'D)

- A summary of pumping activity for the previous calendar year for all septic tanks, dosing chambers, distribution boxes and other treatment tanks on the system. All system tanks shall be included for purposes of tracking solids accumulations and necessary pumping frequencies.

  The summary shall include: alphanumeric ID, wastewater source/type, tank size, solids content of tank prior to pumping (%), the previous pumping date, the date of the activity, name and number of licensed contractor, condition of the tanks at the time of pumping, average pumping frequency, next scheduled pumping date, and other relevant observations.

- Where applicable, a listing of beds/chambers in service and dousing rates (discharge schedule) for the previous five-year period.

- Where applicable, a summary of disposal field water levels logs for the previous calendar year and a trend analysis for the previous five-year period.

- Where applicable, a month to month comparison of the average daily pump flow (loading) rates for the previous calendar year and a trend analysis for the previous five-year period.

- A summary of the system(s) design flows, current flow levels and a listing of any changes to expected flow during the previous calendar year.

- A summary of all wastewater overflows (sanitary sewer overflows or SSOs), including manhole and building backups, for the previous calendar year. Note: SSOs are to be reported immediately to the Department.

- Amount of septage filtrate added to each system(s).

- Relevant performance observations, proposed corrective actions and schedule for improvements.

- A summary of any changes made to the O & M plan during the calendar year as the result of the above actions.

- The report shall be dated and signed by the certified treatment system operator in responsible charge (including operator grade and evidence of current status).

SPECIAL CONDITIONS

O. MONITORING AND REPORTING

Any submittals required or monitoring requirements shall be reported in accordance with the attached Standard Conditions and directed to the attention of the assigned Facility Inspector at:

Department of Environmental Protection
Bureau of Land and Water Quality
17 State House Station
Augusta, ME 04333-0017

P. REOPENING OF LICENSE MODIFICATIONS

Upon evaluation of any required test results, results of inspections and/or reporting required by the Special Conditions of this licensing action, additional site specific or any other pertinent information or test results obtained during the term of this license, the Department may, at anytime and with notice to the licensee, modify this license to require additional monitoring, inspections and/or reporting based on the new information.

ATTACHMENT A

MONTHLY OPERATIONS LOG

LICENSE
Attachment A
W006272-5L-D-R

MONTHLY OPERATIONS LOG

MUNICIPAL SUBSURFACE WASTEWATER TREATMENT FACILITIES

YEAR _____ Facility Name _____ D.E.P. Lic. No._____

Disposal Area's Name, (and/or) Number, (and/or) Location _____

Number of Leachfields in this particular disposal area _____ and number being rested this month_____

Design Capacity of each Leachfield in this particular disposal area (Gal/Day) _____

Number of Commercial Users _____ and % of Total Flow _____ to this particular disposal area.

Number of Residential Users _____ and % of Total Flow _____ to this particular disposal area.

MONTH _____

A	B	C	D	E	F	G	H	J	K
DATE	PUMP READING		PUMP		PUMP RATE		QUANTITY	LEACH BEDS	LOADINGS
Week Ending	Present	Previous	# Cycles (B-C)	# Hours (B-C)	Gal/Cycle	Gal/Min (gpm)	Gallons Pumped (DxF) or (E x G)	Name or Number of Bed(s) Utilized	Gal/Day to Beds (H ÷ # Days)

E.P. Form 59 4/96

DEPARTMENT OF ENVIRONMENTAL PROTECTION
Complete Set Of Monthly Monitoring Reports For The Year _____.
(Annual Year End Report For Municipal In Ground Dischargers)

Facility name: _____

Operator Name: _____
Operator's Job Title: _____
Work Location: _____
Telephone Number: _____
Other Facility Contact Name: _____
Other Facility Contact's Title: _____
Work Location: _____
Telephone Number: _____

Total Number Of Leach Field Disposal Areas Licensed: _____
Total Design Flow (G.P.D.) To All Leach Field Disposal Areas Combined: _____

Actual, Annual, Daily Average Influent Flow (G.P.D.) For This Particular Disposal Area: _____
Design Flow (G.P.D.) For This Particular Disposal Area: _____
Number Of Leach Beds Used At Any One Time: _____
Number Of Leach Beds Rested At Any One Time: _____

Signature Of Responsible Official _____ Date: _____
Job Title: _____

MAINE WASTE DISCHARGE LICENSE

FACT SHEET

Date: March 20, 2007
Revised: April 19, 2007

COMPLIANCE TRACKING NUMBER: #MEU506272
WASTE DISCHARGE LICENSE NUMBER: #W-006272-5L-D-R

NAME AND MAILING ADDRESS OF APPLICANT:

Town of Kingfield
Attn: John Dill
38 School Street
Kingfield, ME 04947-4214

COUNTY: FRANKLIN

NAME AND ADDRESS OF FACILITY:

Kingfield Wastewater Treatment System
171 Main Street
Kingfield, ME 04947

RECEIVING WATER/ CLASSIFICATION: Groundwater/Class GW-A

COGNIZANT OFFICIAL AND TELEPHONE NUMBER: John Dill
(207) 265-4638, kngfield@tdstelme.net

1. APPLICATION SUMMARY:

Application: The applicant has applied for a renewal of Waste Discharge License (WDL) #W006272-59-C-R / Compliance Tracking System #MEU506272, which was issued on May 29, 2002, administratively modified on April 14, 2004, and which expires on May 29, 2007. The WDL licensed the discharge of 0.077 million gallons per day (MGD) of treated sanitary wastewater from a series of 55 sub-surface treatment "systems" to the groundwater, Class GW-A, in Kingfield, Maine.

