

WEST VIRGINIA
SECRETARY OF STATE
KEN HECHLER
ADMINISTRATIVE LAW DIVISION

Form #4

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OFFICE OF WEST VIRGINIA
SECRETARY OF STATE

NOTICE OF RULE MODIFICATION OF A PROPOSED RULE

Water Resources / Waste Management

AGENCY: West Virginia Division of Environmental Protection TITLE NUMBER: 47

CITE AUTHORITY § 22-1-15

AMENDMENT TO AN EXISTING RULE: YES NO

IF YES, SERIES NUMBER OF RULE BEING AMENDED: _____

TITLE OF RULE BEING AMENDED: _____

IF NO, SERIES NUMBER OF RULE BEING PROPOSED: 32

TITLE OF RULE BEING PROPOSED: Regulations Governing Environmental Laboratories Certification and Standards of Performance

THE ABOVE PROPOSED LEGISLATIVE RULE, FOLLOWING REVIEW BY THE LEGISLATIVE RULE-MAKING REVIEW COMMITTEE IS HEREBY MODIFIED AS A RESULT OF REVIEW AND COMMENT BY THE LEGISLATIVE RULE-MAKING REVIEW COMMITTEE. THE ATTACHED MODIFICATIONS ARE FILED WITH THE SECRETARY OF STATE.

Robert T. Hall

David C. Cadaghan, Director
Division of Environmental Protection



BUREAU OF ENVIRONMENT
10 McJUNKIN ROAD
NITRO, WV 25143-2506

GASTON CAPERTON
GOVERNOR

DAVID C. CALLAGHAN
COMMISSIONER

January 6, 1995

Ms. Judy Cooper
Director, Administrative Law Division
Secretary of State's Office
Building 1, Suite 157K
Charleston, West Virginia 25305

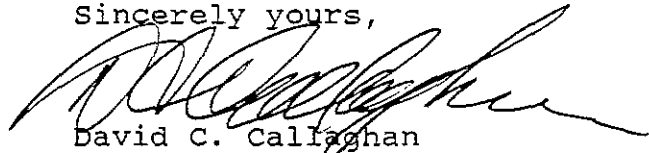
RE: 47 CSR 32 - Environmental Laboratories Certification and
Standards of Performance

Dear Ms. Cooper:

This is to advise you that I am giving approval for the filing of the above-captioned rule as a modification to a proposed rule with your Office and Legislative Rule-Making.

Your cooperation in this regard is very much appreciated. If you have any questions or require additional information, please feel free to contact Roger T. Hall at 759-0515.

Sincerely yours,



David C. Callaghan
Commissioner

DCC;RTH:cc

Attachment

OFFICE OF THE SECRETARY OF STATE

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Relationship of Rule to Federal Program

47 C.S.R. 32
Regulations Governing Environmental Laboratories Certification
and
Standards of Performance

Legislative Rule

There is no counterpart federal regulation.

Statement of Consultation with
Environmental Protection Advisory Council

47 C.S.R. 32
Regulations Governing Environmental Laboratories Certification
and
Standards of Performance

Legislative Rule

The Environmental Protection Advisory Council has not been appointed to date. Therefore, no statement can be provided at this time.

TITLE 47
LEGISLATIVE RULES
BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF WATER RESOURCES

SERIES 32
REGULATIONS GOVERNING ENVIRONMENTAL LABORATORIES
CERTIFICATION AND STANDARDS OF PERFORMANCE

§47-32-1. General.

1.1. Scope. -- This rule governs the certification of laboratories conducting environmental analysis of waste and wastewater performed as required by rules or orders issued pursuant to the covered statutory programs. The rule establishes the provisions for obtaining and maintaining laboratory certifications and the criteria and procedures laboratories will be required to follow in analyzing samples.

1.2. Authority. -- West Virginia Code §22-1-15.

1.3. Filing Date. --

1.4. Effective Date. --

1.5. Incorporation by Reference. -- The Division hereby adopts and incorporates into this rule the approved "Guidelines Establishing Test Procedures for the Analysis of Pollutants" 40 CFR 136, EPA SW 846 Methods, and such other methods as may be approved by U.S. Environmental Protection Agency (EPA) or the Director.

1.6. Construction. -- This rule shall be liberally construed to permit the division of environmental protection to discharge its statutory functions and to effectuate the purposes of the laboratory certification program.

1.7. Purpose of this Rule. -- This rule is promulgated to insure that the results of environmental analyses are accurate, reproducible and verifiable. This purpose will be achieved by:

1.7.1. Establishing the administrative procedures to be followed by certified laboratories and laboratories seeking certification;

1.7.2. Establishing the categories and parameters in which laboratories

may be certified;

1.7.3. Establishing the minimum requirements, criteria and procedures for laboratory equipment and supplies, practices, methodology, quality control, personnel, facilities, data reporting, and laboratory and record maintenance, which a certified laboratory shall continually meet; and

1.7.4. Establishing the enforcement procedures the division will follow to ensure that all certified laboratories or laboratories seeking certification are in compliance with this rule.

1.8. Certification Program Requirements.

1.8.1. A laboratory analyzing samples for compliance with adopted rules, permits, or orders issued pursuant to a covered statutory program will follow the procedures set forth in this rule in order to obtain and maintain certification. The provisions of this rule are only applicable to tests required by State and Federal regulatory programs.

1.8.2. Certified laboratories and laboratories seeking certification will analyze all samples requiring testing under this rule in accordance with the procedures and methods required by this rule.

1.9. Program Information and Communications. -- Questions concerning the requirements of this rule should be directed to the Division of Environmental Protection, Office of Water Resources, Quality Assurance Program, 1201 Greenbrier Street, Charleston, WV 25311. Telephone Number (304) 558-0321.

§47-32-2. Definitions.

The following words and terms, when used in this rule have the following meanings unless the context clearly indicates otherwise.

2.1. "Accredited" means an approval conferred upon institutions or programs where appropriate by a nationally recognized accrediting agency or association as determined by the Division.

2.2. "Analyte" means an element, ion or compound of interest to the analyst.

2.3. "Analytical Reagent Grade" (AR), "ACS reagent grade", and "Reagent Grade" are synonymous terms for reagents which conform to the current specifications of the Committee on Analytical Reagents of the American Chemical Society.

2.4. "APHA Standard Methods" or "Standard Methods for the Examination

of Water and Wastewater" means the methods published by the American Public Health Association, 1015 Fifteenth Street NW, Washington, DC 20005.

2.5. "Approved analytical methods" are those analytical or test methods cited in the Code of Federal Regulations as being approved by EPA or such other methods as shall be approved by the Director.

2.6 "Category" means a group of parameters for which certification is offered.

2.7. "Certification" means the approval granted by the chief authorizing a laboratory to provide environmental compliance data.

