DATE: September 19, 2019

TO: Board of Agriculture, Trade and Consumer Protection

FROM: Bradley Pfaff, Secretary
Steve Ingham, Administrator, Division of Food and Recreational Safety

SUBJECT: ATCP 77, Laboratory Certification

TO BE PRESENTED BY: Steve Ingham, Administrator, Division of Food and Recreational Safety

REQUESTED ACTION:

At the September 19, 2019 DATCP Board meeting, the Department will ask the Board to approve a final draft of ch. ATCP 77 relating to Laboratory Certification.

SUMMARY:

Under Wis. Admin. Code ch. ATCP 77 (Laboratory Certification), the Wisconsin Department of Agriculture, Trade and Consumer Protection (Department) oversees the certification of 81 certified milk or food laboratories and the approval of 96 drug residue screening laboratories under a cooperative agreement with the Federal Food and Drug Administration (FDA) through direction from the National Conference on Interstate Milk Shipments (NCIMS). Also, under this rule the Department accredits 127 safe drinking water testing laboratories under a primacy agreement with the U.S. Environmental Protection Agency (EPA) through the Wisconsin Department of Natural Resources (WDNR).

This rule revision will update the following: 1) references, standards and test procedures for ensuring the reliability of certified laboratory testing; 2) certification fees to adequately cover costs, as required under Wis. Stat. § 93.12 (7); 3) the structure for prorating partial-year certification fees in accordance with Wis. Stat. § 93.12 (4); and 4) the frequency of on-site certified wastewater-testing laboratory reviews that optimize efficiency without jeopardizing public safety.

Public Hearings

The Department held three public hearings on this rule on June 25, 2019 at Moraine Park Technical College in Fond du Lac, WI; June 26, 2019 at CESA 10 - Teleconference Center in Chippewa Falls, WI; and June 27, 2019 at the Department of Agriculture, Trade and Consumer Protection - Board Room 106 in Madison, WI.
Public hearing notices were posted at the State Legislature’s Active Rules Clearinghouse website and in the Administrative Register. A notice and a summary of proposed revisions were mailed out to all Department licensed facilities as well as affected industry groups. A total of five persons/organizations attended the hearings and/or submitted comments. Attendees included representatives from Sartori Company, Plymouth; Marshfield Utilities, and Matrix Sciences/Northland Laboratories. Comments were also received from two industry groups: the Midwest Food Products Association and the Wisconsin Cheese Makers Association.

Feedback received from industry groups and organization representatives was generally in support of the proposed rule change. A commenter concurred with the Department’s change to inspection frequency, equipment temperature documentation only when the laboratory is staffed, and the change to the status of a certified analyst. Both industry groups advocated for the proposed fee increase and encouraged the Department to be more diligent in making timely adjustments to program fees to reflect the actual requirements to staff and equip the program. The Department has already begun tracking costs, as suggested. The Department also heeded suggested editorial changes to improve sentence structure and increase readability within the proposed rule.

The Department received a written proposal from a licensed laboratory concerning ATCP 77.20 (2) (c) (3) and the NCIMS program’s prohibition against the use of microwave ovens to prepare media. The Department is obligated to follow the requirement outlined within the FDA and NCIMS standard which does not allow the use of microwave ovens. For any test type this requirement does not apply to, the laboratory is able to use microwave ovens for media preparation.

The Department also received a proposed edit to eliminate the sentence in ATCP 77.22 (7) (c) “or is not present to demonstrate their competence during a biennial inspection of the laboratory.” This change cannot be made because the FDA requires the decertification of a provisionally certified analyst that has a “second miss” of either split samples or on-site evaluation.

**Changes from the Hearing Draft**

The Department incorporated all technical corrections suggested by the Legislative Council Rules Clearinghouse. Changes based on the public hearings and comments sent to the Department are discussed above under “Public Hearing” section.

**Comparison with Rules in Adjacent States**

Participation in the NCIMS requires a state milk regulatory program to meet the requirements laid out in the Pasteurized Milk Ordinance and Evaluation of Milk Laboratories (both documents published by the FDA, based on NCIMS recommendations) for approval of milk and milk products analysis laboratories. The water laboratory certification rules in Illinois are more prescriptive than Wisconsin. For example, the Illinois rule sets minimum requirements for use of specific pieces of equipment. The Wisconsin rule does not spell out this requirement, in turn, allowing greater flexibility to incorporate new technologies.

The Minnesota rule is more open in that it allows for mobile laboratories, but stricter in requiring laboratories to respond to any deficiencies found within 30 days. ATCP 77 does not prescribe a time frame, which enables each program to determine its own corrective action time frames. The Minnesota rule also requires laboratories to have a written set of standard operating procedures, whereas ATCP 77 only requires reference materials to be kept on-site.

**Wisconsin - America’s Dairyland**

2811 Agriculture Drive • PO Box 8911 • Madison, WI 53708-8911 • Wisconsin.gov
An equal opportunity employer
Summary of Factual Data and Analytical Methodologies

Input and analysis were provided by Department experts. The Department reviewed and studied statutory provisions and federal regulations. Over the last several years, the Department gathered information from stakeholders. A copy of the draft of the proposed rule was presented at meetings to representatives of each type of laboratory affected by the proposed change, including: The WDNR, the Wisconsin association of local health departments and boards, and the Wisconsin laboratory association.

Analysis and Supporting Documents used to Determine Effect on Small Business

The Department consulted with representatives from each type of laboratory (large milk, small milk, drug residue, large water, and small water) as well as other interested parties such as the WDNR.

Effect on Small Business

The Department believes the changes proposed will have a minimal effect on small businesses. While fees are increasing, eliminating the need to conduct a supplemental survey if the lab switches to a similar test method, or an analyst misses a mandatory inspection, should help offset some of those costs. The overall cost of the fee increase over the entire program (both large and small businesses) will be approximately $35,864.

Changes from the Hearing Draft

The Department incorporated all technical corrections suggested by the Legislative Council Rules Clearinghouse. Changes based on the public hearings and comments sent to the Department are discussed above in the “Public Hearing” section.