2. LICENSE SUMMARY

a. Terms and Conditions - By this renewal the Department is:

- carrying forward certain operational constraints and use restrictions germane to the successful operation of subsurface treatment systems; and

- resuming previous requirements for Annual Subsurface System Performance Reports.

b. History: Recent Department licensing actions include the following:

November 11, 1984	-	The Town of Kingfield submitted an application to the Department to install, operate and maintain a series of sub-surface wastewater disposal systems. Wastewater generated prior to that date was discharged to the Carabassett River (Class A) untreated.
April 15, 1985	-	The Department issued WDL #W006272-45-A-N which authorized the Town of Kingfield to discharge approximately 56,000 gallons per day (gpd) of wastewaters to the ground water via 55 sub-surface systems.
November 1, 1996	-	The Department issued WDL #006272-59-B-R for the continued use of the 55 sub-surface systems. Expired on November 1, 2001.
June 21, 2001	-	The Town of Kingfield submitted an application to the Department to renew WDL #006272-59-B-R.
May 29, 2002	-	The Department issued WDL #W006272-5L-C-R renewing and modifying Kingfield's license to discharge 0.077 MGD of treated sanitary wastewater from a series of 55 sub-surface treatment systems. The WDL was issued for a five year period.
April 14, 2004	-	The Department issued an Administrative Modification of WDL #W006272-5L-C-R, addressing receipt and dewatering of septage as well as inspection of grease interceptors and the treatment system.

c. Source Description:

Sanitary wastewater is generated by residential and commercial entities within the Town of Kingfield. There are no known industrial sources on the system. Design flows total over 77,000 gallons per day (gpd).

See Attachment A of this Fact Sheet for a listing of the system design flows.

d. Waste Water Treatment:

Wastewater treatment in Kingfield consists of 55 sub-surface "systems". A treatment "system" consists of a collection pipe(s), a treatment tank(s), a distribution device (either by gravity or pumping) and a sub-surface disposal field (conventional absorption fields or concrete chambers) designed, installed and operated as a single unit.

Systems serving individual residences or businesses have been termed "residential" and generally consist of individual septic tanks and disposal fields. "Neighborhood" or clusters systems generally consist of individual septic tanks serviced by a common disposal area. The central disposal system (No. 55), which services the Kingfield business district, consists of a gravity sewer collection system, two large septic tanks, a duplex pumping system, and a network of disposal fields. The pumping system and disposal fields for System No. 55 are located in a 24-acre field off Route 27 at the entrance to Town, overlooking the Carabassett River.

The 55 sub-surface systems provide a secondary level of treatment via septic tanks that provide settling and other physical, chemical and biological actions; and sub-surface disposal fields that distribute the flow and utilize the soil to further attenuate the pollutants in the wastewater. Where multiple disposal fields exist within a single system (neighborhood and the central system), fields are operated on an alternating or rotating basis in order to "rest" the beds.

See Attachment B of this Fact Sheet for a location map of the system service areas.

e. Collections Lines:

The applicant reports that except for a few house connections, the collection lines were installed new at the time of the sub-surface installation (in or about 1985) and therefore the Town expects to receive only relatively small amounts of infiltration and inflow.

f. Pumps:

Pump stations consist of nine "residential" stations (identified as R-1 through R-9) and nine (duplex pumps) "neighborhood" stations (identified as N-1 through N-9). In addition pumps PS-1, PS-2, PS3-1 and PS3-2 service the central downtown system (No. 55). In 1987, the floodwaters were 15 inches high within the central system pump house which prompted the raising of certain controls in the building.

The applicant currently records pump flow estimates once a week.

Attachment A of this Fact Sheet is a listing of pump station flow rates currently reported by the applicant.

g. Disposal Bed Water Levels:

Currently liquid level observations are made on the following systems utilizing existing observation ports or vent pipes: 14, 18, 19, 33, 39, 47, 48, 49, 54, and 55. By a December 26, 1996 letter to the licensee, the Department relieved the Town of their obligation to measure liquid levels for systems 20 and 21.

h. Combined Sewer Overflows (CSO's): There are no known combined sewer overflow points on the system.

i. Septage: The treatment facility only accepts septage into its systems as outlined in WDL Special Condition C. The licensee pumps septage from its own and residential septic tanks annually.

j. Septage Handling: In calendar year 2000, a Green Mountain portable septage dewatering unit was purchased. Filtrate from the dewatering unit is put back into treatment system and dewatered sludge is composted with sawdust at a new composting facility.

3. CONDITIONS OF THE LICENSE

Maine law, 38 M.R.S.A. Section 414-A, requires that the effluent limitations prescribed for discharges, including, but not limited to, effluent toxicity, require application of best practicable treatment (BPT), be consistent with the U.S. Clean Water Act, and ensure that the receiving waters attain the State water quality standards as described in Maine's Surface Water and Groundwater Classification Systems.

4. RECEIVING WATER QUALITY STANDARDS

Maine law, 38 M.R.S.A § 470 indicates the groundwater at the point of discharge is classified as Class GW-A receiving waters. Maine law, 38 M.R.S.A., §465-C describes the standards for Class GW-A waters as the highest classification of groundwater and shall be of such quality that it can be used for public water supplies. These waters shall be free of radioactive matter or any matter that imparts color, turbidity, taste or odor which would impair the usage of these waters, other than occurring from natural phenomena.

5. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

This licensing action carries forward certain operational constraints and use restrictions from the previous licensing action that the Department feels are germane to the successful operation of subsurface treatment systems. This licensing action resumes previous requirements for Annual Subsurface System Performance Reports due to the size and complexity of the wastewater treatment system.

