

Appendix 2

Affected Water Users (AWUs)

List of Affected Water Users

- **Amherst Country Club**
- **Chamberlain Falls Dam**
- **Greenville Water Works**
- **Greenville Waste Water Treatment Facility**
- **Milford Waste Water Treatment Facility**
- **Milford Fish Hatchery**
- **Milford Water Works**
- **Monadnock Mountain Spring**
- **Otis Falls Dam**
- **Pennichuck Water, Amherst Village District Well**
- **Pennichuck Water, Badger Hill**
- **Pennichuck Water, Souhegan Woods Well**
- **Peter De Bruyn Kops**
- **Pike Industries/Wilton Quarry**
- **Pine Valley Hydro Dam**
- **Ponemah Green Golf Course**
- **Souhegan Woods Golf Club**
- **Water Loom Falls Dam**
- **Wilton Water Works**
- **Wilton Waste Water Treatment Facility**

User: Amherst Country Club
Address: 72 Ponemah Rd, Amherst, 03031

Reg Number: 20190

Contact: Steve Wilson
Phone: 673-6351
Fax:
Email:



Photo taken June 2004

Intake Structure: two 71/2 hp sumps resting 8-10" of bottom of the river

Water Intake: 20190-D01: Lat. 42° 49' 39", Long. 71° 36' 40"
20190-S01: Lat. 42° 49' 45", Long. 71° 36' 36"

Water Storage: none

Water Use Frequency: Annual use for irrigation, May to October

Average Water Use by Month (thousand gallons): 20190-D01 not reporting, 20190-S01 from 2004 NHDES data, yearly avg. = 133.359 tgd

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	0	0	0	625	5575.1	7111.9	5112.8	6048.9	64.4	0	0

Days of Water Use: water is used on an as needed basis, typically spring, summer and fall, weather dependent, varying from every day to twice a week

Hours of Water Use: 6 pm to 7 am

Description of Use: to water the golf course, approx. 170 acres

Staffing: Golf course is staffed normal working hours, 5 am to 4 pm weekdays, 5 am to 10 pm weekends

Water Use Measured: meter

Water Use Records: monthly, kept on data sheets

Return Flow/Water Reuse: none

Conservation Measures Used: moisture levels are checked daily and water is used only when needed

Stream/River Gage: a stream gage was made to determine local flood stage, also use the stream gage in the Merrimack when taking water samples and checking river levels

Planned Shutdowns/Changes: none

Other Information:

Comment: Amherst manages Ponemah as well. Only one withdrawal for both courses, at Amherst.

User: Chamberlain Falls Dam
Address: 69 Spring Hill Road, Sharon, NH, 03458

Reg Number: 20230

Contact: Robert Greenwood
Phone: 603-924-5777
Fax: Not available
Email: Not available



Photo taken June 2005

Intake Structure:

Water Intake: 20190-D01: Lat. 42° 46' 05", Long. 71° 48' 39"
20190-S01: Lat. 42° 46' 05", Long. 71° 48' 39"

Water Storage:

Maximum impoundment storage: 4 acre-ft
Permanent impoundment storage: 2.5 acre-ft

Water Use Frequency: Daily

Average Water Use by Month : 20190-D01 not reporting, 20190-S01 from 2004 NHDES data. 345,315 thousand gallons per month, each month from January through December. Average daily use = 11,322 tgd

Days of Water Use: year round

Hours of Water Use: 24 hours

Description of Use: production of electricity

Staffing:

Water Use Measured: meter

Water Use Records: monthly, kept on data sheets and reported quarterly.

Return Flow/Water Reuse: flow returned to river

Conservation Measures Used: non-consumptive use

Stream/River Gage:

Planned Shutdowns/Changes:

Other Information:

Comment: Impoundment size is less than 10 acres, so not considered an Affected Dam Owner, but has registered as a water user because intake and discharge are in stream.