Next Steps

If the Board approves this final draft rule, the Department will submit the final draft rule to the Governor for written approval. If the Governor approves the final rule, the Department will then submit the rule to the Legislature for legislative committee review. If the Legislature has no objection to the rule, the Department Secretary will sign the final rulemaking order and transmit it for publication. The rule will take effect on the first day of the month following publication.
The Wisconsin department of agriculture, trade and consumer protection hereby proposes the following rule to re-number ATCP 77.02 (3) (q), 77.24 (5) (c) 4. and 5.; to amend ATCP 77.01 (4m), (7), (11), 77.02 (1) (3), 77.04 (1) (b), and 77.04 (1) (e) 3. (Note), 77.06 (1) (a) to (d), and (2) (a) and (b), 77.08 (5), 77.10 (2) (b), 77.14 (1) (b) and (c), 77.20 (2) (c) (intro.) and 3., 77.22 (3) (c), 77.23 (3) (a), (b) (intro.), and (c) to (f), 77.24 (5) (a) (1) and 5. (c) (intro.), 77.34 (5) (a) l. to 3. and (b); to repeal and recreate ATCP 77.22 (2) and (7); to create ATCP 77.24 (5) (c) 4m. and 5m.; relating to milk, food and water testing laboratories.

Analysis Prepared by the Department of Agriculture, Trade and Consumer Protection

Under Wis. Admin. Code ch. ATCP 77 (Laboratory Certification), the Wisconsin Department of Agriculture, Trade and Consumer Protection (Department) oversees the certification of 81 certified milk or food laboratories and the approval of 96 drug residue screening laboratories under a cooperative agreement with the Federal Food and Drug Administration (FDA) through direction from the National Conference on Interstate Milk Shipments (NCIMS). Also, under this rule the Department accredits 127 safe drinking water testing laboratories under a primacy agreement with the U.S. Environmental Protection Agency (EPA) through the Wisconsin Department of Natural Resources (WDNR).

Statutes Interpreted


Statutory Authority

Statutory Authority: Wis. Stat. §§ 93.07 (1) and 93.12 (5) and (7).

Explanation of Statutory Authority

The Department has specific authority under Wis. Stat. § 93.12 (5) to make and enforce regulations to establish uniform minimum standards to be used in the evaluation and certification of laboratory examinations. The Department also has authority under Wis. Stat. § 93.12 (7) to establish a fee schedule to offset the cost of certifying the laboratories and the collection of those fees.
Additionally, the Department has general authority, under Wis. Stat. § 93.07 (1), to adopt rules to implement programs under its jurisdiction.

**Related Statutes and Rules**

- Wis. Admin. Code ch. ATCP 65 (Milk and Milk Products)
- Wis. Admin. Code ch. ATCP 76 (Safety, Maintenance, and Operation of Public Pools and Water Attractions)
- Wis. Admin. Code ch. NR 809 (Safe Drinking Water)

**Plain Language Analysis**

In revising Wis. Admin. Code ch. ATCP 77 (Laboratory Certification), the Department is revising the laboratory certification fee structure, updating requirements to reflect modern laboratory practices, and providing flexibility for laboratory operations.

**Revised Fee Structure**

The fees for laboratory certification were last updated in 2008. The proposed fee increases are 20% and consistent with changes in the consumer price index since 2008. An exception is the prorated monthly fee for the addition of a milk or water test to a laboratory’s license mid-year. Those fees were not increased properly in 2008. Monthly fees now correctly reflect 1/12th of the annual fee.

- Annual fee for a laboratory, for each milk or food test the laboratory is certified for, changes from $410 to $492.
- Annual fee for a certified analyst changes from $30 to $36.
- Annual fee for a laboratory, for each water test the laboratory is certified for, changes from $340 to $408.
- The prorated fee for the addition of a test procedure mid-year changes from $23 to $35 per month for each water test, and from $28 to $42 per month for each milk or food test.
- The fee for a supplemental inspection done at a time other than the mandatory inspection changes from $150 to $180.
- Initial fee for licensing of a drug residue screening laboratory changes from $610 to $752 for most facilities, and from $150 to $180 for very small facilities.
- Drug residue screening laboratory annual fees change from $60 to $72 for most facilities, and from $30 to $36 for very small facilities.
Discretionary Inspection fees

Wis. Admin. Code ch. ATCP 77 previously referred to discretionary inspections, but the fees for this type of inspection were not clearly defined. The rule now specifies that the fee for a discretionary inspection is the same as the supplemental survey fee of $180.

Documentation of temperature for temperature-controlled equipment

The current rule requires all laboratories to measure and record equipment temperatures at least daily. Many laboratories are thereby required to staff Sundays and holidays in order to read and record equipment temperatures. Both the FDA and the EPA exempt laboratories from recording equipment temperatures on days when the laboratory is not normally staffed. This modification to Wis. Admin. Code ch. ATCP 77 aligns the rule with the FDA and EPA. Further, the modification will eliminate a staffing burden for laboratories and result in a cost savings to these businesses.

Inspections Every 3 years

Laboratories operating pursuant to the FDA cooperative agreement must be inspected once every two (2) years. Laboratories operating pursuant to the EPA primacy agreement must be evaluated once every three (3) years.

The Department’s revised position is that those laboratories solely performing water testing will only be required to be evaluated once every three (3) years. This revision, pertaining to the frequency of water laboratory evaluation, will also create more flexibility for the Department and laboratories in scheduling laboratory surveys.

Similar Methodology

The proposed rule includes language that enables laboratories certified for one specific test method to add or switch to an alternative test method, which uses the same or very similar test methodology, without the mandate of requiring the laboratory to undergo a lab re-inspection by the Department. This modification to the proposed rule will speed up the certification process for laboratories interested in implementing a new test procedure. This will also result in cost savings because laboratories will no longer be required to pay for an additional supplemental survey fee.