6. USER EDUCATION

User education in the proper use and maintenance of the subsurface system is critical to the long-term operation of the disposal fields and the protection of groundwater. Therefore, the licensee is expected to provide system users with regular informational mailings, or similar means of public contact, on the proper use and maintenance of the subsurface wastewater system. Such as: proper disposal of hazardous waste, elimination of harmful household cleaners, grease and other non-degradables in the system; and water conservation practices.

7. MAINTAIN ADEQUATE BUFFERS AND LAND FOR REPLACEMENT

The licensee is expected to provide adequate buffers from other land uses, and retain where possible land for system expansion or replacement.

8. GARBAGE DISPOSALS

Garbage disposal systems can increase the amount of solids added to the system up to 50 percent and should not be used with subsurface systems. However, if such units are proposed or in use, it is the responsibility of the licensee to ensure that the subsurface system can accommodate the additional waste and that all necessary measures are taken, as specified in the *Maine Subsurface Wastewater Disposal Rules*, to prevent excess suspended solids from entering the disposal system.

9. BACKWASH FROM HOME WATER SOFTENERS

Backwash from home water softeners are believed to hinder the operation of septic tanks under certain conditions and it shall be the responsibility of the licensee to ensure that such systems are prohibited.

10. DISCHARGE IMPACT ON RECEIVING WATER QUALITY

As licensed, the Department has determined the existing water uses will be maintained and protected and the discharge will not cause or contribute to the failure of the water body to meet standards for Class GW-A classification.

11. PUBLIC COMMENTS

Public notice of this application was made in the Sugarloaf Irregular newspaper on or about February 7, 2007. The Department receives public comments on an application until the date a final agency action is taken on that application. Those persons receiving copies of draft licenses shall have at least 30 days in which to submit comments on the draft or to request a public hearing, pursuant to Chapter 522 of the Department's rules.

12. DEPARTMENT CONTACTS:

Additional information concerning this licensing action may be obtained from and written comments should be sent to:

Robert D. Stratton
Division of Water Quality Management
Bureau of Land and Water Quality
Department of Environmental Protection
17 State House Station
Augusta, Maine 04333-0017

Telephone (207) 287-6114
Fax (207) 287-3435
email: Robert.D.Stratton@maine.gov

13. RESPONSE TO COMMENTS

During the period of March 20, 2007 through April 19, 2007, the Department solicited comments on the proposed draft Maine Waste Discharge License to be issued to the Town of Kingfield for the proposed discharge. The Department did not receive any comments that resulted in significant revisions to the license, but made some minor internal revisions. Therefore, no response to comments has been prepared.

ATTACHMENT A

System Contributors

Town of Kingfield-#W006272-5L-C-R
Fact Sheet Attachment "A"
Waste Discharge Licenxse Application
Revised February 2007

System #	Pump ID	Party Served	Street Address	Tax Map/ Lot #	Design Flow (GPD)	Comments
		Upper Maple Street				
1		Mark Sweeney	79 Maple	06/25	360	
2		Whitfield Horn	73 Maple	18/44	360	
3		John Lander	59 Maple	18/45	360	
4		Lois Gould	51 Maple	18/46	360	
5		Merlin White	47 Maple	18/47	360	
6		James Hosington	48 Maple	18/48	360	
7A	R-1	Olan Johnston	41 Maple	18/49	360	
7		Lorna Campbell	37 Maple	18/50	360	
8		Wendell Dunham	31 Maple	18/51	280	
		David Hart	29 Maple	18/51	360	
9		Ralph Parker	21 Maple	16/06	360	
10		Everett Jordan	74 Maple	18/38	360	
11		Stephen Neal	32 Maple	15/43	280	
12		Ginny Bousum	28 Maple	15/42	360	
13		Donald Murray	24 Maple	15/41	360	
		Total Upper Maple Street			5240	
		Maple Street Neighborhood System		**15/40**		
14	N-1	David Loane	19 Maple	16/07	360	
		Dubeau/Files	17 Maple	16/08	280	
		George Siekman	15 Maple	16/09	280	
		William Holtham	22 Maple	15/40	280	
		Steven Sitz	13 Maple	16/10	360	
		Michelle Lucey	1 Island	15/33	480	
		Total Maple Street Neighborhood System			**2040**	
		Lower Maple Street Residential Systems				
15	R-3	William Holtham	12 Maple	15/29	360	
16		Fred Niidas	5 Maple	16/22	360	
17	R-2	Robert Tripi	1 Maple	16/23	360	
		Susan Davis	26 Lexington	16/24	360	
		Total Lower Maple Street Residentail System			**1440**	
		Roxbbury Street Neighborhood System		**16/12**		
	N-2	Thomas McCafferty	19 Stanley Ave	16/15	480	
		Dan Davis	3 Stanley Ave	16/16	600	
		Dan Davis	1 Stanley Ave	16/16	1050	
		Hubert Norton	21 Stanley Ave	16/14	360	
		Scott Taylor	29 Stanley Ave	16./13	360	
		David Guernsey	20 Stanley Ave	16/19	600	
		Courtney Oland	2 Stanley Ave	16/17	360	
		Henry Williams	35 Stanley Ave	16/11	225	
		Total Roxbury Street Neighborhood System			**4035**	

Town of Kingfield-#W006272-5L-C-R
Fact Sheet Attachment "A"
Waste Discharge Licenxse Application
Revised February 2007

