

CITY OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL PROTECTION

**List of Approved Water Meters
and Related Equipment**

Maintained under the authority of RCNY §20-05(d)(1)

**Bureau of Customer Services
Technical Services Division
59-17 Junction Blvd. - 1st Floor LR
Flushing, New York 11373-5107**

July 2013



Michael R. Bloomberg, Mayor

Carter H. Strickland, Jr., Commissioner

Please discard any earlier versions of this list that are in your possession.

If you have questions about this list, or wish to submit products for approval, please email or write:

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Revisions in July 2013 Edition

Removal of all Elster/Amco mechanical meters
Minor revision of the section “Meters Approved for Combined Fire/Domestic Services”
Addition of several clarifying notes in several sections

Revisions in July 2012 Edition

Deletion of list of DCV’s and link to Cross Connection Handbook
Deletion of Actaris/Itron meters as Itron has exited the single-jet meter market in the United States
Addition of Neptune TRU/MAG (AC-powered only) and Small Electronic Meters
Deletion of several outdated models or models that are not NSF61 compliant
Update of the following sections: AMR, Meters to Avoid Calibration in Place, Single-Jet and Electromagnetic Meters, Remote Wire Specification

Note concerning RCNY Chapter 20

A new version of RCNY Chapter 20 (“Rules Governing and Restricting the Use and Supply of Water”) was promulgated in June 2009. The changes can be downloaded from the DEP website. Forms and Permits > Water and Sewer Forms and then scroll almost to the bottom. Additional changes are being proposed for 2013.
http://www.nyc.gov/html/dep/html/forms_and_permits/wsforms.shtml

Note Concerning AMR Development, Remote Receptacles and Neptune Meters

DEP is 97% complete in deploying an Aclara RF fixed network AMR system. Meters installed under permit shall continue to include the installation of a remote receptacle for the present, however, licensed plumbers are reminded that **all three wires must be properly connected at the register head** to allow simple installation of an AMR box. Neptune meters must have an E-Coder register head factory programmed for use with an Aclara standard MTU. For more information on AMR: www.nyc.gov/dep

General Note About Filing Plans for Engineers: Two Submissions Are Required

Backflow prevention devices: Cross Connection Control Unit (3rd Floor, 96-05 Horace Harding Expressway)
Domestic water meter settings: Borough Office of the Bureau of Customer Services as per RS-16 P107.3(c)(9)
Manhattan: 1250 Broadway – 8th Floor
Bronx: 1932 Arthur Avenue – 6th Floor
Brooklyn: 250 Livingston Street – 8th Floor
Queens: 96-05 Horace Harding Expressway, 1st Floor
Staten Island: 60 Bay Street – 6th Floor

Note on “No Lead” Alloys

DEP rules require that all water meter bodies now be composed on an alloy that meets current NSF61 standards. Meter manufacturers may use more than one alloy to accomplish this purpose and the mention of a specific alloy in this document does not preclude a manufacturer from using another equal or superior alternative.

DISPLACEMENT METERS

Badger Recordall with ADE register EnviroBrass II or Bialloy version	5/8" to 2"
Hersey IIS 400 and 500 Series, EnviroBrass II version with Translator Encoded Register	5/8" to 2"
Neptune T10 E-Coder	5/8" to 2"
Sensus SRII-BA and Accustream (BiAlloy only).....	5/8" to 2"

Application Notes: Displacement meters are not to be used as the single meter on a combined service or a domestic service with fire sprinkler heads. Single-jet or electronic meters are to be used for such applications. 2" displacement meters are to be used only on domestic services for buildings run on street pressure (no pumps).

SMALL ELECTRONIC METERS

Badger E-Series.....	5/8" to 2"
Sensus iPerl.....	5/8" to 1"

Note: These meters have been approved for private plumber installations but are not approved as qualified for DEP-DCAS meter purchases pending resolution of other qualification issues related to city purchase contracts.