User: Greenville Water Works
Address: PO Box 343, Greenville, 03048

Reg Number: 20047

Contact: Carla Mary, Woodard and Curran
Phone: 603-878-1338 (to Facility)
Fax:
Email:

Photo: No photo available

Intake Structure:

Water Intake: 20047-S03, Lat. 42° 47' 48", Long. 71° 50' 02", 20047-S02 not reported since 1993, 20026-S01 not reported since 1999, 20047-D01 not reported

Water Storage:

Average Water Use by Month (thousand gallons): from NHDES 2004 data for 20047-S03, yearly average: 113.076 tgd

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
3646.1	3219	3696.8	3368.1	1923.3	1922.7	4367.7	4605.1	3802.4	3821.2	3380.4	3633.1

Days of Water Use:

Hours of Water Use:

Description of Use:

Staffing:

Water Use Measured:

Water Use Records:

Return Flow/Water Reuse:

Conservation Measures Used:

Stream/River Gage:

Planned Shutdowns/Changes:

Other Information: Pilgrim Foods takes from Greenville rather than separate withdrawal.

User: Greenville Waste Water Treatment Facility
Address: PO Box 343, Greenville, 03048

Reg Number: 20086

Contact: Carla Mary, Woodard and Curran
Phone: 603-878-1338 (to Facility)
Fax:
Email:

Photo: No photo available.

Intake Structure:

Water Intake: 20086-D01 Lat. 42° 46' 19", Long. 71° 48' 24", 20086-S01, labeled as collection system by NHDES, no data reported for 2004 but a yearly avg of 282 for 2003.

Water Storage:

Average Water Use by Month (thousand gallons): from NHDES 2004 data for 20086-D01, yearly average: 165.354 tgd

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
4617.9	3180.3	4595.8	8063.1	7019.7	4246.6	4424.8	4185.7	4821.2	5005.5	4173.9	6184.9

Days of Water Use:

Hours of Water Use:

Description of Use:

Staffing:

Water Use Measured:

Water Use Records:

Return Flow/Water Reuse:

Conservation Measures Used:

Stream/River Gage:

Planned Shutdowns/Changes:

Other Information:

User: Milford Waste Water Treatment Facility
Address: 1 Union Square, Milford, 03055

Reg Number: 20092

Contact: Larry Anderson
Phone: 603-673-9441
Fax:
Email: Landerson@milford.nh.gov



Milford treatment plant outfall, 6-29-04

Intake Structure:

Water Intake: 20092-D01, Lat. 42° 49' 42", Long. 71° 37' 31"
20092-S01, no coordinates listed

Water Storage:

Average Water Use by Month (thousand gallons): from NHDES 2004 data for 20092-D01, yearly average: 1307.9 tgd

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40960	31000	41690	69500	47340	36700	31430	31210		32650	32180	44810

*no data reported for Sept, yrly avg for 2003 is 1416.2 with Sept reported

20092-S01, yearly average: 1233.7

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
49080	28990	38530	66090	41060	31960	26360	27090		30990	30870	43500

*no data reported for Sept, yrly avg for 2003 is 1321.8 with Sept reported

Days of Water Use:

Hours of Water Use:

Description of Use:

Staffing:

Water Use Measured:

Water Use Records:

Return Flow/Water Reuse:

Conservation Measures Used:

Stream/River Gage:

Planned Shutdowns/Changes:

Other Information:

User: Milford Fish Hatchery
Address: RR3 Box 364-408, Milford, 03055

Reg Number: 20218

Contact: Robert S. Fawcett
Phone: 603-271-2501
Fax:
Email:



Photo of fish hatchery outfall pipe, 6-28-04

Intake Structure: two gravel packed wells at a depth of approximately 65 to 80 feet

Water Intake: 20218-S01 Well #4 River Well, Lat. 42° 50' 47", Long. 71° 41' 23"
20218-S02 Well #1 Field Well, Lat. 42° 56' 47", Long. 71° 41' 12"

Water Storage:

Average Water Use by Month (thousand gallons): S02, from 2004 NHDES data,
avg = 729.694 tgd

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
23436	21924	23436	19440	20088	19440	24552	24552	23760	22520	21600	22320

S01, from 2004 NHDES data,
avg = 1743.18

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
48104	45936	49108	58320	60264	58320	51336	51336	49680	55800	54000	55800