System #	Pump ID	Party Served	Street Address	Tax Map/ Lot #	Design Flow (GPD)	Comments
		Lower Riverside Neighborhood System		**16/31-1**		
19	N-3	Nok Hem	28 Lexington	16/25	360	
		Victor Nichols	30 Lexington	16-26	360	
		Robert Brown	31 Lexington	16/03	360	
		Barbara Nickerson	40 Lexington	16/27	360	
		Poulin/Towle	41 Lexington	16/02	280	
		Joanne Nickerson	52 Lexington	16/28	360	
		Clayton Wilbur	56 Lexington	16/29	360	
		Total Lower Riverside Neighborhood System			**2440**	
		Middle Riverside Road Neighborhood System				
20		James Meyers	58 Lexington	16/31	920	
		Wayne Plummer	60 Lexington	16/32	360	
		Cecelia Stanley	62 Lexington	16/33	360	
		Paul Giroux	63 Lexington	14/09	360	
		Total Middle Riverside Road Neighborhood System			2000	
		Upper Riverside Neighborhood System		**14/06**		
21		Chrustopher Rushton	1 Riverside	14/08	360	
		Marjorie Trenholm	5 Riverside	14/07	280	
		David Taylor	6 Riverside	14/10	360	
		Marilyn Oliver	9 Riverside	14-06	360	
		Total Upper Riverside Neighborhood System			1360	
22		Babson/Dumont	19 Riverside	14/05	360	
		North Main Street Residental System				
23		Kingfield Woodsman	372 Main	18/20	1050	Replaced bed
24		Greg West	368 Main	18/17	480	enlarged 1998
25		Tranten's II	361 Main	18/29	720	
26		James Williamson	359 Main	18/30	360	
27	R-4	Stacy Cuppernell	355 Main	18/31	360	
28	R-5	Colby Robinson	353 Main	18/32	280	
		Russell Dunham	345 Main	18/33	360	
29		Jane Daly	341 Main	18/34	280	
30		Randy Cousineau	333 Main	18/35	360	
31		Randy Cousineau	329 Main	18/35	360	
32		Donavon Gaston	4 West Kingfield	18/09	360	
		Total North Main Street Residental System			**4970**	
		North Main Street Neighborhood System		**18/08**		
33	N-9	Sid Savage	342 Main	18/08	360	
		Weikko Sillampa	334 Main	18/07	360	
		Richard Keenan	332 Main	18/06	360	
		Paul Rawson	328 Main	18/05	280	

Town of Kingfield-#W006272-5L-C-R
Fact Sheet Attachment "A"
Waste Discharge Licenxse Application
Revised February 2007

System #	Pump ID	Party Served	Street Address	Tax Map/ Lot #	Design Flow (GPD)	Comments
		David Shanahan	322 Main	15/21	660	
		Robert Woodhouse	12 West Branch	15/22	360	
		David Shanahan	7 West Branch	18/04	360	
		Paul White	9 West Branch	18/03	360	
		Total North Main Street Neighborhood System			3100	
34		Maurice Lambert	298 Main	15/19	360	
		Salem Street Residential System				
35		Kathy Grimes	12 Pleasant	15/77	360	
36		Jean Ferris	13 Pleasant	15/01	360	
37		Gulliver/Joyal	1 Pleasant	15/02	360	
38	R-8	Margaret Winter	36 Salem	13/06	360	
		Thelma Cyr	31 Curve	13/07	480	
		Total Salem Street Residential System			1920	
		Upper School Street Residential Systems		**15/65**		
39	R-7	Duane Plum	50 High	15/65	480	
	N-5	Baptist Church	40 High	13/42	200	
		Nadine Nichols	63 School	13/24	280	
		John Winter	59 School	13/25	280	
		Tami Ellis	57 School	13/26	360	
		American Legion	62 School	13/23	250	
		Shari Dufreesne	60 School	13/22	360	
		Total Upper School Street Residential Systems			2210	
		High & School Street Residnetial Systems				
40		Roanld Layton	34 High	13/41	480	
41		John Hagerstrom	43 School	13/28	360	
42		John Ritzo	18 High	13/39	280	Replaced 2000
43		Baptist Parsonage	14 High	13/38	360	
44		Paul Withee	8 High	13/37	360	
45		Robert O'Conner	21 School	13/33	280	
46		Richard McNell	18 School	13/36	360	
		Total High & School Street Residnetial Systems			2480	
		Lower School Street Neighborhood System		**03/18**		
47	N-7	Neal Trask	25 School	13/32	460	
		Katherine Hewey	33 School	13/30	360	
		Albert Woods	37 School	13/29	320	
		Michael Kankainen	28 School	13/57	320	
		Town of Kingfield	38 School	13/58	325	
		Total Lower School Street Neighborhood System			1785	

Town of Kingfield-#W006272-5L-C-R
Fact Sheet Attachment "A"
Waste Discharge Licenxse Application
Revised February 2007

System #	Pump ID	Party Served	Street Address	Tax Map/ Lot #	Design Flow (GPD)	Comments
		Mid School Street Neighborhood System		**13/28**		
48	N-6	Methodist Parsonage	56 School	13/21	360	
		Mary Beth LaMotte	53 School	13/27	360	
		Joyce Howe	52 School	13/19	360	
		Floyd Norton	48 School	13/18	360	
		Wendell Gilmore	4 Sumner	13/58-1	300	
		Stanley Museum	38 School	13/58	270	
		Total Mid School Street Neighborhood System			2010	
49	N-8	**Curve Street Neighborhood System**		**13/58**		
		Jay Scribner	24 Curve	13/61	360	
		James Daigle	22 Curve	13/59	360	
		David Kent	13 Curve	13/14	360	
		Tynne Pillman	12 Curve	13/16	360	
		Naida Woodcock	11 Sumner	13/17	360	
		Vernon Dexter	5 Curve	13/15	360	
		Total Curve Street Neighborhood System			2160	
		Main & High Street Residential System				
50		Prindle/Barnham	41 High	13/43	360	
51		Peter Davenport	37 High	13/44	360	
52		Danny Hallowell	218 Main	13/48	360	
53		Francis Doherty	25 School	13/45	360	Replaced Bed
		Total Main & High Street Residential System			1440	Enlarged
54	N-4	**Main Street Neighborhood System**		**03/19**		
		Patricia Cunningham	215 Main	13/50	360	
		Rose Winter	211 Main	13/51	480	
		Donald Handrahan	203 Main	13/53	360	
		Michael Eareckson	26 High	13/40	360	
		Barbara Spark	21 High	13/46	360	
		Twiss/Masterson	15 High	13/47	360	
		Alan Stewart	184 Main	13/36	360	
		Paul Croteau	180 Main	13/35	225	
		Paul Croteau	180 Main	13/35	140	
		William Niemi	11 School	13/34	360	
					3365	
55	PS-1 PS-2	**Downtown Area System**			30000	
		Total Designed Flow			77020	