TURBINE METERS - REQUIRES APPROVED OEM STRAINER

Elster evoQ4 Electronic Meter	1 1/2" to 12"
Badger Recordall II with ADE register (EnviroBrass II or Bialloy)	2" to 12"
Hersey MVR Vertical Turbine (has internal strainer) w/ Translator Encoded Register only (EnviroBrass II)	1" to 6" (Note 2)
Neptune HP Turbine E-Coder only.....	1 1/2" to 10"
Neptune HP Turbine E-Coder only.....	12", 16", 20"
Sensus Omni T2.....	1 1/2" to 6"
Sensus Series W Turbine (Iron Body)	16"

Application Notes: Turbine meters are to be used only for applications with a relatively high demand profile, generally only services which feed house tanks or other high-flow pumped distribution systems. Systems with intermittent operation booster or hydro-pneumatic pumps which operate primarily on street pressure shall use compound, single-jet or electromagnetic meters. Electronic meters are acceptable as an alternative to a turbine meter. This category of meters should be sized based on the flow rate (gpm) of the house pump(s).

COMPOUND/VARIABLE FLOW METERS - REQUIRES APPROVED OEM STRAINER

Badger Recordall with ADE register (EnviroBrass II or Bialloy).....	2" to 6"
Neptune Truflo Compound w/ E-Coder	2" to 6"
Neptune 6"x8" Tru/Flo Compound Assembly	8" only
Sensus Omni C2.....	1 1/2" to 6"

Compound meters are not to be used for buildings with house pumps and a roof tank and any other application where flow rate is never below 5 gpm. ***Single-jet and electronic meters are acceptable alternatives to compound meters. Note: DEP is proposing to end approval of compound meters in 2014.***

NOTE 1: Turbine meters 6" to 12" must have a registration that measures in 100 cubic foot units.

NOTE 2: The Hersey MVR vertical turbine and Sensus Omni meter have an internal strainer and do not require an external strainer.

SINGLE-JET AND ELECTROMAGNETIC METERS

Elster (Amco) Aquamaster Electromagnetic (AC-powered)	10" +
Elster (Amco) evoQ4 Electronic (Electromagnetic).....	1½" – 12"
Metron-Farnier Spectrum (Innov8 Register only)	5/8" to 6"
Neptune TRU/MAG Electromagnetic (<u>AC-powered only, turbine type applications only, E-Coder register</u>).....	4" to 10"

Application Notes: A strainer is not required for single-jet or electromagnetic meters unless it is required by the manufacturer or desired by the owner. The meter setting layout shall be the same as a compound or turbine meter, except that Metron-Farnier single-jets do not require minimum straight pipe lengths before and after the meter. Single-jet meters must be installed in a horizontal plane. Aquamaster and TRU/MAG meters **must** be provided with a source of electric power by the property owner and wired to power as part of the installation. Single-jet and Elster electromagnetic meters are both acceptable alternatives to compound meters and all electromagnetic meters are also an acceptable alternative to turbine meters. The terms “Electronic and Electromagnetic” are synonymous.

METERS TO USE TO AVOID “CALIBRATION IN PLACE”

Turbine and compound meters with a strainer generally require straight pipe equal to five pipe diameters upstream of the meter and three pipe diameters downstream. Installations up through 6" that do not meet this requirement shall make use of the following technologies that do not require the same minimum straight pipe lengths before and after the meter:

If the application is constant flow (traditionally a turbine meter):

- Hersey Vertical Turbine MVR 1" – 6" (No straight pipe required)
- Elster evoQ4 1½" – 12" (No straight pipe required)
- Sensus Omni T2, F2 1½" – 6" (Only 2.5 pipe diameters of straight pipe before and after are required)

If the application is variable flow (traditionally usually uses a compound meter):

- Single-jet meter (Metron-Farnier) up to 6" (no straight pipe required)
- Elster evoQ4 2" – 10" (No straight pipe required)
- Sensus Omni C2 1½" – 6" (Only 2.5 pipe diameters of straight pipe before and after are required)

FIRE SERVICE METERS - REQUIRES FM/UL APPROVED STRAINER

Elster evoQ4 (Fire Service Model)	3"to 12"
Elster Aquamaster (FM/UL Model).....	10"+
Badger FSM w/ ADE register	3" to 10"
Badger FSA w/ ADE register.....	4" to 12"
Neptune HP Fire Service Turbine with E-Coder register	3" to 10"
Neptune Trident Protectus III with E-Coder register.....	4" to 10"
Sensus Omni F2.....	4" to 10"
Metron-Farnier Enduro (turbine-type applications)	6" and 8"

Application Notes: Fire Service Meters are to be installed only on services 3" and larger that provide both domestic and fire service. Dedicated fire services should have a detector backflow device as approved by Cross Connections Control. Turbine FSM's are to be used only for applications with a relatively high demand profile, generally only services which feed house tanks or other pumped distribution systems if required by the Building Code. Compound versions are to be used in applications without house pumps. The Aquamaster Fire Service Model and evoQ4 do not require a strainer. Aquamaster meters **must** be provided with a source of electric power by the property owner. The evoQ4 and Aquamaster can substitute for turbine-type and compound-type FSM's. Fire-rated electronic meters can be installed on domestic services without fire sprinklers.