2.8. "Certification parameter" means a parameter which is identified in a performance evaluation sample test and that is used to evaluate the overall analytical performance of a laboratory on the specific method.

2.9. "Certification year" is that period of time following the date upon which the laboratory first receives certification for any parameter or category and lasting for 365 consecutive days.

2.10. "Certified thermometer" is a thermometer that has documentation from the manufacturer showing that it has been compared against a National Institute for Standards Testing (NIST) thermometer covering the temperature ranges employed by the laboratory.

2.11. "CFR" means the Code of Federal Regulations.

2.12. "Chief" means the Chief of the Division of Environmental Protection's Office of Water Resources.

2.13. "Compliance analysis" means the analysis of a sample that is required to be analyzed by a division rule, permit or order.

2.14. "Covered statutory programs" means one of the regulatory programs developed under statutory authority of one of the following acts of the Legislature:

2.14.1. Water Pollution Control Act, WV Code §22-11-1.

2.14.2. Hazardous Waste Management Act, WV Code §22-18-1.

2.14.3. Hazardous Waste Emergency Response Fund Act, WV Code §22-19-1.

2.14.4. Underground Storage Tank Act, WV Code §22-17-1.

2.14.5. Solid Waste Management Act, WV Code §22-15-1.

2.14.6. Groundwater Protection Act, WV Code §22-12-1.

2.15. "Division" means the West Virginia Division of Environmental Protection, Bureau of Environment.

2.16. "Director" means the director of the West Virginia Division of Environmental Protection, Bureau of Environment. The Director may designate the Chief of the Office of Water Resources to administer this rule.

2.17. "EPA" and "USEPA" means the United States Environmental Protection Agency.

2.18. "Laboratory" means a facility conducting tests or analyses of parameters for which certification is required, where the results of such tests or analyses are used for purposes of demonstrating compliance under the covered statutory programs. Provided; The term "laboratory" shall not include individuals conducting analyses of constituents that must be conducted in the field because of practical constraints; such as, but not limited to pH, dissolved oxygen, total residual chlorine and sulfide.

2.19. "Laboratory pure water" means distilled or deionized water which is free of contaminants that interfere with analytical tests.

2.20. "Laboratory seeking certification" means an uncertified laboratory which has submitted an acceptable application and the appropriate fee.

2.21. "Parameter" means an analytical method or test within a category and for which certification is offered.

2.22. "Performance evaluation sample" means a sample containing a known amount of a specific or combination of parameters used in part to evaluate the performance of a laboratory.

2.23. "Person, Persons, or applicant" means any industrial user, public or private corporation, institution, association, firm or company organized or existing under the laws of this or any other state or country; state of West Virginia; governmental agency, including federal facilities; political subdivision; county commission; municipal corporation; industry; sanitary district; public service district; drainage district; soil conservation district; watershed improvement district; partnership; trust; estate; person or individual; group of persons or individuals acting individually or as a group; or any legal entity whatever.

2.24. "Personal and direct supervision" means that a supervisor is available either in person or on call at all times when laboratory procedures are being performed.

2.25. "Primary Standard" means a highly pure reagent used as a reference for standardizing other reagent solutions.

2.26. "Quality Assurance Program" means a regulatory program developed to achieve the purposes of subsection 1.7 of this rule for the covered statutory programs of the Division of Environmental Protection.

2.27. "Raw Data" means that data acquired in the process of collecting and analyzing samples for compliance testing purposes. Raw data includes such sampling report forms, sample log books, laboratory bench sheets, calculations and formulas, and analytical data and notes as are used during sample analysis. Raw data may be in the form of graphs, line recorder charts, handwritten data, or computer printouts made at or near the time of the analysis or sample collection.

2.28. "Replicate sample" means a sample prepared by dividing a homogeneous sample into separate parts so that each part is also homogeneous and representative of the original sample.

2.29. "Standard curve" means a curve plotting concentrations of a known parameter standard minus a blank, versus the standard's absorbance or percent transmittance or other instrument response.

2.30. "Supervisor" means that designated person responsible for the technical adequacy and quality of data for a certification category, and who possesses the qualifications required under subsection 3.7 of this rule.

§47-32-3. Certification Program; Application, Procedures, and Requirements.

3.1. Requirements of Certification.

3.1.1. With the exception of those tests not normally performed in a laboratory proper, all sample analyses required by order of the Division or performed for the purpose of determining compliance with chemical, microbiological, aquatic toxicity and radiological requirements of the State's covered statutory programs must be performed in laboratories certified for this purpose pursuant to this rule. Analyses performed in laboratories not so certified shall not be accepted by the Division as being in compliance with the requirements, rules or orders of the Division. All analyses not performed in a laboratory proper must be performed by personnel under the direction of a supervisor from a certified laboratory.

3.1.2. Laboratories doing business in other states where a state certifying agency grants reciprocal certification, approval, or other authorization to laboratories located in West Virginia, and which is certified, approved or authorized by the agency of that state having primary certification responsibility under Federal programs delegated to such other state under conditions equivalent to those required by this rule, are considered to be certified for the purpose of this rule once they have complied with the provisions of Section 3.4. Laboratories doing business in other states where certification is not required, and who are not certified in another state, may be considered for certification by following the conditions and requirements stated in Section 3.3.

3.1.3. Only laboratories certified pursuant to this rule or maintained by the EPA may be called West Virginia Certified Environmental Laboratories and no laboratory may adopt any name or make any oral or written statement intended or likely to mislead the public with respect to its certification status.

3.2. Categories of Certification. -- A laboratory applying for certification in one or more of the following categories must demonstrate acceptable performance on performance evaluation samples, where available, and meet all other requirements of this rule. The laboratory certificate will specify the categories and the parameters within each category for which the laboratory is certified and it must be displayed in a location visible to the public. Tests for all categories, except Aquatic Toxicity, must be conducted in accordance with the method and procedures specified in the Code of Federal Regulations, Chapter 40 as appropriate, or other methods that may be approved by EPA or the Director. The certification categories are:

3.2.1. Atomic Absorption, Emission Spectroscopy, and Flame Photometry -- which comprises tests or analyses for which the atomic absorption methods are applicable or required.

3.2.2. Limited Chemistry -- which comprises chemical tests or analyses except those for which the atomic absorption, gas chromatography and/or mass spectrometry methods are specifically required.

3.2.3. Gas Chromatography (GC) and Mass Spectrometry (MS) -- which comprises tests for which the GC and/or MS methods are applicable or required.

3.2.4. Microbiology -- which comprises tests for Coliform Bacteria, Fecal Streptococci, Pathogenic Bacteria, Plate counts, Viruses, Paracites and Paracite ova.