Analyst term of certification and provisional status

As currently written in Wis. Admin. Code ch. ATCP 77, analysts lose their certification if they fail to be present for their laboratory’s mandatory inspection. The language will be altered to state that an analyst faces termination of certification only if the laboratory administrator requests withdrawal of the analyst’s certification or the laboratory does not pay the analyst’s annual renewal fee. Thus, should an analyst miss the laboratory’s mandatory inspection, the analyst’s certification will be placed in provisional status, absent the laboratory administrator’s request for withdrawal of the analyst’s certification or failure to pay the analyst’s annual renewal fee.
An analyst in provisional status, due to the analyst’s failure in attending the mandatory inspection, will remain in provisional status until the analyst demonstrates competence during an inspection of the laboratory. However, the analyst would lose certification in the event the analyst fails proficiency testing or fails to be present for the laboratory’s next mandatory inspection.

This change will align the rule with FDA requirements and will create less of a hardship for analysts who fail to attend an on-site evaluation due to a family emergency or illness.

**Fecal coliform to E. coli**

The WDNR change in water testing, which targets bacteria from fecal coliform to *Escherichia coli* for drinking water testing, required the Department to change the directions for preparation of the water proficiency samples to also contain the target organism of *Escherichia coli*.

**Other Revisions**

The rule contains other revisions to match updated terminology and technology, adds newly approved test procedures, and removes test procedures that are no longer approved or commercially available. Some revisions align the rule with recent changes in state and federal law. Among these revisions are the following:

- The Division’s name has changed from the Division of Food Safety to the Division of Food and Recreational Safety. This change has been made throughout the document.
- The rule expands the definition of milk to include the other species of animals (water buffalo and camelids) that are recognized by the FDA.
- The rule aligns the list of approved test procedures with the lists of currently approved procedures from the FDA and EPA, and corrects some of the technical names.
- The rule adds the requirement that the operator of a laboratory provide not just name and address, but also the e-mail address of the laboratory.
- The rule indicates current revisions of reference materials.
- As required, the new test procedures have been added to the proficiency evaluation standards specifying the number of samples that shall be run each year and how “acceptable” and “unacceptable” test results will be determined.

The Department held three public hearings on this rule on June 25, 2019 at Moraine Park Technical College in Fond du Lac, WI; June 26, 2019 at CESA 10 - Teleconference Center in Chippewa Falls, WI; and June 27, 2019 at the Department of Agriculture, Trade and Consumer Protection - Board Room 106 in Madison, WI.

Public hearing notices were posted at the State Legislature’s Active Rules Clearinghouse website and in the Administrative Register. Notices were mailed out to all Department licensed facilities
as well as affected industry groups. A total of five persons/organizations attended the hearings and/or submitted comments. Attendees included representatives from Sartori Company, Plymouth; Marshfield Utilities, and Matrix Sciences/Northland Laboratories. Comments were also received from industry groups including the Midwest Food Products Association and the Wisconsin Cheese Makers Association.

Feedback received from industry groups and organization representatives was generally in support of the proposed rule change. A commenter concurred with the Department’s change to inspection frequency, equipment temperature documentation only when the laboratory is staffed, and the change to the status of a certified analyst. Both industry groups advocated for the proposed fee increase and encouraged the Department to be more diligent in adjusting program costs to reflect the actual requirements to staff and equip the program. The Department has already begun tracking costs, as suggested. The Department also heeded suggested editorial changes to improve sentence structure and increase readability within the proposed rule.

The Department received a written proposal from a licensed laboratory concerning ATCP 77.20 (2) (c) (3) and the NCIMS program’s prohibition against the use of microwave ovens to prepare media. The Department is obligated to follow the requirement outlined within the FDA and NCIMS standard, which does not allow the use of microwave ovens. For any test type this requirement does not apply to, the laboratory is able to use microwave ovens for media preparation.

The Department also received a proposed edit to eliminate the sentence in ATCP 77.22 (7) (e) “or is not present to demonstrate their competence during a biennial inspection of the laboratory.” This change cannot be made because the FDA requires the decertification of a provisionally certified analyst that has a “second miss” of either split samples or on-site evaluation.

**Summary of, and Comparison with, Existing or Proposed Federal Statutes and Regulations**

State milk and drug residue screening laboratories operate under a cooperative agreement with the FDA through the NCIMS. The laboratory certification program was established to be in accordance with the FDA program documents, as well as the grade “A” Pasteurized Milk Ordinance (PMO) and the Evaluation of Milk Laboratories (EML), which are amended biennially. The latest revisions of these documents are dated 2017. The PMO is incorporated by reference in federal specifications for the procurement of milk and milk products and is used as the model regulation for milk and milk products.

State water laboratories operate under a primacy agreement between the EPA and WDNR. The Department has a memorandum of understanding with the WDNR for the certification of these laboratories. The accreditation of water laboratories was established to be in accordance with the EPA’s manual for the certification of laboratories analyzing water and wastewater. The Safe Drinking Water Act and the Revised Total Coliform Rule give the EPA the responsibility for ensuring the safety of drinking water in this country.
Comparison with Rules in Adjacent States

Participation in the NCIMS requires a state milk regulatory program to meet the requirements laid out in the PMO and EML for approval of milk and milk products analysis laboratories. The water laboratory certification rules in Illinois are more prescriptive than Wisconsin. For example, the Illinois rule sets minimum requirements for use of specific pieces of equipment. The Wisconsin rule does not spell out this requirement, allowing greater flexibility to incorporate new technologies.

The Minnesota rule is more open in that it allows for mobile laboratories, but stricter in requiring laboratories to respond to any deficiencies found within 30 days. ATCP 77 does not prescribe a time frame, which enables each program to determine its own corrective action time frames. The Minnesota rule also requires laboratories to have a written set of standard operating procedures, whereas ATCP 77 only requires reference materials to be kept on-site.

Summary of Factual Data and Analytical Methodologies

Input and analysis were provided by Department experts. The Department reviewed and studied statutory provisions and federal regulations. Over the last several years, the Department gathered information from stakeholders. A copy of the draft of the proposed rule was presented at meetings to representatives of each type of laboratory affected by the proposed change, including: The WDNR, the Wisconsin association of local health departments and boards, and the Wisconsin laboratory association.