Days of Water Use: every day

Hours of Water Use: all times

Description of Use: well water is pumped to feed the Milford State Fish Hatchery

Staffing: Facility is staffed 24/7

Water Use Measured: meter

Water Use Records: weekly records are kept, a quarterly report is sent to DES

Return Flow/Water Reuse: 100% returned, water is pumped to the Head of the Facility then runs through pools, then returned to the river a short distance from where it is pumped

Conservation Measures Used: when the fish population allows, water is shut off from one well, typically late spring/early summer

Stream/River Gage: none

Planned Shutdowns/Changes: none

Other Information:

User: Milford Water Works
Address: 1 Union Square, Milford, 03055

Reg Number: 20100

Contact: Larry B. Anderson
Phone: 603-673-9441
Fax:
Email:

Photo: No photo available

Intake Structure: Milford water supply is from 2 gravel packed wells located near the Souhegan River, well #1 700 gpm, well #2 400 gpm

Water Intake: NHDES lists 20100-S01 as Curtis Wells #1 and #2, Lat. 42° 49' 56", Long. 71° 37' 50"

Water Storage: 1.25 m gallons

Average Water Use by Month (thousand gallons): 20100-S01, from NHDES data, 2004, yearly average: 915.143 tgd

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
26331	24103	26111	25398	30086	34527	0	0	0	0	0	0

Days of Water Use: all week

Hours of Water Use: all times

Description of Use: for town water supply

Staffing: Facility is fully staffed M-F

Water Use Measured: meter,

Water Use Records: via SCADA

Return Flow/Water Reuse: approx. 90% of withdrawal is returned 5 miles downstream and is measured by partial flume with ultrasonic meter at wastewater facility

Conservation Measures Used:

Stream/River Gage:

Planned Shutdowns/Changes: plans to add another well to the system

User: Monadnock Mountain Spring
Address: PO Box 518, Mansur Road, Wilton, 03086

Reg Number: 20621

Contact: Vincent Gerbino
Phone: 603-654-2728
Fax:
Email:



Photo of Monadnock wells, 6-28-04

Intake Structure: Two adjacent wells

Water Intake: NHDES lists wells as 20621-S01, Mansur Road Spring Well, Lat. 42° 49' 30" Long. 71° 45' 26" and Intervale Road Spring Well, Lat. 42° 49' 21" Long. 71° 45' 40"

Water Storage: 30,000 gallons

Average Water Use by Month (thousand gallons): from NHDES 2004 data, S01 average: 46.968 tgd

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
3255	3255	3255	929	929	929	825	825	825	720	720	720

From NHDES 2004 data, S02, average: 46.968

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
3255	3255	3255	929	929	929	825	825	825	720	720	720

Days of Water Use: Sunday through Friday

Hours of Water Use: 9 am to 6 pm

Description of Use: Water is bottled for human consumption.

Staffing: Facility is fully staffed M-F with @ 50 people, approx. 10-20 people on Sunday

Water Use Measured: meter, via units produced

Water Use Records: Daily observations have been recorded on data sheets

Return Flow/Water Reuse: Water cannot be reused.

Conservation Measures Used: “normal measures”

Stream/River Gage: none

Planned Shutdowns/Changes: No planned changes

Other Information: no direct withdrawal from river; states “years of data to show that springs are not influenced by surface water”

User: Otis Falls Dam
Address: 69 Spring Hill Road, Sharon, NH 03458

Reg Number: 20229

Contact: Robert Greenwood
Phone: 603-924-5777
Fax: Not available
Email: Not available



Photo taken June 2005

Intake Structure:

Water Intake:

20229-D01: Lat. 42° 46' 00", Long. 71° 48' 48"
20229-S01: Lat. 42° 46' 00", Long. 71° 48' 48"

Water Storage:

Maximum impoundment storage: 105 acre-ft
Permanent impoundment storage: 75 acre-ft

Water Use Frequency: Daily

Average Water Use by Month (thousand gallons): 20229-D01 not reporting, 20229-S01 from 2004 NHDES data. 4,971,992 reported for each month from January through December. Ave. daily use = 163,016 tgd.