Town of Kingfield - #W006272-5L-C-R
Fact Sheet Attachment "C"
Pump Station Flow Rates as Reported by the Applicant 10/18/01

Residential Pump Stations

Pump ID	System No.	Location	Gallons per Minute
R-1	7A	Maple Street	30
R-2	17	Riverside (Route 16)	33
R-3	15	Maple Street	38
R-4	27	North Main Street	38
R-5	28	North Main Street	56
R-6	29	North Main Street	38
R-7	39	Upper School Street	40
R-8	38	Salem Street	36
R-9	53	South Main/High Street	38

Neighborhood Pump Stations

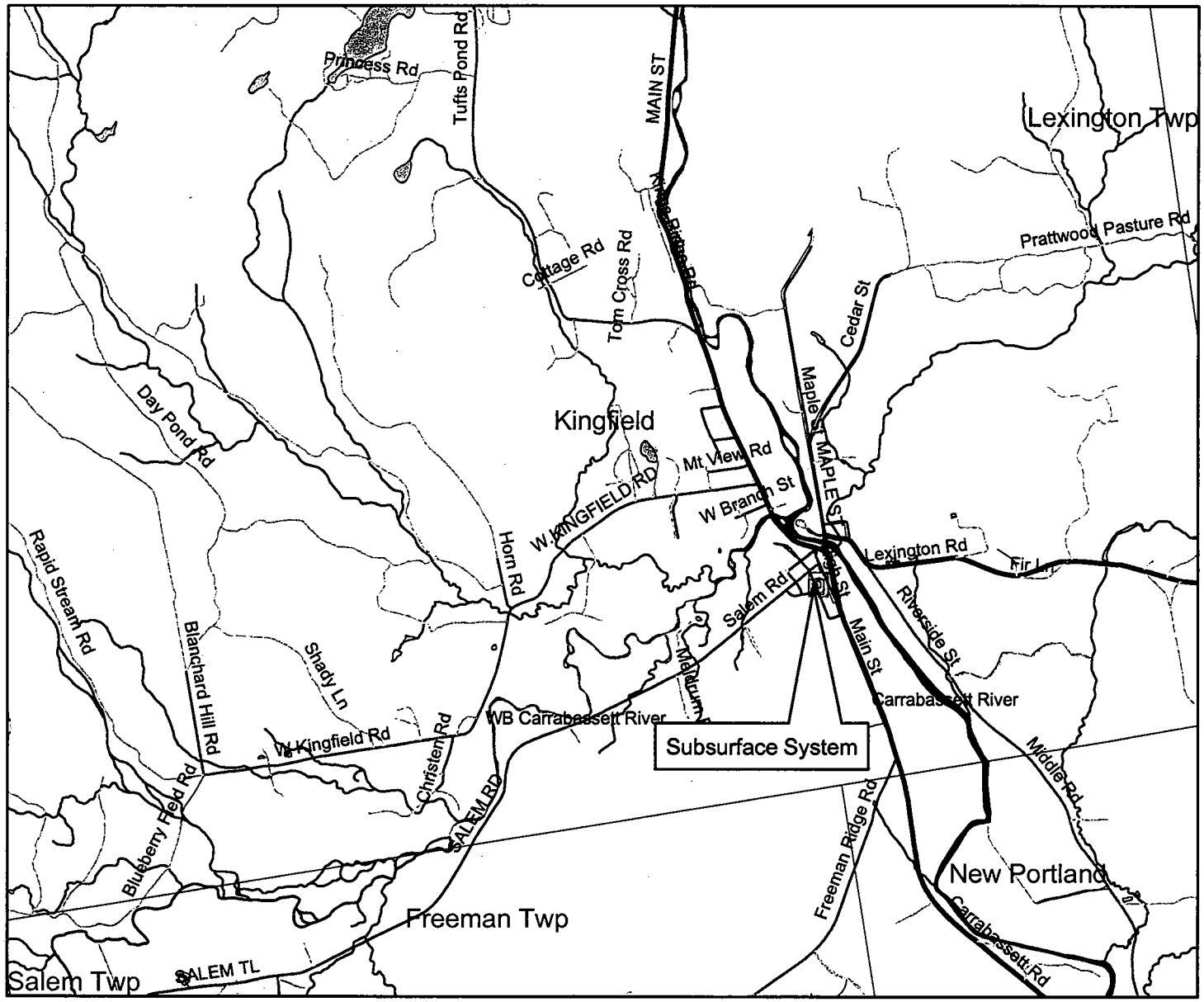
Pump ID	System No.	Location	Gallons per Event
N-1	14	Maple Street	176
N-2	18	Roxbury Street	335
N-3	19	Riverside (Route 16)	317
N-4	54	South Main Street	335
N-5	39	Upper School Street	123
N-6	48	Middle School Street	440
N-7	47	Lower School Street	405
N-8	49	Curve Street	335
N-9	33	North Main Street	255