3.2.5. Aquatic Toxicity -- testing which must be conducted in accordance with the methods and procedures specified in Standard Methods or EPA 600/4-85-013 et.seq. (acute) or EPA 600/4-89-001 et.seq. (chronic) or other methods that may be approved by EPA or the Director;

3.2.6. Radiological.

3.2.7. Characteristics -- which include Corrosivity, Ignitability, Reactivity, Extraction Procedure Toxicity and Toxic Characteristic Leaching Procedure.

3.3. Application Procedures and Requirements for Laboratories Located in West Virginia.

3.3.1. A person operating a laboratory in West Virginia who wants to be certified in one or more of the categories and parameters thereof or, who if already certified, wants to add a category or a parameter within a category, must apply for certification to the West Virginia Division of Environmental Protection, Quality Assurance Program, refer to subsection (1.9) of this rule for address. The applicant shall submit the appropriate fee with the application for certification.

3.3.2. An application for certification is acceptable when a complete application is submitted. This includes the appropriate fee, and the information requirements of this rule for the category, categories or parameter(s) for which certification is requested. Acceptance of a complete application does not authorize the laboratory to perform analyses regulated by this rule. The applicant will be notified of the acceptance and the laboratory inspected to determine if it is in compliance with the requirements of this chapter prior to the issuance of certification.

3.3.3. An application will be rejected without prejudice for not being a complete application.

3.3.4. Performance evaluation samples will be a part of this inspection. Proficiency testing will be in accordance with subsection 3.10 of this rule. Following acceptable analytical values for the performance evaluation samples the Quality Assurance office will contact the laboratory to arrange a mutually acceptable date for an on-site inspection. Certified laboratories that desire to extend the range of tests or analyses offered must demonstrate satisfactory results in testing Performance Evaluation samples for these additional parameters.

3.3.5. The results of the analysis or testing of performance evaluation samples shall be considered in determining whether the certification of the laboratory should be granted, renewed, denied, revoked, or suspended. Certification may be granted only for those parameters for which the laboratory performs acceptably.

3.3.6. An applicant for certification who either does not perform acceptably on the performance evaluation samples or does not meet the requirements of this rule shall be notified by Certified Mail that certification has been denied. Laboratories notified of certification denial must immediately cease performing

analyses required of a certified laboratory by this rule or the covered statutory programs.

3.3.6.a. Applicants receiving a notification of certification denial may not reapply for certification until the laboratory assures the Quality Assurance Office in writing that all reasons for certification denial have been rectified.

3.3.6.b. Owners, principal officers, managers or supervisors of a laboratory, for which certification has been denied, may not reapply for certification of this same facility by simply changing the company or laboratory name.

3.3.6.c. Certification is transferrable. A laboratory facility must, on a form prescribed by the director, notify the Division at the address listed in subsection 1.9 of this rule that the facility is being sold or has a change of principal officer(s), manager(s) or supervisor(s).

3.3.7. Certifications may contain conditions requiring correction of minor deficiencies identified by the Quality Assurance Officer by a date or dates specified therein.

3.3.8. The following special provisions are applicable to the phase-in of the West Virginia Environmental Laboratory Certification Program:

3.3.8.a. Laboratories in operation upon the effective date of this rule may continue to conduct tests and analyses for compliance purposes for a period of 60 days following the effective date of this rule. Within the 60 days following the effective date of this rule, laboratories that desire to continue performing tests and analyses for compliance purposes must complete and submit, on a form prescribed by the Director, an Application for Certification specifying the tests and analyses for the parameter(s) for which the laboratory seeks certification, along with the appropriate fee for such application, as established under subsection 3.6 of this rule. Laboratories that have submitted a complete application and the appropriate fee to the Director within the 60 days following the effective date of this rule may continue to perform tests and analyses for the parameters listed in the application until the Director takes final action upon the application.

3.3.8.b. Laboratories conducting tests and analyses for compliance purposes prior to certification as provided in subparagraph 3.3.8.a of this rule must follow the procedures and requirements of all applicable EPA test methods or other methods approved by the Director.

3.3.8.b.A. Laboratories that fail to acceptably analyze performance evaluation samples will be granted two additional opportunities within

60 days of notification of such failure to successfully analyze the samples for such parameters that the laboratory has been unsuccessful in analyzing, as provided in paragraph 3.10.7 of this rule.

3.3.8.b.B. Laboratories that otherwise fail to meet the requirements of this rule will be allowed to continue to conduct tests and analyses if within 15 days of notification of such deficiencies, the laboratory submits to the Director a plan to correct the deficiencies. A plan accepted by the Director, with or without revision, will afford the laboratory 60 days from the date of notification of acceptance to correct such deviations in accordance with the approved plan. The 60 day period may be extended if the Director determines that more than 60 days is necessary to correct the deficiencies in accordance with the approved plan.

3.4. Application Procedures and Requirements for Laboratories Not Located in West Virginia.

3.4.1. Owners of laboratories located in a state other than West Virginia, which have been certified, approved or otherwise authorized by that state's agency having primary certification, approval or authorization responsibility for laboratory certification programs with conditions equivalent to those required by this rule, and who have entered into a reciprocity agreement with West Virginia, and who wishes to perform analyses covered by this rule for West Virginia clients shall:

3.4.1.a. Annually complete the application form provided by the Division's Quality Assurance Office;

3.4.1.b. Have the form certified by the state agency having primary certification authorization/enforcement responsibility; and

3.4.1.c. Return the form to the Quality Assurance Office of West Virginia at the address listed in subsection 1.9 of this rule.

3.4.2. The application will be reviewed and if found to be complete the laboratory will be certified or recertified.

3.4.3. If the laboratory's certification, approval or authorization is revoked by the state agency having primary certification, approval or authorization responsibility, the West Virginia certification is automatically canceled for the same parameter(s) as has been revoked in the other state. The laboratory manager shall notify the West Virginia Quality Assurance Office and all clients in West Virginia of the revocation within 48 hours of receipt of notice of revocation.

3.4.4. The owner of a laboratory in a state other than West Virginia which is not certified by that state or is certified under conditions not equivalent to

those required by this rule and who wishes to perform analyses for West Virginia clients may apply for certification in accordance with the procedure set forth in subsection 3.3 of this rule. In addition, prior to conducting the on-site laboratory inspection, the laboratory shall submit to the Quality Assurance Office a per diem sum the Division determines to be sufficient to cover the travel, room, and board expenses of the certification inspector(s).

3.5. Renewal of Certification. -- Applications for renewal of certification must be submitted, on forms provided therefor, no later than 60 days before the expiration date of certification, and accompanied by the appropriate fee. A laboratory submitting an application for renewal of certification may continue to operate under the previous certification until the Quality Assurance Office notifies the laboratory of the approval or denial of renewal.