Days of Water Use: Daily

Hours of Water Use: 24 hours

Description of Use: production of electricity

Staffing:

Water Use Measured: meter

Water Use Records: monthly, kept on data sheets

Return Flow/Water Reuse: flow returned to river

Conservation Measures Used: non-consumptive use

Stream/River Gage:

Planned Shutdowns/Changes:

Other Information:

Comment: Impoundment size is less than 10 acres, so not considered an Affected Dam Owner, but has registered as a water user because intake and discharge are in stream.

User: Pennichuck Water, Amherst Village District Well
Address: 25 Manchester Street
PO Box 1947
Merrimack, NH 03054-1947

Reg Number: 20000

Contact: Donald L. Ware, Senior VP, Operations
Phone: 603-913-2330
Fax: 603-913-2362
Email:

Photo: No photo available

Intake Structure: A gravel packed well, 20000-S01

Water Intake: NHDES well 20000-S01, Lat. 42° 51' 25", Long. 71° 37' 05"

Water Storage: 225,000 gallons

Average Water Use by Month (thousand gallons): from NHDES 2004 data, average:
5.921 tgd

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
253.859	3.63	730	12.99	0	0	0	38.3	0	0	38.89	0

Days of Water Use: Water is used only on an emergency basis.

Hours of Water Use: NA

Description of Use: Water is used on an emergency basis due to water quality issues.

Staffing: Well operation and monitoring performed via SCADA system that is viewed at Pennichuck's Water Treatment Plant in Nashua, NH and monitored 24-7. When the station is running it is checked daily.

Water Use Measured: meter

Water Use Records: Operations are historically trended, daily totals are logged by SCADA system as well as hours and rate of pumping.

Return Flow/Water Reuse: Water is not/cannot be reused. All businesses using water from the well system are on septic systems that are within the Souhegan River Watershed.

Conservation Measures Used: annual conservation mailings

Stream/River Gage: none

Planned Shutdowns/Changes: No planned changes

Other Information: When this well is needed, it is because of a loss of the main supply and as such when it is needed we must be able to turn it on in order to provide continued domestic and fire protection service.

User: Pennichuck Water, Badger Hill
Address: 25 Manchester Street
PO Box 1947
Merrimack, NH 03054-1947

Reg Number: 20781

Contact: Donald L. Ware, Senior VP, Operations
Phone: 603-913-2330
Fax: 603-913-2305
Email:

Photo: No photo available

Intake Structure: Survey reply lists 3 bedrock wells, NHDES records indicate only 2 from 2004

Water Intake: 20781-S02 and 20781-S03, no water use reported to NHDES for S02 since inception. Location information not available.

Water Storage: 80,000 gallons

Average Water Use by Month (thousand gallons): 20781-S03, from NHDES 2004 data, yearly average: 12.418 tgd

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	0	0	244.5	416.1	546.6	439.8	482.7	585.1	258.6	214.9	226.8

Days of Water Use: Every day

Hours of Water Use: at all times- start and stop times depend on the season, wells run an average of 2.6 hrs during the non-irrigation season and an average of 5.3 hours during the irrigation season

Description of Use: Water is used to meet domestic and fire protection for 106 homes in the Badger Hill subdivision in Milford, NH.

Staffing: Staff visit the well once a week. Critical data on station gathered at station and entered into database at Nashua treatment plant.

Water Use Measured: meter

Water Use Records: weekly records

Return Flow/Water Reuse: Water is not/cannot be reused. All homes using water from the well system are on septic systems that are within the Souhegan River Watershed.

Conservation Measures Used: no automatic in ground sprinklers allowed by subdivision covenants, outside water usage on an odd/even basis.

Stream/River Gage: none

Planned Shutdowns/Changes: No planned changes

Other Information:

User: Pennichuck Water, Souhegan Woods Well
Address: 25 Manchester Street
PO Box 1947
Merrimack, NH 03054-1947

Reg Number: 20659

Contact: Donald L. Ware, Senior VP, Operations
Phone: 603-913-2330
Fax: 603-913-2362
Email:

Photo: No photo available

Intake Structure: Water is withdrawn from wells adjacent to the Souhegan River. The well is run as required to keep the atmospheric storage tank full.

Water Intake: 20659-S01, listed as GPW 1 and GPW 4, Lat. 42° 50' 07", Long. 71° 34' 05".