Central Collection System

Pump ID	System No.	Location	Gallons per Event
PS-1	55	South Main Street	898.9
PS-2	55	South Main Street	888.3

ATTACHMENT B

Facility Schematics and Location Map



Legend

Rivers

- AA
- A
- B
- C

Streams

- AA
- A
- B
- C
- Ponds and Lakes
- Wastewater_Facilities
- Wastewater_Outfalls

Roads

JURISDICTION

- Town Road
- Town Road - Summer
- Town Road - Winter
- State-aided Highway
- State Highway
- Toll Highway
- Private Road
- Reservation Road
- Seasonal Parkway

N

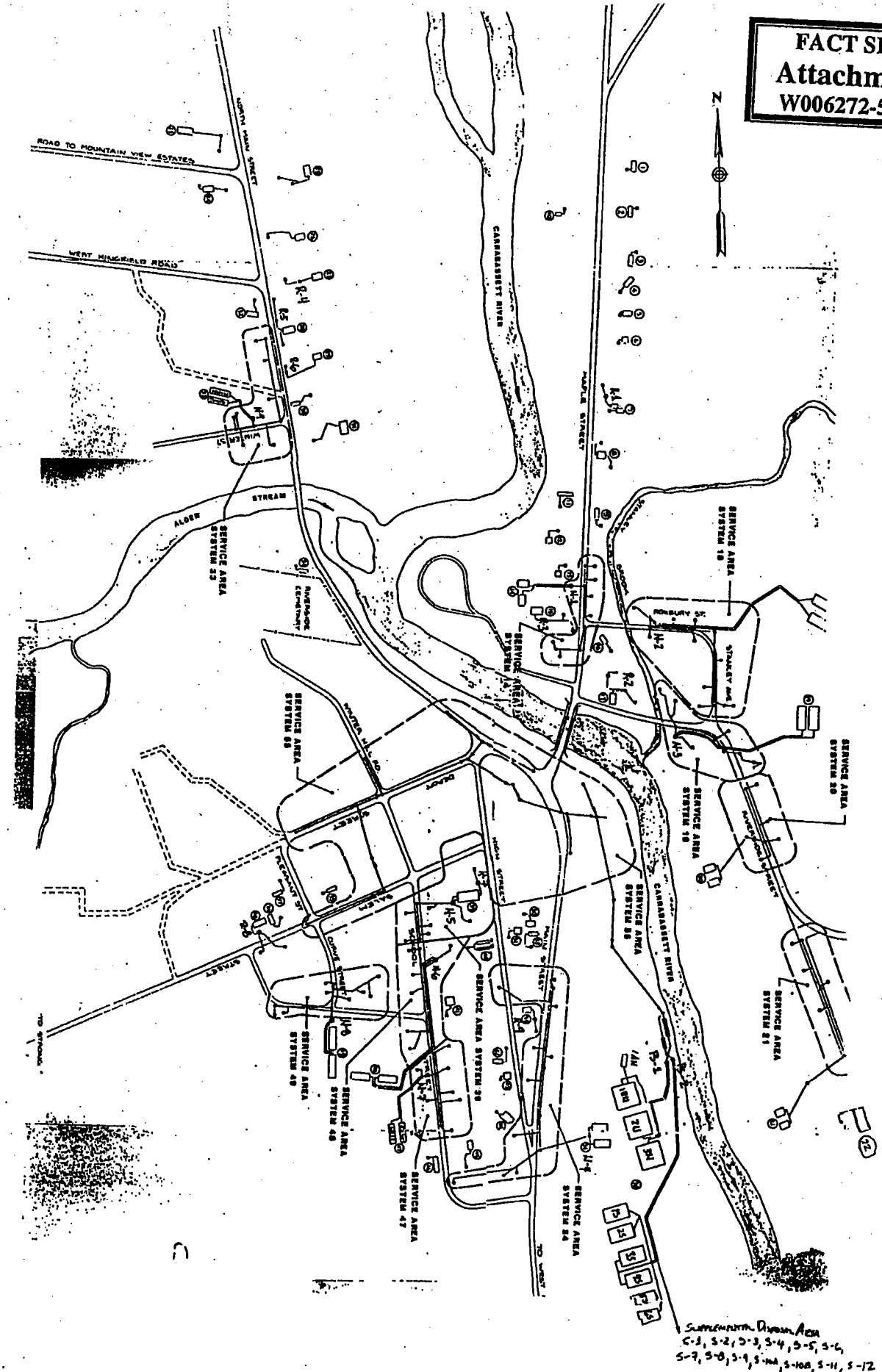