DETECTOR ASSEMBLIES

An approved displacement meter with an encoding register and remote receptacle is required on the bypass and shall be 3/4" in size. Lists of approved backflow equipment can be found in the "Revised New York City DEP Supplement to the New York State Department of Health (DOH) Handbook for Cross Connection Control"

http://www.nyc.gov/html/dep/html/forms_and_permits/backflow.shtml

METERS APPROVED FOR COMBINED FIRE/DOMESTIC SERVICES

Where the term "combined service" is used here it describes any water service that supplies both domestic needs and any number of fire protection sprinklers.

For 1" and 1½" combined services:

- Alternate 1: Electronic meter
- Alternate 2: Single-jet meter as long as installation is horizontal +/- 10 degrees

For 2" combined services not flowing to house pumps or fire service pumps:

- Alternate 1: Electronic meter
- Alternate 2: Single-jet as noted above
- Alternate 3: Displacement meter on domestic branch and detector check valve assembly on the fire branch.

Note: 2½" combined services shall use upsized equipment and shall adhere to the requirements for 3" combined services.

For 2" and larger combined services to pumps/house tank or fire service pumps:

- Alternate 1: Turbine meter (3" and larger) one meter for the entire service
- Alternate 2: Electronic meter (2" or larger) one meter for the entire service
- Alternate 3: If there are two distinct branches separating within view of the point of entry, a domestic meter can be placed on the pumped domestic branch and detector backflow prevention device on the fire branch.

For 3" and larger combined services not flowing to house pumps:

- Alternate 1: Fire service compound, FM-rated electronic or electromagnetic meter at head of the combined service.
- Alternate 2: Double detector check valve assembly on the fire service branch and a domestic-type meter (positive displacement, electromagnetic, single-jet or compound) on the domestic branch.

METERS APPROVED FOR EVAPORATIVE COOLING TOWERS

Displacement, single-jet, electronic or turbine meters. Make-up water meters for evaporative cooling towers that are used for the calculation of a wastewater allowance are the property and responsibility of the property owner or their agent. Make-up water meters for cooling towers which are used for direct billing by DEP are the property and responsibility of DEP. In either case, the remote receptacle must be placed on an exterior building wall for placement of an AMR MTU.

METER STRAINERS

Only flat-plate or “z plate” strainers from the meter manufacturers are approved, except for products noted above which have internal strainers, or FM/UL-rated strainers for fire service meters.

HOT WATER METERS

Hersey Vertical Turbine (hot water version), reading in cubic feet and equipped with Translator Encoded register and remote receptacle^{3/4"} to 2"
Metron-Farnier Spectrum w/Innov8 Register (Rated to 140°).....^{3/4"} to 2"

Application notes: Hot water meters shall be approved for billing purposes **only** under the following conditions:

1. Large consumers (over 200 gpd) of hot water from a central boiler plant (e.g., laundries or food establishments) which are located in residential buildings which are billed on an unmetered or flat rate schedule.
2. Large consumers of hot water from a central boiler plant (e.g., laundries or food establishments) which are located in residential buildings which are subject to metered billing but which have been approved by DEP for continued separate billing for the commercial tenant.

In most cases, commercial tenants consuming domestic hot water should be encouraged or required to install their own separate domestic hot water heater. If a hot water meter is used for DEP billing purposes, DEP has maintenance responsibility. All hot water meters not used for DEP billing purposes or used to qualify for the Multifamily Conservation Program are the property and responsibility of the owner.

METER ATTACHMENTS

The New York City Department of Environmental Protection (“DEP”) has reviewed and approved for use several devices which transmit meter information to a point other than, and in addition to, our remote meter-reading receptacle. Where the installation of these products requires the meter seal to be broken, a “break seal” permit must be obtained from a DEP BCS Borough Office and a DEP inspector must be present for the installation of the attachment.

Approved Meter Attachments:

Neptune FlowSearch

Meter Master Model 100, Model 20, Model 80, F.S. Brainard & Company (all models that do not replace the register head)

Neptune Tricon/E

Reactel Teleprobe with switch to allow parallel operation with an AMR MTU

METERS WITH DUAL DATA OUTPUT

Engineers and plumbers have inquired about meters that can be read by DEP but also provide a pulse or 4-20 ma output to a facilities or energy monitoring system. DEP has published a Technical Note on this subject that can be found at:

http://www.nyc.gov/html/dep/html/water_and_sewer_bills/propmgmt.shtml

At the present time Sensus Omni series meters and Metron-Farnier single-jet meters are available with a dual output option.

AUTOMATIC METER READING

DEP began installing radio-based Aclara Systems transmitters on water meters in March 2009 and was substantially complete with installations by early 2012. Reactel's existing inbound telephone-based AMR system has been phased out for billing purposes but customers can continue using Reactel's equipment as a "meter attachment" as long as Reactel installs a switch that allows parallel operation of their system and DEP's. For the present, only DEP inspection staff or Contractors will install the Aclara RF Meter Transmitter Units ("MTU's"). Licensed plumbers installing or replacing meters shall install meters with all three wires connected at the register head and a remote receptacle mounted in an appropriate location. DEP will replace the remote receptacle with an MTU during inspection of the installation. The wire from the meter register to any remote unit shall be 22 gauge, three conductor wire, red-black-green.

Up-to-date information on the AMR program can be found at DEP's website, www.nyc.gov/dep .

WATER METER INSTALLATION REQUIREMENTS

The installation of water meters shall comply with RCNY Title 15, Chapter 20, "Rules and Regulations Governing and Restricting the Use and Supply of Water." The current edition dated June 2009 can be downloaded from the DEP website. http://www.nyc.gov/html/dep/html/forms_and_permits/wsforms.shtml

INDOOR METER SETTERS/RESETTERS AND MECHANICAL FITTINGS

AY McDonald - all models to NYC specifications, EnviroBrass Models
Ford - all models with "NYC" model prefix, EnviroBrass Models
Meter Rite - ¾" and 1" Flexi-Setter with Ford parts
Mueller - all models to NYC specifications, B2711R-99000, 82486-99000
Viega ProPress ¾" – 4" with materials and installation procedures according to manufacturer's directions (Also applicable to outdoor pit installations) – Valves are NSF61 compliant
Elkhart Xpress ¾" – 4" with materials and installation procedures according to manufacturer's directions (Also applicable to outdoor pit installations)

Application Note: Valves on setters must have handles with at least a 3" grip.

¾" and 1" METER SETTERS FOR (OUTDOOR PIT) METER ENCLOSURES

A.Y. McDonald Model #32 Series, EnviroBrass version
Ford Model CS-95374-01 and -02, #70 Series, EnviroBrass version
Mueller Adjustable Meter Setter Model # 318H170200

All inlet and outlet valves must be complete with handles.

1½" METER SETTERS FOR (OUTDOOR PIT) METER ENCLOSURES

A.Y. McDonald 20-642RNFF 660x998x400

WATER METER ENCLOSURE (PIT) AND RING (COLLAR) FOR 3/4" - 2" METERS

Pit Enclosures and Rings Carson/Pollard as Standard				
Pit Enclosure "Barrel"	Pit Collar "Frame"	Pit Lid	Standard Products	Meter Sizes/Types
24' x 48"	C53	12½"	Straight Barrel Carson 00242005 #2EXTRING Extension Ring	5/8" - 1" displacement
24" x 48"	C53	12½"	Bullet Enclosure Carson 00202004	1" displacement
36" x 48"	#36 Monitor Cover	21"	Straight Barrel Carson 00362004	1½" and 2" single- jet, displacement

Ford Meter Box, Inc. (¾" and 1" only)

General Foundries, Inc.

Ring Model # FNA-3H

Ring Model # 11220-AR For 1½", Item 5MC30

Note: GMI Composites, Inc. lids made of a non-metallic material will be available through DEP's Meter Testing Facility beginning in November 2009 in 12½", 14½" and 21" sizes individually at DEP's cost. If a project requires a lid or sidewalk door of a larger size order an H-20 highway load rated composite lid from GMI, Nicor, Carson Industries, Armorcast or approved equal with mounting screws or bracket underneath for Aclara Star MTU. Submitted lids, doors, etc. must meet loading requirements and either certified by Aclara or have been used in Aclara AMI systems. DEP can provide a sample design drawing.