3.6. Fees.

3.6.1. Owners of Laboratories applying for certification or renewal of certification, shall submit the appropriate fee obtained from the following annual fee schedule for each category in which the laboratory seeks certification for one or more parameters, along with the required application materials. Fees are nonrefundable.

ENVIRONMENTAL LABORATORY CERTIFICATION
ANNUAL FEE SCHEDULE

Limited Chemistry	\$25.00 per analyte or parameter
Atomic Absorption	\$10.00 per metal
Gas Chromatography/Mass Spectroscopy .	\$500.00 for 600 or SW846 series methods each
Microbiology	\$50.00 per parameter per method
Aquatic Toxicity	\$500.00 Acute or Chronic each
Radiochemistry	\$500.00
Hazardous Waste Characteristics	\$100.00 per procedure

3.6.2. Laboratories owned or operated by the State of West Virginia or an agency of the Federal Government are exempt from the above fees, but shall make appropriate application for certification in accordance with the other provisions of this rule.

3.6.3. All application fees collected under this rule will be paid into a special state treasury fund designated the "Environmental Laboratory Certification Fund" which will be used to defray the cost of administering this rule.

3.7. Required Laboratory Personnel Qualifications.

3.7.1. Each laboratory must have one individual designated as the person responsible or in charge and irrespective of any local title or designation, is herein referred to as the laboratory manager.

3.7.2. Current employee records must include a resume documenting each employee's training, degrees held, experience, duties, and date(s) of relevant employment. This provision is applicable only to the employees laboratory and environmental sampling work history.

EDUCATION & EXPERIENCE REQUIREMENTS FOR SUPERVISORS

CERTIFICATION CATEGORY	EDUCATION (Years)(1)	+	EXPERIENCE (Years)(2)	SPECIAL REQUIREMENTS
Limited Chemistry & Microbiology	12 14 16	+ + +	2 or 1 or 1	ETC Certificate(3)
Atomic Absorption	16	+	2(4)	2 years of which must be in atomic absorption
Gas Chromatography	16	+	2(4)	2 years of which must be in gas chromatography
Mass Spectrometry	16	+	2(4)	2 years of which must be in mass spectrometry
Aquatic Toxicity	16	+	2(4)	2 years of which must be in aquatic toxicity testing
Radiochemistry	16	+	2(4)	2 years of which m u s t b e i n radiochemistry

Notes:

(1) 12 years = High School diploma or GED.

14 years = 2 years of college with emphasis in laboratory technology or a natural science.

16 years = Bachelors degree in Chemistry, Biology, Environmental Science, or other natural science.

- (2) Substitution -- 1 year of laboratory experience within the specific certification category may be used for each year of education beyond 12 years.
- (3) ETC Certificate = Environmental Training Center Laboratory Technician Certificate required of all POTW laboratory supervisors.
- (4) No substitution is allowed for the 2 years of minimum experience required.

3.7.3. Laboratory supervisors who are also laboratory technicians and who do not have the required laboratory experience will be considered a Supervisor-in-Training and must have their work reviewed by an individual meeting the above education and experience requirements for supervisors.

3.7.4. Those persons in a supervisory position upon the effective date of this rule are not subject to the above education requirements of this rule. Those persons who do not meet the above minimum experience requirements upon the effective date of this rule may remain in a supervisory position as a Supervisor-in-Training until such time as experience requirements have been met.

3.8. Duties and Responsibilities of Laboratory Personnel.

3.8.1. The laboratory manager or his designee will administer the operations of the laboratory including the approval of test and analysis results.

3.8.2. Each laboratory supervisor shall provide personal and direct supervision for technical personnel and for the reporting of tests and analyses.

3.9. Management of Laboratories.

3.9.1. A certified laboratory may offer as a service those laboratory tests, analyses, or procedures that are within the category or categories for which it is certified.

3.9.2. A laboratory that is certified shall only report analytical data for samples which are properly labeled, and for which there is reasonable assurance the samples have been collected, preserved, stored and transported in such a manner as to assure identity, stability of the sample, and proper analysis.

3.10. Proficiency Testing.

3.10.1. Except when determined by the Quality Assurance Office that an appropriate performance evaluation test is not readily available, all certified laboratories or laboratories seeking certification shall participate in an annual performance evaluation testing program covering all tests and analyses made available within the category, categories or parameter(s) for which the laboratory is certified or seeks certification.

3.10.2. The Quality Assurance Office or its authorized agent will send to the laboratory, at the laboratory's expense, a set of performance evaluation samples, if available, for the parameters for which certification is requested, but only following acceptance of the laboratory's application by the Division.

3.10.3. Laboratories certified or those seeking certification must test or analyze the performance evaluation samples and submit the results to the Quality Assurance Office or its authorized agent, as appropriate, within the time frame allowed each participant testing that set of samples for evaluation. Any laboratory found to send performance evaluation samples to another laboratory for testing will be denied certification and not allowed to reapply for certification for a period of five (5) years from the date of the denial.

3.10.4. The laboratory will have satisfied the requirements for testing for a parameter when it acceptably analyzes the range of values for that parameter, within a given set of performance evaluation samples, for which the laboratory seeks certification.

3.10.5. The laboratory will be informed of the results of such evaluation by the agency providing the test samples. For those parameters for which a laboratory has not successfully completed the performance evaluation after three attempts, the laboratory will be reevaluated upon written request.

3.10.6. Acceptable analysis for a value occurs when the reported value falls within the 99 percent confidence interval calculated for that sample from available performance evaluation data.

3.10.7. The laboratory will have three separate opportunities within 90 days to acceptably analyze one of three different sets of performance evaluation samples for any parameter for which the laboratory seeks certification. The laboratory need only repeat performance evaluation tests for those parameters for which the laboratory has failed to perform acceptably. Parameters for Organic Samples shall mean a method, or method subdivision (i.e. Volatiles, Extractables, BTEX, etc.). Laboratories that fail to successfully analyze at least one of the three different sets of performance evaluation samples in the time period allotted will not

be reevaluated for a period of one year from the last failure.

3.11. Laboratory Inspections.

3.11.1. As a condition of obtaining and maintaining certification, a laboratory will permit and facilitate inspections by personnel of the Division. This inspection will include the physical facilities as well as laboratory records and reports.

3.11.2. The Division will conduct at least one on-site inspection of a laboratory seeking certification to determine whether or not the laboratory meets the Quality Assurance Office standards as set forth in this rule.

3.11.3. Regular inspections of laboratories certified in accordance with this rule will be conducted during reasonable hours at intervals of not more than two years.

3.11.4. Authorized representatives of the Division may make inspections of a certified or an interim approved laboratory whenever the Division in its discretion considers such inspections necessary. A laboratory's refusal to allow entry to the Division's representative will be grounds for denial or revocation of certification.

3.11.5. During inspections, consideration will be given to staff competence, working conditions, testing or analytical methods used, quality control procedures, maintenance of records and compliance with the requirements of this rule.

3.11.6. The laboratory will be furnished with a copy of the inspection report which will list deficiencies found, and a listing of the parameters for which the laboratory has demonstrated proficiency during the inspection.

3.12. Cancellation, Suspension, and Revocation of Certification.

3.12.1. Any certified laboratory may cancel its certification in any category or parameter by notifying the Quality Assurance Office in writing of the laboratory's decision to cancel its certification. The laboratory will enclose its Environmental Laboratory Certification with the letter of notification. This cancellation notification will not entitle the laboratory to any refund of fees paid.

3.12.2. Whenever any deviations from the requirements of this rule are found, the laboratory shall comply with the provisions of paragraph 3.3.8 and parts 3.3.8.b.A and 3.3.8.b.B.

3.13. Effect and Duration of Suspension and Revocation.

3.13.1. The results of any tests or analyses performed after the effective date of a suspension or revocation order for any category or parameter will not be accepted by the Division as compliance with the requirements for NPDES reporting.

3.13.2. Suspension or revocation will not be withdrawn until all basis for the suspension or revocation have been eliminated or rectified.

3.14. Notice of Changes -- In the event there are any changes in the name, location, ownership, address, telephone number or supervisory personnel of the laboratory to which the provisions of this rule apply, then the laboratory will immediately submit written notice thereof to the Division. For supervisory personnel this provision applies only to those whose responsibilities include analyses that must be made in compliance with this rule.

§47-32-4. Laboratory Requirements.

A certified laboratory or a laboratory seeking certification must continually meet and follow the requirements of this section.

4.1. Laboratories will have on the premises and under the control of the laboratory manager all of the equipment and instruments necessary to analyze each parameter in which the laboratory is certified, or is seeking certification. All equipment must meet the minimum standards required by the test method used.

4.2. General Requirements for All Laboratories.

4.2.1. Adequate laboratory space and facilities must be available to properly carry out the services performed in, or offered by, the laboratory.

4.2.2. Laboratory work areas will be arranged so as to minimize problems in contamination, transportation and communication.

4.2.3. Workbench space within the laboratory must be ample for the tests or analyses to be performed, have adequate lighting and be convenient to a sink, water, gas, suction and electrical outlets as necessary to properly carry out the specific tests or analyses to be performed.

4.2.4. Temperature and humidity within the laboratory are to be maintained within the limits required for the proper performance of each test or analysis, the proper operation of the various instruments, and the proper storage of expendable supplies.

4.2.5. Each laboratory will have available adequate equipment and instruments necessary to properly perform the tests and analyses for the parameters within the categories for which the laboratory is certified or is seeking certification.

4.2.6. pH meters must have an accuracy of and scale graduations within 0.1 standard unit.

4.2.7. Analytical and pan balances are to be clean, not corroded, and be provided with Class-S weights. Analytical balances will be capable of weighing to 0.1 milligram minimum. Pan balances will be capable of weighing to 100 milligrams.

4.2.7.a. An analytical balance must be mounted on a heavy, shockproof table. The balance level must be checked frequently and adjusted as necessary;

4.2.7.b. An analytical balance must be located in an area that is not near laboratory traffic and is protected from sudden drafts and humidity changes; and

4.2.7.c. Two Class-S weights are to be available for checking the analytical balance, one in the gram range and one in the milligram range.

4.2.8. Glass or metal thermometers will be graduated in one degree centigrade (or 2 degrees Fahrenheit) increments and readable to 0.5 degrees centigrade (1 degree Fahrenheit) for all analyses except fecal coliform analysis; in which case glass or metal thermometers are to be readable to 0.2 degrees centigrade.

4.2.8.a. Continuous temperature recording devices will be sensitive and accurate to within 1.0 degree centigrade (2 degrees Fahrenheit).

4.2.8.b. The column of liquid in glass thermometers will have no separation.

4.2.8.c. Thermometers must be calibrated annually for glass types and quarterly for metal types against a certified thermometer traceable to a National Institute for Standards Testing thermometer. See also subparagraph 5.2.2.g of this rule for additional thermometer requirements.

4.2.9. Sample storage refrigerators must maintain an internal temperature of 1 to 4 degrees centigrade.

4.2.10. Laboratory glassware, plastic ware, and metal utensils will meet the following requirements:

4.2.10.a. Glassware and metal utensils must resist corrosion, and be capable of withstanding high temperatures, and vigorous cleaning;

4.2.10.b. Flasks, beakers, dilution bottles, culture dishes, culture tubes and other glassware are to be of borosilicate glass and free of chips, cracks, and excessive etching;

4.2.10.c. Volumetric glassware should be Class A and need not be calibrated before use. Non Class A glassware must be calibrated before use; and

4.2.10.d. Metal utensils must be made of stainless steel or other inert material.

4.2.11. Pipettes must meet the following requirements:

4.2.11.a. Glass pipettes are to be made of borosilicate glass.

4.2.11.b. Plastic pipettes must be compatible with the reagents being measured, i.e. will not dissolve or show signs of etching or numbers being removed;

4.2.11.c. Plastic pipettes may be used for microbiological procedures only;

4.2.11.d. Pipettes must deliver the required volume quickly and accurately within a 2.5 percent tolerance; and

4.2.11.e. Pipettes must not be excessively etched, nor the mouthpiece or delivery tips chipped, or the graduation marks illegible.

4.2.12. Magnetic stirrers must have variable speeds, and use Teflon coated stirring bars.

4.3. Criteria and Procedures for Microbiological Testing.

4.3.1. The Division incorporates from the latest approved edition of APHA Standard Methods and Microbiological Methods for Monitoring the Environment, EPA 600/8-78-017 et.seq., or such other methods as may be approved by EPA or the Director, all the standards, criteria, sample and analytical procedures and methodology, quality assurance and quality control specifications for evaluation and certification purposes under subsection 4.3 of this rule.

4.3.2. Laboratory pure water will be analyzed for the parameters listed in the following table. Should the test results for any of the substances exceed

the standards set forth in the table, corrective action must be taken and the water retested.

QUALITY OF PURIFIED WATER USED IN MICROBIOLOGY TESTS

Test	Monitoring Frequency	Limit
<u>Chemical Tests:</u>		
Conductivity	With each use	>0.5 megohms resistance or <2 umhos/cm at 25 degrees centigrade
pH	With each use	5.5 - 7.5
Heavy Metals (single)	Annually	<0.05 mg/L
Cd, Cr, Cu, Ni, Pb, Zn (total)	Annually	<0.10 mg/L
Ammonia/Organic N	Monthly	<0.10 mg/L
Total Chlorine Residual	with each use	< detection limit
<u>Bacteriological Tests:</u>		
Heterotrophic Plate count	Annually	<1000 colonies/mL

4.4. Criteria for Chemical, Gas Chromatography and Mass Spectrometry Testing and Analysis -- The Division incorporates from the latest approved edition of APHA Standard Methods, Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020 et.seq., and US-EPA SW-846 manuals, or such other methods as may be approved by EPA or the Director, all the standards, criteria, sample and analytical procedures and methodology, quality assurance and quality control specifications for evaluation and certification purposes under subsection 4.4 of this rule.

4.5. Criteria and Procedures for Toxicity Testing -- All work is to be performed in accordance with procedures out-lined in APHA Standard Methods and/or in Methods for Measuring the Acute Toxicity of Effluents to Freshwater and Marine Organisms, EPA 600/4-85-013 et.seq., or Short Term Methods for Estimating Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms, EPA 600/4-89/001 et.seq. or such other methods as may be approved by EPA or the Director for the test to be performed.

4.6. Criteria and Procedures for Radiochemical Testing.

4.6.1. The types of radiation counting systems needed to comply with this rule are described in 40 CFR 136. Laboratories are required to have on the premises and under the control of the laboratory manager those instruments needed to analyze for those activities or specific radionuclides for which the laboratory is certified.

4.6.2. Laboratories must use the analytical procedures specified in Chapter 40 of the Code of Federal Regulations, or such other procedures as may be approved by EPA or the Director.

§47-32-5. Methodology, Quality Control and Record Keeping.

5.1. Methodology.

5.1.1. Sample collection, handling, and preservation technique specified in Chapter 40 of the Code of Federal Regulations, or other procedures approved by EPA or the Director are to be followed.

5.1.1.a. Samples requiring preservation will be preserved at the time of collection.

5.1.1.b. Sample collection, handling and preservation techniques specified by the analytical methods will be followed for the parameters analyzed by those methods.

5.1.1.c. The sample report form (chain of custody) must be completed immediately after collection and will state the sampling location, date and time of collection, collector's name, and any remarks.

5.1.1.d. After the sample has been collected, the appropriate information as to identity of the sample is to be written on the label. The label must remain affixed to the sample container and is not to be removed until the required analyses have been completed and the surplus sample has been discarded.

5.1.1.e. Immediately upon delivery of the sample to the laboratory, the sample collector will complete the appropriate chain of custody section of the sample report form or chain of custody form. A chain of custody form is not required where the sampler is also the analyst and in situations where the laboratory and the sample site(s) are within the property boundaries of the facility in which the laboratory is located.

5.1.1.f. Prior to accepting custody of a sample, laboratory

personnel must be reasonably assured that the sample has met the preservation requirements. If the sample fails to meet these requirements, the sample chain of custody form is to be marked indicating the sample was improperly preserved.

5.1.1.g. When it is necessary to send samples by mail, bus, courier service, or private shipping, the chain of custody form is to be completed by the sampler and is to accompany the samples during shipping. Upon receipt of the samples in the laboratory, the provisions of subparagraph 5.1.1.f of this rule are to be followed.

5.1.2. Test procedures identified in Chapter 40 of the Code of Federal Regulations, or other methods approved by EPA or the Director will be utilized for the analysis of all samples required to be reported to the Division of Environmental Protection.

5.1.2.a. All procedures other than those set forth in paragraph 5.1.2 of this rule are considered alternative analytical methods. Laboratories must make special application to the Division for the use of alternative analytical methods and such application must include a showing of acceptable comparability data.

5.1.2.b. All laboratories which have previously been granted approval to use an alternate analytical method by the US EPA will be allowed to continue using such method after it submits written proof of the approval to the Division.

5.1.3. General Laboratory Practices.

5.1.3.a. Chemistry.

5.1.3.a.A. Laboratories utilizing visual comparison devices must calibrate the standards incorporated into such devices at least once every four months. The laboratory will make and maintain records of the date and method of each such calibration.

5.1.3.a.B. Distilled and deionized water is to have at a minimum, resistivity values between 0.5 - 2.0 megohms-cm (2.0 - 0.5 umhos/cm) at 25 degrees centigrade.

5.1.3.a.C. Analytical Reagent grade chemicals should be used for most analyses. Detailed information on reagent grades is set forth in the approved analytical methods and their recommendations must be followed for the reagent quality to be used for each test or analysis.

5.1.3.a.D. Determine method detection limits for all Limited Chemistry, Atomic Absorption, Gas Chromatography/Mass Spectroscopy parameters tested. Method found in 40 CFR part 136 must be used for this calculation.

5.1.3.a.E. Field blanks, field duplicates and trip blanks must be performed on those test categories named in part 5.1.3.a.D of this rule, at a minimum of two times per year, one during the cold wet season and one during the warm dry season.

5.1.3.b. Microbiology.

5.1.3.b.A. Laboratory sterilization procedures are to meet the requirement of 121 degrees centigrade and the time adjusted for the type and volume of material to be sterilized as specified in the standardized methods.

5.1.3.b.B. Membrane filter assemblies must be sterilized after each sample filtration series, the end of which is marked by the lapse of 30 minutes or more between sample filtrations.

5.1.3.b.C. At least two minutes of ultraviolet light or boiling water may be used on a membrane filter assembly to prevent bacterial carry-over between filtrations.

5.1.3.b.D. Dried glassware may be sterilized in a hot air oven at 170 centigrade for a minimum of two hours.

5.1.3.b.E. Media may be prepared from dehydrated media stock or commercially prepared ampouled media may be used for routine bacteriological procedures.

5.1.3.b.F. Rinse water and dilution water used by the laboratory must be prepared according to instructions in the standardized methods and the final pH adjusted to 7.2 ± 0.1 .

5.1.3.c. Aquatic Toxicity Testing.

5.1.3.c.A. Natural or artificial sources of water may be used, but natural sources are preferred.

5.1.3.c.B. Natural sources are to be free of pollution, low in turbidity, high in dissolved oxygen, low in B.O.D., and the pH must be favorable to the maintenance of the organisms.

5.1.3.c.C. Municipal water supplies are acceptable. Water from a municipal source must be passed through a filter to remove organic chemicals and chlorine before use, and conditioned for the species under test.

5.1.3.c.D. Test organisms are to be fed as outlined in Methods of Measuring Acute Toxicity, EPA manual 600/4-85-013.

5.1.3.c.E. Treatment of diseased or parasitized organisms is to be in accordance with the procedures given in APHA Standard Methods and Methods for Measuring Acute Toxicity, EPA manual 600/4-85-013.

5.1.3.c.F. Organisms treated for disease or parasites are not to be used in aquatic toxicity tests for at least 10 days after treatment.

5.1.3.d. Radiochemistry.

5.1.3.d.A. Analytical reagent grade (AR) chemicals will be used for all analyses, unless otherwise required for an individual analytical procedure.

5.1.3.d.B. Radioactive standards and radioactive wastes are to be stored in an enclosed and properly labeled area, either within the laboratory or in a separate room or facility. All radioactive materials must be safely stored in suitable containers.

5.1.3.d.C. Standards and samples are to be prepared in an area of the laboratory specifically designated for and exclusively used for the preparation of radioactive standards and samples. Adequate precautions must be taken in this area to ensure against radioactive contamination.

5.1.3.e. Gas Chromatography / Mass Spectrometry -- Equipment must be capable of meeting the quality control requirements specified in paragraph 5.2.6 of this rule.

5.2. Quality Control Programs -- Each laboratory will develop, and have on file available for inspection a written description of the current laboratory Quality Assurance Program Plan. This written description will outline the procedures which the laboratory uses in meeting the quality control requirements set forth in this subsection. Managers, supervisors, and analysts should participate in developing the quality control program. Each participant within the laboratory is to have access to a copy of the quality control program and the detailed guidelines for implementation of the participant's responsibility. A record of analytical control tests and quality control checks on media, materials, and equipment will be prepared by the laboratory and retained for at least three years.

5.2.1. A written description includes, but need not be limited to, the following for each category:

5.2.1.a. Procedures which the laboratory will use in meeting the quality control requirements of this rule pertaining to laboratory equipment and instrumentation, and the frequency with which such procedures will be performed.

5.2.1.b. Each laboratory will develop a written laboratory procedures manual which sets forth, in detail, the methods which the laboratory will use in chemical analyses for all parameters for which the laboratory is seeking certification.

5.2.1.c. Each laboratory must record and retain all raw data and calculations derived from analyses and quality control procedures in a manner that will provide easy verification of the data and calculations during on-site inspections.

5.2.2. Limited Chemistry and Atomic Absorption laboratories must perform the following internal quality control checks:

5.2.2.a. Each analytical balance, with the exception of electronic balances without internal calibration controls, is to be checked and adjusted annually by a balance service technician. The accuracy of each analytical balance must be checked on each day of use using at least two Class-S weights, one in the gram range and one in the milligram range. The weights used, weight detected, dates on which checks were performed, analyst, and other pertinent information is to be recorded in a log book. The daily weighing check will be used as an indication of proper operation of electronic balances.

5.2.2.b. The wavelength setting of the spectrophotometer is to be checked yearly by comparing the wavelength setting to the absorption maxima of colored standards of filters such as didymium glass or by using standard Cobalt Chloride solution which has a maximum absorbance at a wavelength of 510 mμ. The check data is to be recorded in a log book.

5.2.2.c. pH meters are to be calibrated prior to usage with two pH buffer standards bracketing the value to be measured and the calibration recorded.

5.2.2.d. Conductivity meters must be checked over the range of the instrument using at least five concentrations of standard solutions yearly. The cell constant, k , is to be determined from this data. The meter must be calibrated using at least one standard with each use. The results of these calibrations must be recorded in a log book.

5.2.2.e. A daily record of the drying oven temperature must be maintained for each day on which the drying oven is in use. The oven thermometer must be kept in a sand bed or other inert material.

5.2.2.f. The temperature of each refrigerator and each incubator is to be either recorded continuously or recorded daily from in-place thermometers immersed in liquid and placed on one of the shelves being used. The refrigerator thermometer must be kept in a low vapor pressure liquid such as 50/50 water/Ethylene Glycol.

5.2.2.g. The accuracy of all thermometers used to monitor temperatures will be verified by comparing the readings of such thermometers with the readings of a certified thermometer. Glass thermometers are to be verified yearly and metal thermometers quarterly. A record of each thermometer identification and the results of the test are to be kept in a log book.

5.2.2.h. Standard curves consisting at a minimum of one reagent blank and 4 standards are to be prepared for each analysis requiring such a curve. This curve will be verified in each subsequent analyses by using at least one reagent blank and one standard at or near the concentration levels normally encountered in such analyses. Such verifications are considered satisfactory if the results are within 10 per cent of the original curve when following vendor approved procedures for instrument calibration.

5.2.2.i. Standard curves used in the analysis of parameters in the Atomic Absorption category will be prepared as stated above in subparagraph 5.2.2.h of this rule except that a minimum of one reagent blank and 2 standards are required.

5.2.2.j. In all cases where possible, replicate sample analyses are to be conducted for parameters in the Limited Chemistry and Atomic Absorption categories to verify the precision of the method. Replicate analyses will be performed at a frequency of 5 percent. Where less than 20 samples are analyzed at one time the analyst is to verify the precision once per analysis batch.

5.2.2.k. In all cases where possible, spiked sample analyses will be conducted to verify the accuracy of the method at the same frequency as set forth in subparagraph 5.2.2.j of this rule. Documentation will be made of both precision and accuracy testing.

5.2.2.l. In all cases where possible, standard deviations are to be calculated and documented for all applicable measurements being conducted in the Limited Chemistry and Atomic Absorption categories (spiked sample recoveries). Standard deviations must be documented in tabular form and on control charts.

5.2.3. Microbiology.

5.2.3.a. A start and finish MF sterile control test of rinse water, media and supplies will be conducted for each sample filtration series. If the control tests indicate contamination, then all data which has been generated through tests involving the use of the contaminated materials will be rejected and the laboratory must request immediate resampling of those waters involved in the laboratory error.

5.2.3.b. The MPN test must be carried through the "confirmed" stage for Fecal Coliform.

5.2.4. Aquatic Toxicity Testing -- An acceptable degree of precision for definitive toxicity tests is the 95 percent confidence level or fiducial intervals within less than + 30 percent of the 48 hour or incipient LC50 value.

5.2.4.a. A reference toxicant test is to be performed to establish the validity of effluent toxicity data generated by bioassay laboratories.

5.2.4.b. Reference toxicant materials are available from the Environmental Protection Agency, Environmental Support Laboratory, Cincinnati, Ohio. Instructions for their use and the expected LC50 values are provided with the samples.

5.2.4.c. The reference toxicant test must be conducted within 7 days immediately preceding an effluent toxicity test or concurrently with the toxicity test.

5.2.4.d. A control chart, as described in Methods of Measuring Acute Toxicity-EPA manual should be prepared for each reference toxicant/organism combination, and successive LC-50's plotted and examined to determine if the results are within prescribed limits.

5.2.4.e. If the LC-50 of reference toxicant does not fall in the expected range for the test organisms, the sensitivity of the test system is suspect. In this case, the test procedure should be examined for defects, and a different batch of test organisms should be employed in repeating the reference toxicant and effluent toxicity test.