0 0.25 0.5 1 1.5 2 Miles

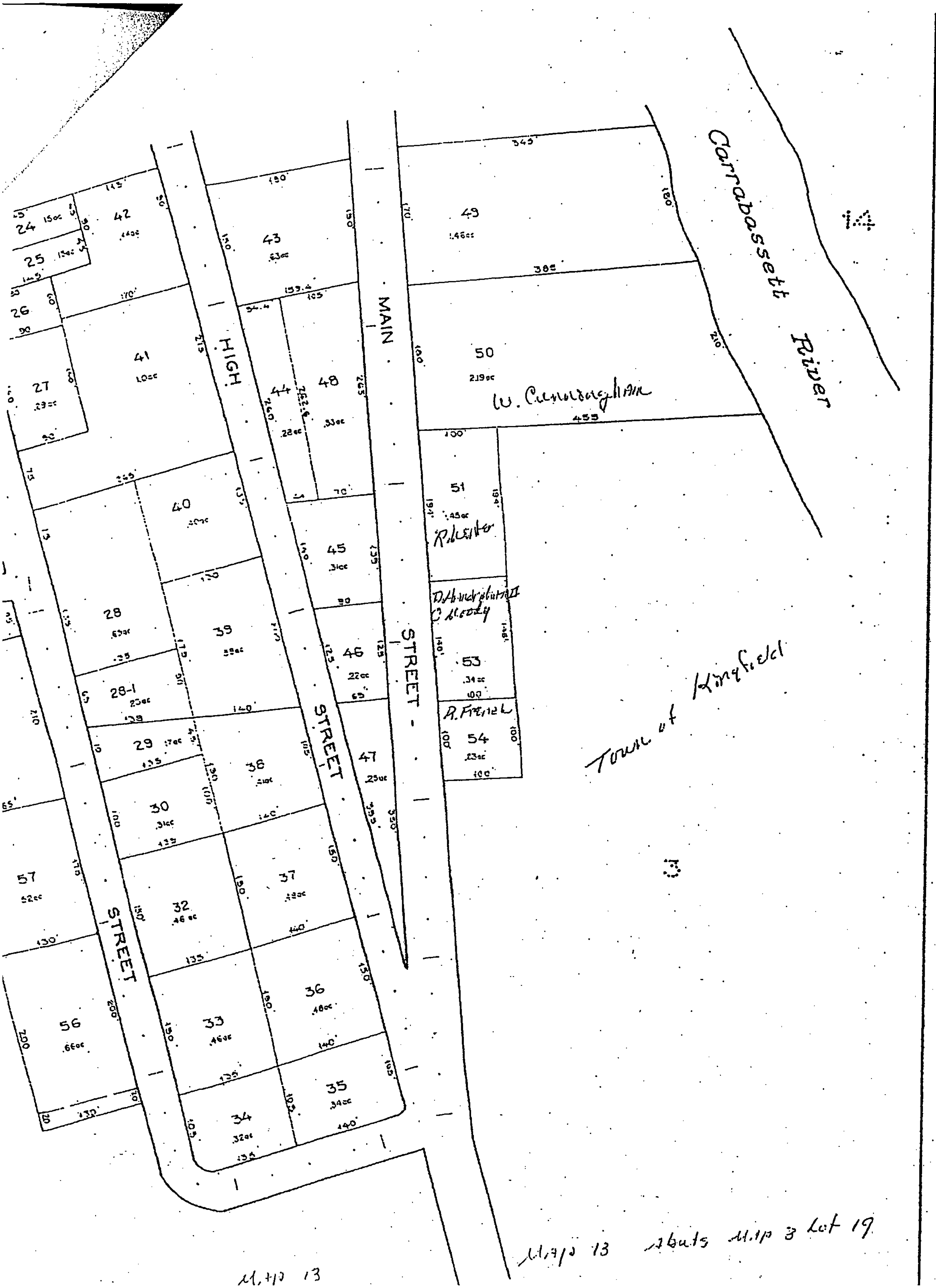
Town of Kingfield
Kingfield, Maine

Map created by:
Bob Stratton
Division of Water Quality Management
Maine Department of Environmental Protection

DEPARTMENT OF ENVIRONMENTAL PROTECTION
STATE OF MAINE

FACT SHEET
Attachment B
W006272-5L-D-R




Carrabassett River
14
MAIN STREET
HIGH STREET
STREET
W. Cunningham
R. French
Town of Kingfield
13
24
25
26
27
28
28-1
29
30
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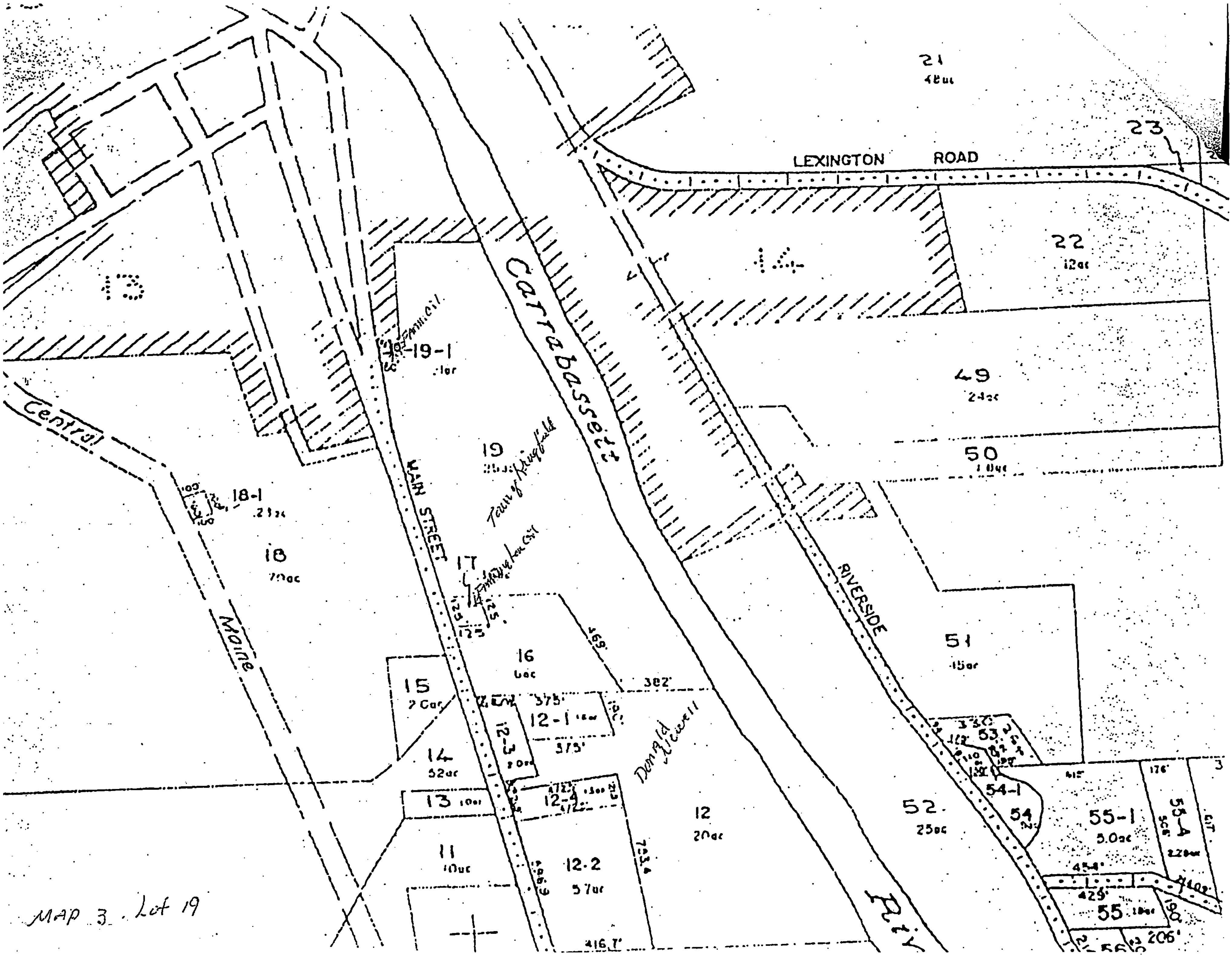
Map 13 abuts Map 3 Lot 19
Map 13