Water Storage: 50,000 gallons

Average Water Use by Month (thousand gallons): from NHDES 2004 data, yearly average: 21.704 tgd

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
666	553	534	711	1903	531	312	268	229	822	653	762

Days of Water Use: Every day

Hours of Water Use: at all times- the well runs an average of 4.9 hrs/day during non-irrigation season and an average of 16.9 hrs/day during the irrigation season.

Description of Use: Water is used to meet domestic and fire protection for 115 homes in the Souhegan Woods subdivision in Amherst, NH.

Staffing: Staff visit the well once a week. Station operations are monitored by a SCADA system that is viewed at Pennichuck's Water Treatment Plant in Nashua, NH.

Water Use Measured: meter

Water Use Records: Historical trends based on 2-minute averages of well production, kept electronically

Return Flow/Water Reuse: Water is not/cannot be reused. All homes using water from the well system are on septic systems that are within the Souhegan River Watershed.

Conservation Measures Used: odd/even irrigation, annual conservation mailings.

Stream/River Gage: none

Planned Shutdowns/Changes: No planned changes

Other Information:

User: Peter De Bruyn Kops
Address: 427-3 Amherst Street 341, Nashua, 03063

Reg Number: 20383

Contact: Peter De Bruyn Kops
Phone: 603-881-8821
Fax:
Email:

Photo: No photo available.

Intake Structure: removable pipe with foot valve and coarse strainer.

Water Intake: 20383-S01, Lat. 42° 49' 30", Long. 71° 35' 46"

Water Storage: none

Average Water Use by Month (thousand gallons): from NHDES 2003 data, yearly average: 0 tgd

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	0	0	0	0	0	0	0	0	0	0	0

Days of Water Use: potentially every day, fall and summer

Hours of Water Use: during dry periods, generally during daylight hours

Description of Use: agriculture-crop irrigation and occasionally frost prevention

Staffing: farmer lives on the farm full time

Water Use Measured: time X # sprinklers X flow rate per sprinkler

Water Use Records: historical records are NHDES quarterly water reports, kept on data sheets

Return Flow/Water Reuse: none directly returned, irrigation water may recharge groundwater, no reuse

Conservation Measures Used: experimented with plastic landscape fabric, aware of polymers that hold water and are intended to be mixed with the soil, they are expensive and fears unintended consequences of using them on a flood plain land, tough to remove once incorporated

Stream/River Gage: none

Planned Shutdowns/Changes: agriculture is entrepreneurial, plans change as crops change based on weather and customers

Other Information: rule of thumb is crops need about 1 inch of water per week, looking for predictable water supply, support for business flexibility, and low capital costs.

User: Pike Industries/Wilton Quarry
Address: 3 Eastgate Park Road, Belmont, NH 03220

Reg Number: 20281

Contact: Lawrence R. Major, Jr., NH EHS Manager Region 1
Phone: 603-527-5182
Fax: 603-527-5101
Email: lmajor@pikeindustries.com



Photo of intake May 2006

Intake Structure: 8" intake 2 feet below the water surface

Water Intake: 20281-S01, Lat. 42° 52' 04", Long. 71° 46' 22"

Water Storage: 1.5 million gallons

Average Water Use by Month (thousand gallons): from NHDES 2004 data, yearly average: 65.39 tgd

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	0	0	0	1346.1	1575	3024	2403	2434.5	2286	2430	522

Days of Water Use: every day, most often during weekdays but sometimes on Saturday during periods of high demand for products

Hours of Water Use: 7 am to 5 pm

Description of Use: water from Stony Brook is used to wash construction grade aggregates and for dust suppression

Staffing: M-F day shifts, also occasionally on Saturdays

Water Use Measured: pump run time

Water Use Records: daily inspections are conducted for safety and operational purposes, reports to NHDES on a quarterly basis, information kept on data sheets

Return Flow/Water Reuse: no direct returns to the river, some water may infiltrate our setting ponds and ultimately contribute to the Stony Brook through groundwater, some water reused

Conservation Measures Used: low volume spray nozzles, wash water is recycled, stormwater is captured for dust control on quarry roads

Stream/River Gage: Pike does not have a stream gage.