Analysis and Supporting Documents used to Determine Effect on Small Business

The Department consulted with representatives from each type of laboratory (large milk, small milk, drug residue, large water, and small water) as well as other interested parties such as the WDNR.

Effect on Small Business

The Department believes the changes proposed will have a minimal effect on small businesses. While fees are increasing, eliminating the need to conduct a supplemental survey if the lab switches to a similar test method, or an analyst misses a mandatory inspection, should help offset some of those costs. For a substantial program of this size, the overall cost of the fee increase over the entire program (both large and small businesses) will be approximately $35,864.

Changes from the Hearing Draft

The Department incorporated all technical corrections suggested by the Legislative Council Rules Clearinghouse. Changes based on the public hearings and comments sent to the Department are discussed above in the “Plain Language Analysis.”
Next Steps

If the Board approves this final draft rule, the Department will submit the final draft rule to the Governor for written approval. If the Governor approves the final rule, the Department will then submit the rule to the Legislature for legislative committee review. If the Legislature has no objection to the rule, the Department Secretary will sign the final rulemaking order and transmit it for publication. The rule will take effect on the first day of the month following publication.

---

SECTION 1. ATCP 77.01 (4m) is amended to read:

ATCP 77.01 (4m) “Drug residue screening test” means any test under s. ATCP 77.02 (1) (f) to (1) (tze) or (1) (zgd), other than a confirmatory test, that a person uses to comply with drug residue testing requirements under s. ATCP 65.72.

SECTION 2. ATCP 77.01 (7) is amended to read:

ATCP 77.01 (7) “Food and recreational safety administrator” means the administrator of the Department’s division of food and recreational safety.

SECTION 3. ATCP 77.01 (11) is amended to read:

(11) “Milk” means the lacteal secretion of cows, sheep, or goats, water buffalo, or camelids and includes dairy products made from milk.

SECTION 4. ATCP 77.02 (1) is amended to read:

(1) MILK. Any of the following tests related to milk and dairy products:

(a) Standard plate count.

(b) Plate loop count (raw milk only).

(c) Spiral Plate Count (raw milk only).

(d) Petrifilm Acrosic Count.

(e) BactoScan-FC Petrifilm Rapid Aerobic Count.

(f) Charm BSLA TEMPO Aerobic Count.
(g) Charm II-Competitive Peel Plate Aerobic Count.
(h) Charm II-Sequential BactoScan FC.
(i) Charm II-Quantitative BactoCount IBC.
(j) Charm II-Cloxacin BacSomatic Bacteria Count.
(k) Charm II-Sulfon Charm BSDA.
(l) Charm II-Chloramphenicol Competitive.
(m) Charm II-Tetraeyeline Sequential.
(n) Charm II-SL (Safe Level) Quantitative.
(o) Charm II-SLG Sulf.
(p) Delvotest-P Charm II-Chloramphenicol.
(q) Delvotest-P-5-Pack Charm II-Tetracycline.
(r) Penzyme-Milk Charm SL (Safe Level).
(s) Penzyme-III Charm 3 SL-3.
(t) Snap BL Charm FLUSLBL.
(u) Direct Microscopic Somatic-Cell Count Charm ROSA SULF.
(v) Electric Somatic Cell Count Charm ROSA Tetracycline SL.
(w) Petrifilm Coliform Count/High Sensitivity Coliform Count Charm ROSA TRIO.
(x) Coliform Plate Count Delvotest P.
(y) Pasteurized Milk Containers Delvotest P 5 Pack.
(z) Disintegration Test New SNAP Beta Lactam.
(za) Flat Lid or Pour Contact Tests SNAP Tetracycline.
(zb) Phosphatase Test-Fluorophos BetaStar Advanced Test for Beta Lactams.
(zc) Phosphatase Test Charm BetaStar Advanced Test for Tetracyclines.
(zd) Tests performed to comply with ch. ATCP 65, other than milk component tests which are not related to public health Direct Microscopic Somatic Cell Count.

(ze) Electronic Somatic Cell Count.

(zf) Petrifilm Coliform Count/High Sensitivity Coliform Count.

(zg) Coliform Plate Count.

(zh) TEMPO Coliform Count.

(zi) Peel Plate Coliform Count.

(zj) Pasteurized Milk Containers.

(zk) Disintegration Test.

(zl) Flat Lid or Pour Contact Tests.

(zm) Phosphatase Test-Fluorophos.

(zn) Phosphatase Test-Charm PasLite.

(zo) Phosphatase Test – Charm FAP.

(zp) Accupoint Advanced Alkaline Phosphatase.

(zq) Tests performed to comply with ch. ATCP 65, other than milk component tests which are not related to public health.

SECTION 5. ATCP 77.02 (3) is amended to read:

(a) LTB or P-A broth, followed by BGLB and either EC or EC-MUG.

(b) A-1 broth (fecal coliform, SWTR only).

(c) Colilert or Colilert 18.

(d) Colisure.

(e) Readycult or Fluorocult-LMX.

(f) E*Colite.
(g) Modified Colitag.

(h) M-Endo or LES Endo, followed by BGLB and either EC, EC-MUG, or NA-MUG.

(i) MI Medium.

(j) Coliscan.

(k) m-ColiBlue24.

(L) Chromocult.

(m) mFC agar (faecal coliform, SWTR only).

(n) PCA HPC or R2A.

(o) SimPlate.

(p) m-TEC (faecal coliform).

(q) Other tests under ch. NR 809 or 812 to detect microbiological contamination in drinking water. Pseudalert.

(r) Enteroalert.

(s) Cryptosporidium and Giardia.

**SECTION 6.** ATCP 77.02 (3) (q) is renumbered ATCP 77.02 (3) (t).

**SECTION 7.** ATCP 77.04 (1) (b) is amended to read:

(b) The name, address, and telephone number, and e-mail address of the laboratory.

**SECTION 8.** ATCP 77.04 (1) (e) 3. (Note) is amended to read:

Note: An operator may obtain application forms and submit applications to the department at the following address:

Wisconsin department of agriculture, trade and consumer protection Division of food and recreational safety, bureau of food safety and recreational businesses and Inspection
Laboratory Certification Program
P.O. Box 8911
Madison, WI 53708-8911
(608) 224-4712

SECTION 9. ATCP 77.06 (1) (a) through (d) are amended to read:

(a) Milk or food tests. An annual certification fee of $41,049.2 for each test under s. ATCP 77.02 (1) or (2) at each laboratory for which the operator is certified. This fee does not apply to a laboratory that is approved under s. ATCP 77.23 only to conduct drug residue screening tests on milk samples.

(b) Certified analysts; milk or food tests. An annual certification fee of $3936 for each analyst who performs one or more tests under s. ATCP 77.02 (1) or (2). This fee does not apply to an individual approved under s. ATCP 77.23 only to conduct drug residue screening tests on milk samples.

(c) Discretionary inspection or additional analyst certification; milk or food tests. A supplemental fee of $150,180 for each discretionary inspection or requested certification of one or more analysts to conduct any test under s. ATCP 77.02 (1) or (2), if the certification occurs at any time other than during a mandatory inspection under s. ATCP 77.14 (1). This fee does not apply to an individual approved under s. ATCP 77.23 only to conduct drug residue screening tests on milk samples.

(d) Water tests. An annual certification fee of $349,408 for each test under s. ATCP 77.02 (3) for which the operator is certified.

SECTION 10. ATCP 77.06 (2) (a) and (b) are amended to read:
(a) If the department certifies an operator of a milk or food laboratory to perform a test for less than a full calendar year, the operator shall pay a fee of $2842 for each full month of certification for that test. This fee does not apply to a laboratory that is authorized under s. ATCP 77.23 only to conduct drug residue screening tests on milk samples.

(b) If the department certifies an operator of a water laboratory to perform a test for less than a full calendar year, the operator shall pay a fee of $2335 for each full month of certification for that test.

SECTION 11. ATCP 77.08 (5) is amended to read:

(5) SUMMARY SUSPENSION. The food and recreational safety administrator may issue a written notice, summarily suspending all or part of an operator’s certification, if the food and recreational safety administrator finds in the suspension notice that the operator has not complied with this chapter, that the noncompliance poses an imminent threat to the health or safety of the public or laboratory workers, and that the noncompliance is likely to continue unless the food and recreational safety administrator summarily suspends the operator’s certification. The operator may contest the summary suspension according to s. ATCP 1.03 (3).

SECTION 12. ATCP 77.10 (2) (b) is amended to read:

(b) Maintain temperature-controlled equipment, including incubators, water baths, refrigerators and freezers, so that the equipment functions effectively. The operator shall measure and record equipment temperatures at least daily when the equipment is in use and the laboratory is staffed with trained personnel.

SECTION 13. ATCP 77.14 (1) (b) and (c) are amended to read:

(b) At least once every 2 years after the department first certifies the operator under s. ATCP 77.03 to perform tests under s. ATCP 77.02 (1) at that laboratory and at least once every 3 years
after the department first certifies the operator under s. ATCP 77.03 to perform any tests under s.

ATCP 77.02 (2) or (3).

c) Before the department certifies the operator to perform a test under s. ATCP 77.02 which
the department has not previously certified that operator to perform at that laboratory unless the
laboratory is currently certified for a test that utilizes the same or very similar methodology.

SECTION 14. ATCP 77.20 (2) (c) (intro.) and 3. are amended to read:

c) Food tests. An operator who performs any test listed under s. ATCP 77.02 (2) shall keep
or have online access to all of the following reference materials at the certified laboratory:

edition, if the operator performs a microbiological test on food.

SECTION 15. ATCP 77.22 (2) is repealed and recreated to read:

(2) TERM OF CERTIFICATION. An analyst’s certification to perform a test remains in
effect until one of the following occurs:

(a) The laboratory administrator or designated agent requests the analyst’s certification to be
withdrawn.

(b) The certified laboratory does not pay the annual license fee for the analyst.

(c) The department suspends or revokes the analyst’s certification.

SECTION 16. ATCP 77.22 (3) (c) is amended to read:

(c) The department shall use an appropriate FDA 2400 series form or if no FDA 2400 series
form applies, another standard form to evaluate an analyst’s competency under par. (a). If an
analyst performs plate loop counts, electronic bacteria counts, or electronic somatic cell counts,
the department shall check the analyst’s ability to perform accuracy based on any statistical
comparisons required by those tests.
SECTION 17. ATCP 77.22 (7) is repealed and recreated to read:

(7) PROVISIONAL CERTIFICATION AND RESTORATION OF FULL CERTIFICATION. An analyst shall be placed in provisional certification if one of the following occurs:

(a) If a fully certified analyst fails a proficiency evaluation under s. ATCP 77.24 for any test, the department shall issue a notice stating that the analyst is provisionally certified to perform that test.

(b) If the department conducts a biennial inspection of a laboratory under s. ATCP 77.14 (1) and a fully certified analyst is not present to demonstrate competence to perform the test(s) they are certified for, the department shall issue a laboratory report stating that the analyst is provisionally certified to perform that test.

(c) If an analyst is provisionally certified because of failing a proficiency evaluation under s. ATCP 77.24 and that analyst passes a proficiency evaluation under s. ATCP 77.24 on a new set of proficiency samples, the department shall restore the analyst to full certification.

(d) If an analyst is provisionally certified because they were not present to demonstrate their competence to perform the tests they are certified for during the biennial inspection of the laboratory, they shall remain in provisional certification status until they again demonstrate their competence during an inspection of the laboratory.

(e) If a provisionally certified analyst fails a proficiency evaluation on a new set of proficiency samples, or is not present to demonstrate their competence during a biennial inspection of the laboratory, the department shall summarily suspend the analyst’s certification to perform that test.

SECTION 18. ATCP 77.23 (3) (a), (b) (intro.), and (c) to (f) is amended to read:
(3) APPROVAL FEES. A laboratory operator shall pay the following fees to acquire and
maintain a laboratory approval under sub. (1):

(a) An initial fee of $649732, except as provided in par. (b) or (c).

