

**INDUSTRIAL WASTE INSPECTOR
CERTIFICATION**

For certification rules and regulations please refer to NWEA's Policies & Procedures which can be accessed online at www.nvwea.org.

I. Definitions

“**Program Administrator**” is a contracted position overseen by the Board to perform certification activities.

“**Board**” means the Nevada Water Environment Association Certification Board.

“**Certificate**” means a certificate of competency issued by the Nevada Water Environment Association stating that the Industrial Waste Inspector has met the requirements of a specific inspector classification. It specifies the name and grade of the person certified, as well as the date the certificate was issued.

“**Continuing Education Unit (CEU)**” = 10 contact hours.

“**Full-Time or Equivalent (FTE)**” = qualifying experience.

“**Industrial Waste Inspector in Training (IWIT)**” means a person who has passed the Grade 1 exam but has not yet met the education and/or experience requirements to be certified as a Grade 1 Industrial Waste Inspector.

“**Rules and Regulations**” means rules, regulations, and policy for certification of the Industrial Waste Inspectors.

II. Experience and Education Requirements

Grade	Education & Certification	Experience*
1	High School or equivalent & 6 CEUs (see Section XII)	1 year full-time or equivalent (FTE)
2	Grade 1 Certification	2 years FTE
3	Grade 2 Certification	3 years FTE
4	Grade 3 Certification	4 years FTE

*Industrial Waste Inspector experience includes time spent performing industrial waste inspector duties.

In addition to the above requirements, the applicant must pass a written examination at each grade level.

III. Industrial Waste Inspector in Training

An individual may take the Grade 1 exam without first meeting the required education and/or experience requirements. Upon passing the exam, the individual will be issued an Industrial Waste Inspector in Training (IWIT) certificate. The IWIT certificate may be renewed every two (2) years. When the IWIT has met all of the requirements for the Grade 1, the individual may submit documentation of having met said requirements to the Board. Upon approval of the documentation, the IWIT certificate will be converted to a Grade 1 certificate that expires on the date the IWIT certificate previously did.

IV. How to Apply for Certification

To apply for certification, an applicant needs to submit a completed application form and a \$150 nonrefundable fee to the Program Administrator. Applications must be postmarked no later than 30 days prior to the posted examination date. Upon approval of the application, the applicant will be notified of the approval and the available examination dates and locations. The Board reserves the right to deny an application for certification if the Board determines that any requirement for such certification is not met. A fee of \$25 may be charged to any person whose check is returned because of a lack of funds.

V. Certification Exam

The Board will hold examinations at times and places throughout the year as may be required and convenient to the applicants. In the event an applicant fails to pass an examination, the applicant may apply for re-examination upon submission of a new application and filing fee. Applicants for certification will be required to pass a written examination to demonstrate their knowledge in the following areas:

GRADE 1

General safety; pretreatment regulations; effects of pollutants of treatment plants and collection systems; knowledge of biological and physical/chemical treatment processes; basic chemical definitions; basic sampling techniques, sample preservation; flow measurement techniques; general knowledge of the nature of various pollutants; basic wastewater math.

GRADE 2

Detailed knowledge of Grade 1; flow measurement and flow meters; industrial waste compatibility; general pretreatment methodology; sources and characteristics of industrial wastes; pollutant monitoring instrumentation; chemistry calculations.

GRADE 3

Detailed knowledge of Grades 1 and 2; pretreatment methods for industrial wastes; chemistry of industrial wastes; industrial unit processes; pretreatment program requirements; detailed knowledge of pollutants.

GRADE 4

Detailed knowledge of Grades 1 through 3; advanced waste treatment methods; analytical methodology; pretreatment program funding; source control; emergency response.

VI. Reciprocity with Other States

Reciprocity will be considered from applicants holding valid certificates from all certification programs in the United States and Canada. The applicant must meet all current education and experience requirements. Upon approval of the applicant's qualifications, reciprocity will granted one grade lower than the equivalent grade currently held by the applicant, with the exception that if an applicant currently holds the equivalent of a grade one certification that reciprocity will be granted at grade one.

If an applicant has received certification directly from the Association of Boards of Certification reciprocity will be granted as follows: 1) They must hold a valid certificate that was issued by the Association of Boards of Certification. 2) The applicant must meet all current education and experience requirements. 3) Upon approval of the applicant's qualifications, reciprocity will granted at the equivalent grade currently held by the applicant.

Reciprocity will be considered on a case by case basis from applicants holding valid certificates from certification programs located outside of the United States and Canada.

Certificates issued by reciprocity will be designated as such.

The fee for reciprocity is \$200.

VII. Certificate Renewals

Any certificate issued under the present rules and regulations shall be valid for a period of two (2) years from the date of issuance. Any certificate not renewed after two (2) years becomes automatically suspended. No examination shall be required for renewal, provided that the previous certificate shall not have been invalid for a period of more than one (1) year. The renewal application and renewal fee of \$80 should be sent to the Program Administrator for renewal of any Nevada certificate. Any renewal post-marked after the expiration date will be charged a \$20 late fee.

VIII. Replacement / Duplicate Certificate

Certified inspectors desiring a replacement or duplicate certificate may obtain such certificate upon payment of a \$20 fee.