LEXINGTON ROAD
RIVERSIDE
MAIN STREET
Carrabassett
Riv
Central
Maine
21
48ac
22
12ac
23
14
49
24ac
50
51
15ac
52
25ac
53
54
54-1
55
55-1
5.0ac
55-4
13
19
19-1
17
16
6ac
15
14
52ac
13
11
10ac
12
20ac
12-1
12-2
12-3
12-4
18
70ac
18-1
Town of Kingfield
Donald Newell
469'
382'
375'
753.4
416.7'
206'
Map 3 Lot 19

ATTACHMENT C

Supplemental Materials

SEPTIC SYSTEM DO's AND DON'Ts

DO's

Do learn the location of your septic tank and drainfield. Keep a sketch of it handy with your maintenance record for service visits.

Do have your septic system inspected annually.

Do have your septic tank pumped out regularly by a licensed contractor. *(See the table on page 6 for estimated pumping frequencies.)*

Do keep your septic tank cover accessible for inspections and pumpings. Install risers if necessary.

Do call a professional whenever you experience problems with your system, or if there are any signs of system failure.

Do keep a detailed record of repairs, pumpings, inspections, permits issued, and other maintenance activities.

Do conserve water to avoid overloading the system. Be sure to repair any leaky faucets or toilets.

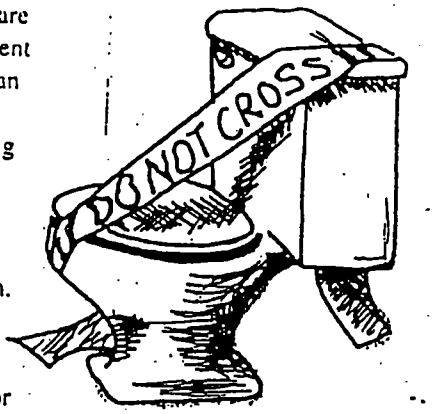
Do divert other sources of water, like roof drains, house footing drains, and sump pumps, away from the septic system. Excessive water keeps the soil in the drainfield from naturally cleansing the wastewater.

WARNING

Be sure to exercise appropriate caution when inspecting a septic tank. Never allow anyone to inspect a septic tank alone or go down into a septic tank. Toxic gases are produced by the natural treatment processes in septic tanks and can kill in minutes—even just looking in the tank can be dangerous.

DON'Ts

Don't go down into a septic tank. Toxic gases are produced by the natural treatment processes in septic tanks and can kill in minutes. Extreme care should be taken when inspecting a septic tank, even when just looking in.



Don't allow anyone to drive or park over any part of the system.

Don't plant anything over or near the drainfield except grass. Roots from nearby trees or shrubs may clog and damage the drain lines.

Don't dig in your drainfield or build anything over it, and don't cover the drainfield with a hard surface such as concrete or asphalt. The area over the drainfield should have only a grass cover. The grass will not only prevent erosion, but will help remove excess water.

Don't make or allow repairs to your septic system without obtaining the required health department permit. Use professional licensed septic contractors when needed.

Don't use septic tank additives. These products usually do not help and some may even be harmful to your system.

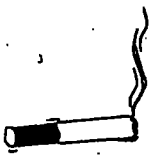
Don't use your toilet as a trash can or poison your septic system and the groundwater by pouring harmful chemicals and cleansers down the drain. Harsh chemicals can kill the beneficial bacteria that treat your wastewater.

Don't use a garbage disposal without checking with your local regulatory agency to make sure that your septic system can accommodate this additional waste.

Don't allow backwash from home water softeners to enter the septic system.

Do not flush

coffee grinds
dental floss
disposable diapers
kitty litter
sanitary napkins
tampons
cigarette butts
condoms
fat, grease, or oil
paper towels



and hazardous chemicals, such as:
paints
varnishes
thinners
waste oils
photographic solutions
pesticides

These items can overtax or destroy the biological digestion taking place within your system.