(b) An initial fee of $159180 if the laboratory tests milk for only one dairy plant operator and
all the following apply:

1. The dairy plant operator receives only grade B milk.

2. The dairy plant operator receives milk from not more than 5 producers.

3. The dairy plant operator receives not more than 10,000 lbs. of raw milk per week.

(c) An initial fee of $6072 if the laboratory does not apply for approval to perform any visual
read test.

(d) A fee of $3036 for each individual, in excess of 5 individuals, that the department evaluates
under sub. (4) at the time of the initial laboratory inspection under sub. (1) (c).

(e) An annual renewal fee of $6072 for each annual renewal of the laboratory approval, except
that the renewal fee is $3036 if the laboratory qualifies under par. (b).

(f) A fee of $159180 for each laboratory visit, other than the initial inspection under sub. (1)
(c), that the department makes for the purpose of evaluating individuals under sub. (4). This
single fee of $159180 covers all of the individual evaluations performed during the department’s
visit, regardless of the number of individuals evaluated.

SECTION 19. ATCP 77.24 (5) (a) (1) is amended to read:

1. At least six but not more than 20 samples for standard plate count, petrifilm aerobic count,
plate loop count, petrifilm rapid aerobic count, peel plate aerobic count, or phosphatase tests.

SECTION 20. ATCP 77.24 (5) (c) (intro.) is amended to read:
(c) In a proficiency evaluation for any of the following tests, a sample result is unacceptable if it falls outside the statistical limits established in FDA’s “Evaluation of Milk Laboratories,” 1995 edition:

**SECTION 21.** ATCP 77.24 (5) (c) 4. and 5. are renumbered to ATCP 77.24 (5) (c) 6. and 7.

**SECTION 22.** ATCP 77.24 (5) (c) 4m. and 5m. are created to read:

4m. Petrifilm Rapid Aerobic Count

5m. Peel Plate Aerobic Count

**SECTION 23.** ATCP 77.34 (5) (a) 1. to 3. are amended to read:

1. One to 4 samples of an aerogenic strain of *Escherichia coli* which, if properly tested according to methods under s. ATCP 77.30 (1), will test positive for total and *faecal* *coli*.

2. One to 4 samples of *Enterobacter* sp. or other microorganisms which, if properly tested according to methods under s. ATCP 77.30 (1), will test positive for total coliform and negative for *faecal* *coli*.

3. One to 4 samples of *Pseudomonas* sp. or other microorganisms which, if properly tested according to methods under s. ATCP 77.30 (1), will test negative for total coliform and *faecal* *coli*.

**SECTION 24.** ATCP 77.34 (5) (b) is amended to read:

(b) An operator testing proficiency evaluation samples under par. (a) shall report the test results to the evaluator. The evaluator shall report the test results to the department within 40 calendar days after the evaluator mails or delivers the samples under par. (a) to the operator. For each sample tested, the evaluator shall report the operator’s test result for total coliform and *faecal* *coli* or *E. coli*, and shall indicate whether that test result is correct or incorrect.
EFFECTIVE DATE. This rule takes effect on the first day of the month following publication in the Wisconsin administrative register, as provided under s. 227.22(2) (intro.).

Dated this 5 day of September 2019.

WISCONSIN DEPARTMENT OF AGRICULTURE, TRADE AND CONSUMER PROTECTION

By [Signature]

For Bradley M. Pfaff, Secretary
1. Type of Estimate and Analysis
☐ Original  ☑ Updated  ☐ Corrected

2. Date
9-5-2019

3. Administrative Rule Chapter, Title and Number (and Clearinghouse Number if applicable)
ATCP 77, Laboratory Certification

4. Subject
Certification of laboratories and analysts testing milk, food, and water

5. Fund Sources Affected
☐ GPR  ☐ FED  ☐ PRO  ☐ PRS  ☐ SEG  ☐ SEG-S

6. Chapter 20, Stats. Appropriations Affected

7. Fiscal Effect of Implementing the Rule
☐ No Fiscal Effect  ☑ Increase Existing Revenues  ☐ Increase Costs  ☐ Decrease Costs
☐ Indeterminate  ☐ Decrease Existing Revenues  ☐ Could Absorb Within Agency’s Budget

8. The Rule Will Impact the Following (Check All That Apply)
☐ State’s Economy  ☑ Specific Businesses/Sectors
☐ Local Government Units  ☐ Public Utility Rate Payers
☐ Small Businesses (if checked, complete Attachment A)


10. Would Implementation and Compliance Costs Businesses, Local Governmental Units and Individuals Be $10 Million or more Over Any 2-year Period, per s. 227.137(3)(b)(2)?
☐ Yes  ☑ No

11. Policy Problem Addressed by the Rule
Updating: 1) references, standards and test procedures for ensuring the reliability of certified laboratory testing, 2) certification fees to adequately cover costs, as required under Wis. Stat. 93.12 (7), 3) structure for prorating partial-year certification fees in accordance with Wis. Stat. 93.12 (4), and 4) frequency of on-site certified wastewater-testing laboratory reviews to optimize efficiency without jeopardizing public safety.

12. Summary of the Businesses, Business Sectors, Associations Representing Business, Local Governmental Units, and Individuals that may be Affected by the Proposed Rule that were Contacted for Comments.
DATCP personnel calculated changes in fees for each certified laboratory and analyst using existing in-house records. The operator of each certified laboratory was invited in writing to attend rule hearings or submit comments. The Department held three public hearings on this rule on June 25, 2019 at Moraine Park Technical College in Fond du Lac, WI; June 26, 2019 at CESA 10 - Teleconference Center in Chippewa Falls, WI; and June 27, 2019 at the Department of Agriculture, Trade and Consumer Protection - Board Room 106 in Madison, WI.

Public hearing notices were posted at the State Legislature’s Active Rules Clearinghouse website and in the Administrative Register. Notices were mailed out to all Department licensed facilities as well as affected industry groups. A total of five persons/organizations attended the hearings and/or submitted comments. Attendees included representatives from Sartori Company, Plymouth; Marshfield Utilities, and Matrix Sciences/Northland Laboratories. Comments were also received from industry groups including the Midwest Food Products Association and the Wisconsin Cheese Makers Association.

Feedback received from industry groups and organization representatives was generally in support of the proposed rule change. A commenter concurred with the Department’s change to inspection frequency, equipment temperature documentation only when the laboratory is staffed, and the change to the status of a certified analyst. Both industry groups advocated for the proposed fee increase and encouraged the Department to be more diligent in in making timely adjustments to program fees to reflect the actual requirements to staff and equip the program. The Department has
already begun tracking costs, as suggested. The Department also heeded suggested editorial changes to improve sentence structure and increase readability within the proposed rule.

The Department received a written proposal from a licensed laboratory concerning ATCP 77.20 (2) (c) (3) and the NCIMS program’s prohibition against the use of microwave ovens to prepare media. The Department is obligated to follow the requirement outlined within the FDA and NCIMS standard which does not allow the use of microwave ovens. For any test type this requirement does not apply to, the laboratory is able to use microwave ovens for media preparation.

The Department also received a proposed edit to eliminate the sentence in ATCP 77.22 (7) (e) “or is not present to demonstrate their competence during a biennial inspection of the laboratory.” This change cannot be made because the FDA requires the decertification of a provisionally certified analyst that has a “second miss” of either split samples or on-site evaluation.

13. Identify the Local Governmental Units that Participated in the Development of this EIA.
   None. N/A

14. Summary of Rule’s Economic and Fiscal Impact on Specific Businesses, Business Sectors, Public Utility Rate Payers, Local Governmental Units and the State’s Economy as a Whole (Include Implementation and Compliance Costs Expected to be Incurred)

The fees for laboratory certification were last updated. The proposed fee increases are 20% and consistent with changes in the consumer price index since 2008. An exception is the prorated monthly fee for the addition of a milk or water test to a laboratory’s license mid-year. Although those monthly fees should have been increased in proportion to the increased annual fees in 2008, the monthly fees were not increased at all. Monthly fees now correctly reflect 1/12th of the annual fee. While fees are increasing by an estimated $35,864 across the 81 certified milk or food laboratories, 96 drug residue screening laboratories, and 127 safe drinking water testing laboratories, the rule eliminates the requirement to conduct a supplemental survey if the lab switches to a similar test method, or an analyst misses a mandatory inspection. This change will decrease the overall economic impact.

15. Benefits of Implementing the Rule and Alternative(s) to Implementing the Rule

Implementing the rule provides clearer, up-to-date, and more flexible requirements for laboratory operators. The alternative, not implementing the rule would create confusion about recent changes in federal requirements, e.g. fecal coliform analyte in water being changed to Escherichia coli, and continues less flexible requirements. Failure to implement fee increases would necessitate program costs being borne by other DATCP funding sources.

16. Long Range Implications of Implementing the Rule

Adjusting ATCP 77 grants laboratories greater flexibility in day-to-day practices as well as an ease in staffing requirements. To begin with, analysts will no longer lose their certification if not present for a laboratory’s mandatory inspection. Analysts will instead be put in provision status until a competency demonstration is conducted, or they lose their certification because of a failure of proficiency testing, or failure to be present for the laboratory’s next mandatory inspection. This change will put the rule in closer alignment with the FDA requirements and will create less of a hardship for analysts who miss an on-site evaluation due to family emergency or illness. The elimination of the requirement of off-day reading and recording of equipment temperatures aligns ATCP 77 with the FDA and EPA and will also eliminate a staffing burden for laboratories. The Department’s change in position on the frequency of water laboratory evaluation to every 3 years will allow laboratories and the Department’s program more flexibility in scheduling laboratory surveys. Laboratories looking to add or switch another test method will find ease in doing so with the addition of language that states that this no longer prompts an inspection. This change will speed up the certification process for laboratories looking to use a new test procedure. This will also save the laboratories money since they will not have to pay a supplemental survey fee.

17. Compare With Approaches Being Used by Federal Government

State milk and drug residue screening laboratories operate under a cooperative agreement with the FDA through the NCIMS. The laboratory certification program was established to be in accordance with the FDA documents, as well as the grade “A” Pasteurized Milk Ordinance (PMO) and the Evaluation of Milk Laboratories (EML), which are amended
biennially. The latest revisions of these documents are dated 2017. The PMO is incorporated by reference in federal specifications for the procurement of milk and milk products and is used as the sanitary regulation for milk and milk products.

State water laboratories operate under a primacy agreement between the EPA and Wisconsin Department of Natural Resources. The Department has a memorandum of understanding with the WDNR for the certification of these laboratories. The accreditation of water laboratories was established to be in accordance with the EPA’s manual for the certification of laboratories analyzing water and wastewater. The Safe Drinking Water Act and the Revised Total Coliform Rule give the EPA the responsibility for ensuring the safety of drinking water in this country.

18. Compare With Approaches Being Used by Neighboring States (Illinois, Iowa, Michigan and Minnesota) Participation in the NCIMS requires a state milk regulatory program to meet the requirements laid out in the PMO and EML for approval of milk and milk products analysis laboratories. The water laboratory certification rules in Illinois are more prescriptive than Wisconsin. For example, the Illinois rule sets minimum requirements for use of specific pieces of equipment. The Wisconsin rule does not spell out this requirement, in turn, allowing greater flexibility to incorporate new technologies.

The Minnesota rule is more open in that it allows for mobile laboratories, but stricter in requiring laboratories to respond to any deficiencies found within 30 days. ATCP 77 does not proscribe a time frame which enables each program to determine its own time frames. The Minnesota rule also requires laboratories to have a written set of standard operating procedures, whereas ATCP 77 only requires reference materials to be kept on-site.

19. Contact Name

Caitlin Jeidy, Division of Food and Recreational Safety, Program and Policy Analyst - Advanced

20. Contact Phone Number

(608) 224-4696

This document can be made available in alternate formats to individuals with disabilities upon request.
1. Summary of Rule’s Economic and Fiscal Impact on Small Businesses (Separately for each Small Business Sector, Include Implementation and Compliance Costs Expected to be Incurred)

DATCP has no way of determining whether certified laboratories are small businesses. Please see summary above.

2. Summary of the data sources used to measure the Rule’s impact on Small Businesses

Please see item 12 above.

3. Did the agency consider the following methods to reduce the impact of the Rule on Small Businesses?

☐ Less Stringent Compliance or Reporting Requirements
☐ Less Stringent Schedules or Deadlines for Compliance or Reporting
☐ Consolidation or Simplification of Reporting Requirements
☐ Establishment of performance standards in lieu of Design or Operational Standards
☐ Exemption of Small Businesses from some or all requirements
☐ Other, describe:

4. Describe the methods incorporated into the Rule that will reduce its impact on Small Businesses

None.


The Department has specific authority under Wis. Stat. § 93.12 (5) to make and enforce regulations to establish uniform minimum standards to be used in the evaluation and certification of laboratory examinations. The Department also has authority under Wis. Stat. § 93.12 (7) to establish a fee schedule to offset the cost of certifying the laboratories and to regulate the collection of those fees. Additionally, the Department has general authority, under Wis. Stat. § 93.07 (1) to adopt rules to implement programs under its jurisdiction.

Division laboratory evaluation officers (LEO) visit laboratories to ensure they have the proper equipment and are capable of performing the proper procedures to produce accurate test results for the products being tested. These visits are conducted before the laboratory does any official testing and once every 2 years thereafter. If an LEO discovers a major violation during a routine visit that will compromise the laboratory’s ability to produce accurate test results, the LEO can perform a chargeable re-survey.

Laboratories and analysts are also required to run proficiency samples. If a laboratory or analyst fails these proficiency samples, the laboratory or analyst will be placed in provisional status. If the laboratory or analyst fails a second time within a proscribed time frame, the laboratory or analyst license will be suspended for that specific test procedure.

6. Did the Agency prepare a Cost Benefit Analysis (if Yes, attach to form)

☐ Yes  ☒ No
Regulatory Flexibility Analysis

Rule Subject: Laboratory Certification
Adm. Code Reference: ATCP 77
Rules Clearinghouse #: 19-076
DATCP Docket #: 18–R-04

Rule Summary

Under Wis. Admin. Code ch. ATCP 77 (Laboratory Certification), the Wisconsin Department of Agriculture, Trade and Consumer Protection (Department) oversees the certification of 81 certified milk or food laboratories and the approval of 96 drug residue screening laboratories under a cooperative agreement with the Federal Food and Drug Administration (FDA) through direction from the National Conference on Interstate Milk Shipments (NCIMS). Also, under this rule the Department accredits 127 safe drinking water testing laboratories under a primacy agreement with the U.S. Environmental Protection Agency (EPA) through the Wisconsin Department of Natural Resources (WDNR).

This rule revision will update the following: 1) references, standards and test procedures for ensuring the reliability of certified laboratory testing; 2) certification fees to adequately cover costs, as required under Wis. Stat. § 93.12 (7); 3) the structure for prorating partial-year certification fees in accordance with Wis. Stat. § 93.12 (4); and 4) the frequency of on-site certified wastewater-testing laboratory reviews that optimize efficiency without jeopardizing public safety.

Small Businesses Affected

The Department believes the changes proposed will have minimal effect on small businesses. While fees are increasing, cost savings will be realized through the proposed rule’s elimination of the necessity of conducting a supplemental survey if the lab switches to a similar test method or if an analyst misses a mandatory inspection. The overall cost of the fee increase over the entire program (both large and small businesses) will be approximately $35,864.

Feedback received during public hearings from industry groups advocated for the proposed fee increase and encouraged the Department to be more diligent in making timely adjustments to program fees to reflect the actual requirements to staff and equip the program. The Department has already begun tracking costs, as suggested.

Reporting, Bookkeeping and other Procedures

The proposed rule will not require any additional reporting, bookkeeping, or other procedures beyond what is already required of certified laboratories in the current version of Wis. Admin. Code ch. ATCP 77.

Professional Skills Required

The proposed rule does not require any new professional skills from small businesses.
Accommodation for Small Business

The requirements for certified laboratories are not size-dependent. There is very little, if any, differentiation of standards to accommodate the size of a given laboratory in FDA and EPA regulations.

Conclusion

Adjustments to Wis. Admin. Code ch. ATCP 77 will allow laboratories to enjoy greater flexibility in their day-to-day practices as well as ease staffing requirements. For example, analysts will no longer lose their certification if they are not present for a laboratory’s mandatory inspection. The analyst would instead be placed in provisional status until a competency demonstration can be conducted, or the analyst loses certification due to a failure in proficiency testing or failure to be present for the laboratory’s next mandatory inspection. This modification will more closely align with FDA requirements and will create less hardship for analysts who are unable to be present for a given on-site evaluation due to a family emergency or illness.

The elimination of the requirement of off-day reading and recording of equipment temperatures aligns Wis. Admin. Code ch. ATCP 77 with the FDA and EPA and will also eliminate a staffing burden for laboratories. The Department’s change in position on the frequency of water laboratory evaluation to every 3 years will create more flexibility for the Department and laboratories in scheduling laboratory surveys. Laboratories desirous of adding or changing to an alternative test method will be able to do so with greater ease because the proposed rule no longer automatically requires an additional inspection. Thus, the proposed rule change will speed up the certification process for laboratories and result in a cost savings since laboratories will no longer pay a supplemental survey fee.

This rule will have little if any effect on “small business” and is not subject to the delayed “small business” effective date provided in Wis. Stat. § 227.22(2)(e).

DATCP will, to the maximum extent feasible, seek voluntary compliance with this rule.

Dated this 5th day of September, 2019.

STATE OF WISCONSIN
DEPARTMENT OF AGRICULTURE, TRADE AND CONSUMER PROTECTION

By [Signature]
Steve Ingham, Administrator
Division of Food and Recreational Safety