IX. Decertification

The NWEA may revoke or refuse to renew the certificate of any operator. All revocation cases will be reviewed by a hearing before the Board of Certification, and a decision will be made by a unanimous vote of the quorum; quorum being five (5) out of seven (7).

A case for decertification may be considered by the Board for, but not limited to, the following:

- 1) The Inspector is incompetent or unable to perform his/her duties properly, or
- 2) The Nevada experience and education requirements for Industrial Waste Inspector certification have not been satisfied; or
- 3) The Inspector has practiced fraud or deception; or
- 4) The Inspector has failed to renew his/her certificate in accordance with these provisions.

X. Appeals and Protests

Any appeal or protest made because of the determination of the Program Administrator shall be in writing to the Board Chair. This notification shall be sent within twenty (20) days of receipt of the Administrator's written determination. The Chair shall, within sixty (60) days, make an inquiry of the protest and give an answer in writing. Any appeal of the Board Chair's determination shall be to the Certification Board. Further appeal may be made to the NWEA Executive Board, whose decision shall be final. Appellant must send the original facts again, and state in writing which part of the Committee's decision he/she deems improper, and why.

XI. Suggested Study Materials

The following study materials are available from the Office of Water Programs, CSU Sacramento, 6000 J Street, Sacramento, CA 95819-6025; telephone (916) 278-6142; fax (916) 278-5959; e-mail wateroffice@csus.edu; internet <http://www.owp.csus.edu/>

1. Pretreatment Facility Inspection
2. Industrial Waste Treatment, Vol. I & II
3. Treatment of Metal Wastestreams
4. Operation of Wastewater Treatment Plants, Vol. I & II
5. Advanced Waste Treatment

The following study materials are available from the Water Environment Federation, 601 Wythe Street, Alexandria, VA 22314-1994; telephone (800) 666-0206; fax (703) 684-2492; e-mail pubs@wef.org; internet <http://www.wef.org/>

1. Pretreatment of Industrial Wastes, Manual of Practice No. FD-3
2. Operation of Municipal Wastewater Treatment Plants, Manual of Practice No. 11
3. Safety & Health in Wastewater Systems, Manual of Practice No. 1

Additional study materials include Title 40 of the Code of Federal Regulations, which can be accessed online at <http://www.epa.gov/>. Individual publications are available from the US Government Printing Office, Superintendent of Documents, P O Box 371954, Pittsburgh PA 15250-7954; telephone (866) 512-1800; fax (202) 512-2250; e-mail gpoaccess@gpo.gov; internet <http://bookstore.gpo.gov/>

For additional information, see Web site: www.nvwea.org

XII. Certification Training

Courses directly related to wastewater treatment will receive full value. Courses indirectly related to wastewater treatment will receive one-half value. Directly related short courses, including those given at the Water Quality Control Institute, are equivalent to one CEU per 8-hour day, with a maximum of three CEUs per week. If the course is considered to be indirectly related, one CEU will be given for each two days, with a maximum of two CEUs per week. College courses (including extension and correspondence courses taken for credit) earn 1.5 CEUs per semester credit. Indirectly related courses earn a half-credit. (Half-credit = 0.7 CEU per semester credit)

Certification Training (continued)

Directly Related Correspondence Courses

California State University, Sacramento

1. Operation of Wastewater Treatment Plants, Vol. I & II (9 CEUs each)
2. Advanced Waste Treatment (9 CEUs)
3. Small Wastewater System Operation and Maintenance, Vol. I & II (9 CEUs each)
4. Industrial Waste Treatment, Vol. I & II (9 CEUs each)
5. Treatment of Metal Wastestreams (4.5 CEUs)
6. Pretreatment Facility Inspection (9 CEUs)
7. Operation and Maintenance of Wastewater Collection Systems, Vol. I & II (9 CEUs each)

College Courses Earning Full Credit

(1.5 CEUs per semester credit):

1. College Chemistry - up to 12 CEUs.
2. Mathematics area: Algebra, Geometry, Trigonometry, Statistics - up to 12 CEUs. Does not include basic, introductory, or business math courses.
3. Biological Science area: Microbiology, Pathogenic Bacteriology, etc. - up to 9 CEUs.
4. General Physics - up to 9 CEUs.
5. Engineering courses: Fluid Mechanics, Hydraulics, and Engineering courses not directly related.

College Courses Earning Half Credit

(0.7 CEU per semester credit):

1. Technical Writing - up to 3 CEUs.
2. Public or Business Administration - up to 9 CEUs in the areas of Organization, Management, Finance, Supervision, Budgeting, etc.
3. Public Speaking - up to 3 CEUs.

Courses Accepted by WWET for CEUs

1. One-day training seminars, safety conferences, or NWEA, CWEA, or WEF-sponsored conventions will receive one CEU per day attended, up to 3 CEUs, provided that an education program is offered.
2. Other extension courses or training of any type which might relate to the operator's duties will be evaluated on a case-by-case basis. CEUs will be allowed based on the material covered, the depth of the coverage, and the time required to complete the course.

Other Wastewater Certification Programs available through NWEA:

- *Wastewater Treatment Plant Operator*
- *Wastewater Quality Analyst*
- *Industrial Waste Operator*
- *Collection System Operator*
- *Plant Maintenance Technologist*

Nevada Wastewater Certification Programs



Industrial Waste Inspector

Nevada Water Environment Association

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