Ford Plastic Pitsetters, ¾" - 2". This product can be used in front yards and on sidewalks, but not at curb sides or driveways since it is not structurally qualified for significant traffic loads. If this product is used the manufacturer's detail drawings shall be used in lieu of Figures 11-15 from RCNY Chapter 20 except that a base layer of stone is still required. A "centering" or "anti-sway" bar is not required since this product holds the meter in position.

Ford Meter Box, Model A3H-T-NYC

"NO LEAD" (NSF61-COMPLIANT) SERVICE PIPES, FITTINGS AND VALVES

All service fittings by A.Y. McDonald are NSF61-compliant.

NIBCO brass ball and gate valves (almost all, see <http://www.nibco.com/cms.do?id=2&pId=114> for specifics)

Viega valves are NSF61 compliant.

METER MANUFACTURER WEBSITES AND OTHER USEFUL ONLINE RESOURCES

Most of the water meter manufacturers have websites that offer downloadable specifications, parts lists and installation instructions.

Meter Manufacturers

Elster-Amco

<http://www.elsteramcowater.com/en/>

Badger

<http://www.badgermeter.com/>

Hersey Meters

<http://www.herseymeters.com/>

Metron-Farnier

<http://www.metronfarnier.com/>

Neptune Technology Group

<http://www.neptunetg.com/>

Sensus Metering Systems

<http://www.sensus.com/index.xml>

Related Businesses

Ames Fire and Water (Backflow Devices)

<http://www.amesfirewater.com/>

A.Y. McDonald (Setters and Valves)

<http://www.aymcdonald.com/>

Armorcast (Composite Plastic Pit Lids and Covers)

http://www.armorcastprod.com/products_amrcovers.htm

Carson Industries (Composite Plastic Pit Lids and Covers)

<http://www.carsonind.com/utilwater.asp>

CLA-VAL (Backflow Prevention Devices)

<http://www.cla-val.com/>

Febco (Backflow Prevention Devices)

<http://www.febcoonline.com/>

Ford Meter Box

<http://www.fordmeterbox.com/>

F.S. Brainard Company (Data Collection)

<http://www.meter-master.com/>

GMI (Composite Plastic Pit Lids and Covers)

<http://www.gmi-covers.com/?page=home>

Nicor, Inc. (Composite Pit Lids and Covers)

<http://www.nicorinc.net/>

Watts Regulator

<http://www.watts.com/>

Wilkins (Backflow Prevention Devices)

<http://www.zurn.com/operations/wilkins/pages/home.asp>

DEP Resources

List of Approved Meters

Water Meter Permit Application Form

(scroll to bottom of page)

Guide to Water Submeters – Technical Note

Guide to Water Meter reading with Building Computer Systems – Technical Note

http://www.nyc.gov/html/dep/html/water_and_sewer_bills/propmgmt.shtml

RCNY Chapter 20: Water Use Rules

RCNY Chapter 23: Private Sewer Rules

Sewer Design Standards

Backflow prevention manuals

Other water connection and sewer documents

http://www.nyc.gov/html/dep/html/forms_and_permits/wsforms.shtml

Scroll toward the bottom of the page at this link.

Property Management and Trade Professionals

Large Water Meter Installations and Repair Work

The maintenance of our water meters is one of the most important parts of ensuring the highest level of water and wastewater services to our customers. DEP has begun contacting customers to schedule an appointment to have their meter installed, repaired, or replaced. Below is a list of frequently asked questions to help property owners and managers understand what this means.

- [Large Meter Installations: Frequently Asked Questions](#)
- [List of Authorized Large Meter Contractors](#)

Multi-Family Conservation Program

The Multi-Family Conservation Program (MCP) provides qualified multiple-family housing of four or more Dwelling Units with billing based on a fixed charge per unit in lieu of billing based on metered charges. The program objective is to promote water conservation in multiple-family housing, while giving Customers control over their water and wastewater costs. At the discretion of the Commissioner, buildings with substantial increases in water consumption caused by unaddressed leaks or waste may be expelled from the program.

MCP Program Guidelines

MCP Program guidelines can be found in Part IV, Section 2 of the FY2014 [Water and Wastewater Rate Schedule](#). (PDF)

Where applicable, MCP properties will be billed for services provided between July 1, 2013 and June 30, 2014 at an annual charge of \$944.22 per Dwelling Unit, \$777.35 per Low-use Commercial Unit, and \$267.76 per Boarder, Roomer, or Lodger Unit. These rates include both water and sewer charges.