Planned shutdowns/changes: Pike Industries Inc. reduced water use during the drought of '02 and have maintained that minimal use since. Minimal opportunities for further restrictions.

Other Information: a seasonal business operating from April to December generally, market forces typically create highest demand during the least rainy months, businesses that rely on products are paving contractors, septic installers, concrete manufacturers, building contractors

User: Pine Valley Hydro
Address: 37 Wilton Road, Milford

Reg Number: 20782

Contact: Heidi Blackmer Robichaud
Phone: 603-654-2433
Fax: Not available
Email: Not available



Photo taken June 2005

Intake Structure:

Water Intake: 20782-D01: Lat. 42° 50' 31", Long. 71° 43' 13"
20782-S01: Lat. 42° 50' 19", Long. 71° 43' 42"

Water Storage:

Maximum impoundment storage: 70 acre-ft
Permanent impoundment storage: 30 acre-ft

Water Use Frequency: Daily

Average Water Use by Month (thousand gallons): 20782-D01 not reporting, 20782-S01 partial record from 2004 NHDES data. Average daily use = 34,843 tgd.

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	0	0	0	0	0	42,255	939,411	939,411	419,976	2,123,170	2,619,562

Days of Water Use: Year round.

Hours of Water Use: 24 hours

Description of Use: production of electricity

Staffing:

Water Use Measured: meter

Water Use Records: monthly, kept on data sheets and reported quarterly

Return Flow/Water Reuse: flow returned to river

Conservation Measures Used: non-consumptive use.

Stream/River Gage:

Planned Shutdowns/Changes:

Other Information:

Comment: Impoundment size is less than 10 acres, so not considered an Affected Dam Owner, but has registered as a water user because intake and discharge are in stream.

User: Ponemah Green Golf Course
Address: 54 Ponemah Rd, Amherst, 03031

Reg Number: 20624

Contact: Steve Wilson
Phone: 673-8259
Fax:
Email:

Photo: See Amherst Country Club for photo of intake

Intake Structure: Same as for Amherst Country Club

Water Intake: 20624-D01, Lat. 42° 49' 39", Long. 71° 36' 40" and 20624-S01, Lat. 42° 49' 45", Long. 71° 36' 36".

Water Storage: none

Water Use Frequency: Annual use for irrigation, May to October

Average Water Use by Month (thousand gallons): from 2004 NHDES data, 20624-D01 not reporting, 20624-S01 yearly avg. = *This is the same withdrawal as Amherst CC See Amherst CC for data*

Days of Water Use: water is used on an as needed basis, typically spring, summer and fall, weather dependent, varying from every day to twice a week

Hours of Water Use: 6 pm to 7 am

Description of Use: to water the golf course, approximately 20 acres

Staffing: Golf course is staffed normal working hours, 5 am to 4 pm weekdays, 5 am to 10 pm weekends

Water Use Measured: meter

Water Use Records: monthly, kept on data sheets

Return Flow/Water Reuse: none

Conservation Measures Used: moisture levels are checked daily and water is used only when needed

Stream/River Gage: a stream gage was made to determine local flood stage, also use the stream gage in the Merrimack when taking water samples and checking river levels

Planned Shutdowns/Changes: none

Other Information:

User: Souhegan Woods Golf Club
Address: 65 Thorntons Ferry Road II, Amherst, 03031

Reg Number: 20523

Contact: Ryan Lane
Phone: 424-0910
Fax:
Email:



Photo of intake structure June 2004

Intake Structure: Suction line 15 ft out into river and 6 ft below river surface.

Water Intake: 20523-D01, groundwater well, Lat. 42° 50' 37", Long. 71° 34' 22"
20523-S01, surface water well taken from Souhegan River, Lat. 42° 50' 05", Long. 71° 33' 54".