5.2.5. Radiochemistry -- Permanent records must be maintained of preventive maintenance, periodic inspections, testing, and calibration for the proper operation of radiation instruments and analytical balances; validation of methods; evaluation of reagents and volumetric equipment; surveillance of results; and remedial actions taken in response to detected defects. Such records must be kept on

file by the laboratory for a period of at least five years.

5.2.5.a. To verify internal laboratory precision, duplicate analyses equal to ten percent of sample analyses shall be performed. The differences between duplicate measurements shall be less than twice the standard deviation of the specific analysis as described in Environmental Radioactivity Laboratory Intercomparison Studies Program, EPA 600/4-77-001 et.seq.

5.2.5.b. One background and one calibration standard must be tested each day at a 5 percent level or fraction thereof.

5.2.5.c. Work records of quantitative tests are to indicate final results together with all corresponding instrument readings and calculations. Where instrumentation produces tracings or printouts, such tracings or printouts may serve as the work record.

5.2.6. Gas Chromatography and Mass Spectrometry.

5.2.6.a. The frequency and procedures for satisfying each of the requirements listed in subparagraphs 5.2.6.b and 5.2.6.c of this rule are described in detail in EPA publication SW-846, Chapter 40 of the Code of Federal Regulations, and/or in the US EPA Contract Laboratory Program Statement of Work for Organics Analysis.

5.2.6.b. Minimum quality control operations necessary to satisfy the analytical requirements associated with the determination of semi-volatile and volatile organic compounds by gas chromatographic methods will include the following:

- 5.2.6.b.A. Evaluation of Appropriate Blank Materials.
- 5.2.6.b.B. Surrogate Spike Response Monitoring.
- 5.2.6.b.C. Matrix Spike and Duplicate Analyses.
- 5.2.6.b.D. Verification of Response and Calibration.
- 5.2.6.b.E. Conformational Analysis.

5.2.6.c. Minimum quality control operations to satisfy the analytical requirements associated with gas chromatographic/mass spectrometry determinations of semi-volatile and volatile compounds will be as follows:

- 5.2.6.c.A. Documentation of GC/MS Mass Calibration and

Tune Abundance Patterns.

Stability. 5.2.6.c.B. Documentation of GC/MS Response Factor

Time Documentation. 5.2.6.c.C. Internal Standard Response and Retention

5.2.6.c.D. Surrogate Spike Recovery Monitoring

5.2.6.c.E. Matrix Spike and Duplicate Analyses.

5.3. Records and Data Reporting.

5.3.1. Records of analyses, including but not limited to all raw data, calculations, quality control data, and laboratory reports, are to be kept by the laboratory for at least three years unless otherwise specified.

5.3.2. The following information is to be retained by the laboratory as part of the records of analysis and the records of custody:

5.3.2.a. The laboratory number or other form of identification of the sample;

5.3.2.b. The date, time, specific site of sampling, and the name of the person who collected the sample or the laboratory which submitted the sample;

5.3.2.c. The date and time when the laboratory received the sample, whether the sample was received preserved or unpreserved;

5.3.2.d. The date and time of analysis of the sample;

5.3.2.e. The person or persons who performed the analysis;

5.3.2.f. The type of analysis performed and the analytical method or methods employed;

5.3.2.g. The results of the analysis and the raw data generated by the analysis; and

5.3.2.h. The name and address of the laboratory to which the sample was forwarded, if the analysis was not performed at the laboratory which first received the sample.

5.3.3. If the chain of custody information is reported on a chain of custody form, a copy of the form must be attached to the sample report form.

5.3.4. The results of each analysis are to be calculated and entered on the sample report form which is to be forwarded to the person requesting the analysis of the sample. A careful check is to be made to assure that each result entered on the sample report form is the same as the result entered on the bench sheet.

5.3.5. The original or true duplicate of the results of the test or analysis is to be sent promptly to the person who requested such tests or analysis, and must be signed by the laboratory manager or a designee whose designation has been submitted to the Division in writing.

5.3.6. Whenever a laboratory refers samples to another laboratory, the person ordering the examination is to receive the original laboratory report or a true duplicate of that report on the form of the laboratory that actually performed the test or analysis.

5.3.7. If results are entered into a computer storage system, a printout of the data must be verified with the raw data.

§47-32-6. Appeals.

Appeal to Environmental Quality Board -- Any person aggrieved or adversely affected by an order or action of the Director made and entered in accordance with the provisions of this rule or by issuance or denial of certification under the provisions of this rule, may appeal to the Environmental Quality Board in the same manner as appeals are taken under W. Va. Code §22B-1-7 to have the order vacated or modified. The filing of a notice of appeal will not automatically stay an order or action of the Director. The Environmental Quality Board will be reimbursed from the Environmental Laboratory Certification Fund for expenses incurred for appeal hearings filed with the Board relative to the provisions of this rule.



FILED

DEC 21 9 58 AM 1994

West Virginia Legislature
Legislative Rule-Making Review Committee

OFFICE OF WEST VIRGINIA
SECRETARY OF STATE

Room M-152, State Capitol
Charleston, West Virginia 25305
(304) 340-3286

Senator Joe Manchin, III, Co-Chair
Delegate Brian A. Gallagher, Co-Chair

December 6, 1994

Debra A. Graham, Counsel
Marie Nickerson, Admr. Assistant

NOTICE OF ACTION TAKEN BY LEGISLATIVE RULE-MAKING REVIEW COMMITTEE

TO: Ken Hechler, Secretary of State, State Register

TO: Mr. David C. Callaghan, Commissioner
Bureau of Environment
10 McJunkin Road
Nitro, WV 25143-2506

FROM: Legislative Rule-Making Review Committee

PROPOSED RULE: Environmental Laboratories Certification and
Standards of Performance, CST §47-31-1-7

The Legislative Rule-Making Review Committee recommends that the West Virginia Legislature:

1. Authorize the agency to promulgate the Legislative Rule
 - (a) as originally filed _____
 - (b) as modified by the agency X
2. Authorize the agency to promulgate part of the Legislative rule; a statement of reasons for such recommendation is attached. _____
3. Authorize the agency to promulgate the Legislative rule with certain amendments; amendments and a statement of reasons for such recommendation is attached. _____
4. Authorize the agency to promulgate the Legislative rule as modified with certain amendments; amendments and a statement of reasons for such recommendation is attached. _____
5. Recommends that the rule be withdrawn; a statement of reasons for such recommendation is attached. _____

Pursuant to Code 29A-3-11(c), this notice has been filed in the State Register and with the agency proposing the rule.

cc: Roger T. Hall
Mark Scott
Dan Caldwell