The MCP requires participants to implement certain conservation measures in order to remain on flat-rate billing. Properties must have an Automated Meter Reading (AMR) compatible contemporary meter and an AMR device installed by January 2015, and high-efficiency water-using fixtures installed in 70% of all units by June 2016. Toilets installed as a part of DEP's original 1994 to 1997 Toilet Rebate Program will count towards this requirement.

- [MCP Frequently Asked Questions](#) (PDF)
- [View your water consumption online](#)

Applying to the Multi-family Conservation Program

Customers currently billed on metered charged can apply to have qualified buildings enrolled in the MCP. Please note that neither DEP nor the Water Board makes any claim with regard to whether meter-based billing or the MCP will produce the lowest charge for a Customer. Neither DEP nor the Water Board will be liable for any financial loss incurred by a Customer's choice.

To apply to the Program, print out the application and reference the documents below, fill out the application form and send it to DEP at the address listed on the form:

[MCP Program Application Form](#)

[MCP Application Check List](#)

[Installing a Separate Water Meter for High-Consumption Commercial Tenants](#)

[Customer Registration Form](#)

[High Efficiency Clothes Washers](#)

[Showerheads, Aerators, and Toilet Flappers](#)

[Standard Sketch for Separate Commercial Meter for MCP Buildings](#)

Property Management

Water Conservation Tips

New York City Department of Environmental Protection has put together a presentation to help building managers, superintendents, home owners and the public learn more about how to conserve water.

[Water conservation tips](#)

Letter of Authorization

A letter of authorization is required for a third party to conduct certain types of business with DEP. All letters should be mailed to:

Letter of Authorization

DEP/Bureau of Customer Services

59-17 Junction Blvd 7th Floor

Flushing, NY 11373-9055

[Sample letter of authorization](#)

The Reimbursable Metering Program

Private meter installation with reimbursement is designed to provide owners of residential properties the opportunity to have their water meters installed by a Licensed Master Plumber of their own choosing. It also provides all property owners, both residential and commercial, with the ability to use their own licensed plumber to replace existing "entire premise" ("EP") meters that are no longer functioning properly.

This alternative is provided because the New York City Water Board and the Department of Environmental Protection (DEP) recognize that metering can be a mechanically difficult task in some cases, that it may need to be coordinated with other work in the building and/or that you may prefer to have your own plumber perform this work prior to the City contracting to have meters installed or replaced in your building or home. If you choose to have your own plumber meter your building, you will be reimbursed in the form of a credit on future water and sewer bills.

To learn all about private installation and replacement installation with reimbursement, including the Reimbursement Schedule and maximum reimbursement amounts, read the:

[Reimbursable Metering Program booklet](#)

Application for Separate Commercial Meter Billing

This is an application for owners who previously had a separate meter for a commercial tenant but that meter has been superceded by an "entire premises" meter. If the owner qualifies through this application he will be able to hire a licensed plumber to perform work to install a new meter for the commercial tenant. That new meter, along with the existing "entire premises" meter will together cover the entire property and both will be billed by DEP.

To apply for a separate commercial meter, print out this application, fill it out and send or deliver it to DEP:

[Separate Commercial Meter Billing](#)

Trade Professionals - Engineers, Plumbers, Building Managers, etc.

List of Approved Water Meters and Related Equipment

For the approved list of meters and related equipment, read the following:

[List of Approved Water Meters and Related Equipment](#)

Water Meter Permit (For Licensed Plumbers)

The application is intended for a licensed plumber who is installing, replacing, relocating or repairing a water meter.

To apply for a water meter permit, print out this application, fill it out and send or deliver it to DEP:

[Water Meter Permit](#)

Water Meter Reading - Technical Note

In response to a number of inquiries concerning methods of reading water meters through various types of building energy or facility automation systems the Universal Metering/Technical Services Division of DEP's Bureau of Customer Services has produced the following Technical Note. This note will be revised regularly since advances are being made in this field on a regular basis:

[Technical Note 2010-1](#)

Guide to Water Submeters - Technical Note

This Guide provides technical background for design professionals, licensed plumbers and energy/water professionals wishing to comply with Council Intro 0268-2010 that requires the use of water submeters in new or substantially renovated non-residential construction.

[Technical Note 2011-1](#)