Water Storage: none

Water Use Frequency: Annual use for golf course irrigation, April to October

Average Water Use by Month (thousand gallons): 20523-S01 from 2004 NHDES data, avg.daily use = 61.126, adj. avg. daily use = 104.542

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	0	0	2143	3447	6147	2125	4917	2064	1529	0	0

Days of Water Use: water is used on an as needed basis, typically spring, summer and fall, weather dependent, varying from every day to twice a week

Hours of Water Use: typically from 9:00 pm to 2:00 am

Description of Use: turf irrigation and equipment cleaning

Staffing: Day shift from 5:00 am to 9:00 pm, seven days a week

Water Use Measured: yes using a meter on a monthly basis

Water Use Records: yes, kept on data sheets

Return Flow/Water Reuse: none

Conservation Measures Used: only water when absolutely necessary and only use low run times. Closely monitor weather patterns, closely monitor irrigation systems for efficiency.

Stream/River Gage:

Planned Shutdowns/Changes: operations open April 1 and close November 1

Other Information:

User: Water Loom Falls Dam
Address: 69 Spring Hill Road, Sharon, NH 03458

Reg Number: 20228

Contact: Robert Greenwood
Phone: 603-924-5777
Fax: Not available
Email: Not available



Photo taken June 2005

Intake Structure:

Water Intake: 20190-D01: Lat. 42° 44' 59", Long. 71° 50' 13"
20190-S01: Lat. 42° 44' 59", Long. 71° 50' 13"

Water Storage:

Maximum impoundment storage: 665 acre-ft
Permanent impoundment storage: 420 acre-ft

Water Use Frequency: Daily

Average Water Use by Month (thousand gallons): 20228-D01 not reporting, 20228-S01 from 2004 NHDES data. 4,658,910 reported for each month from January through December. Ave. daily use = 152,751 tgd.

Days of Water Use: Daily

Hours of Water Use: 24 hours

Description of Use: production of electricity

Staffing:

Water Use Measured: meter

Water Use Records: monthly, kept on data sheets

Return Flow/Water Reuse: flow returned to river

Conservation Measures Used: non-consumptive use

Stream/River Gage:

Planned Shutdowns/Changes:

Other Information:

Comment: Impoundment size is greater than 10 acres and is also considered an Affected Dam Owner.

User: Wilton Water Works
Address: PO Box 83, Wilton, NH

Reg Number: 20065

Contact: Charles McGettigan Jr. Water Commissioner
Phone: 603-654-6602
Fax:
Email:

Photo: No photos available

Intake Structure: two wells

Water Intake: 20065-S01, Everett Well, Lat. 42° 49' 01", Long. 71° 46' 10"
20065-S02, Abbott Well, Lat. 42° 49' 04", Long. 71° 46' 01"

Water Storage: 616,000 gallons in one tank

Average Water Use by Month (thousand gallons): from NHDES 2004 data,
S01 yearly average: 100.85 tgd

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
3264	2663	2746	2645	3091	3476	2703	0	0	443	6345	3381

S02 yearly average: 123.841

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2884	2449	2672	2761	3262	3494	4087	5828	6076	5496	0	2552

Days of Water Use: every day

Hours of Water Use: 24/7

Description of Use: WWW uses about 250,000 gallons of water for Wilton customers

Staffing: part time employees that tend to the system

Water Use Measured: meter

Water Use Records: daily since July 13, 1988, kept on data sheets

Return Flow/Water Reuse: only when there are breaks in the system or when flush hydrants

Conservation Measures Used: every customer is metered

Stream/River Gage:

Planned Shutdowns/Changes: none.

Other information:

User: Wilton Waste Water Treatment Facility
Address: PO Box 83, Wilton, 03086

Reg Number: 20426

Contact: Charles McGettigan Jr. Sewer Commissioner
Phone: 603-654-6602
Fax:
Email:

Intake Structure:

Water Intake: 20426-S01, no location listed and no water used, just a transfer line, no data reported to NHDES, 20426 also listed as using well 20092-D01 (Town of Milford).

Water Storage:

Average Water Use by Month (thousand gallons): from NHDES 2004 data for 20092-D01, yearly average: 152.364 tgd

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
4962.4	2894.1	3604	7848.6	6404.6	4847.4	2643.8	4232.8	4139.1	4831.5	3582	5575

Days of Water Use:

Hours of Water Use:

Description of Use:

Staffing:

Water Use Measured:

Water Use Records:

Return Flow/Water Reuse:

Conservation Measures Used:

Stream/River Gage:

Planned Shutdowns/Changes:

Other Information: