Washington State Department of Labor & Industries

Application for Accreditation of Engineer to Approve Industrial Utilization Equipment

Mail application & fee to:
Electrical Program
PO Box 44460
Olympia WA 98504-4460

www.Lni.wa.gov/Electrical

For receipt of delivery, send by certified mail

Accreditation will expire three (3) years from date of issue.

☐ New Application Fee — $658.40
☐ Renewal Fee — $329.20

Make checks payable to Department of Labor & Industries [GL 110]

Business name	Phone number (include area code)
Business mailing address	
City	State Zip Code

Name of professional engineer registered under Chapter 18.43 RCW assigned to this business	
Engineer's Professional Code/Endorsement	Engineer's Certification Number

Engineer's Stamp

I have reviewed WAC 296-46B and understand the requirements of accreditation to approve industrial utilization equipment.

I have read and understand the applicable definitions and specific requirements for approval, business structure, practices, record keeping, reporting, suspension and revocation in WAC 296-46B-903 and WAC 296-46B-997, and I have acknowledged this understanding by initialing each paragraph (1) through (7) and (1) through (24) included with this application. I agree to comply with these requirements for engineer approval of industrial utilization equipment.

Application Date
Engineer's Signature

Instructions:

1. You must read and initial each paragraph of WAC 296-46-903 and WAC 296-46B-997 below. Complete and mail this form and fee to address shown above.

2. Assemble the following supporting documentation and send as an email attachment to: ElectricalProgram@Lni.wa.gov.

    - Sample annual report — WAC 296-46B-997(9)
    - Copy of engineer's Evaluation Program Plan — WAC 296-46B-997(17)
    - Copy of engineer's Quality Control System — WAC 296-46B-997(18)
    - Sample of engineer's evaluation report — WAC 296-46B-997(23)

WAC 296-46B-903 General — Read and initial each paragraph below.

(1)	The standard(s) used, as the basis of electrical product certification, field evaluation, or department approval must be determined by the department to provide an adequate level of safety or define an adequate level of safety performance. Except for the reference of construction requirements to ensure the product can be installed in accordance with the National Electrical Code, field evaluations, by an approved laboratory, shall not use the National Electrical Code as standard for product evaluation.	INITIAL
(2)	Generally, standards will be: (a) Developed by a standards developing organization under a method providing for input and consideration of views of industry groups, experts, users, consumers, governmental authorities, and others having broad experience in the electrical products safety field. A standard is used to control the quality and safety of a product; (b) Compatible with and be maintained current with periodic revisions of applicable national codes and installation standards; and (c) Approved by the department. The department will evaluate the proposed standard to determine that it provides an adequate level of safety.	INITIAL
(3)	All ANSI safety designated electrical product standards may be deemed acceptable for their intended use without further qualification.	INITIAL
(4)	If the product safety standard is not ANSI, the standard must be reviewed and approved by the department as an appropriate electrical product safety standard as a part of the field evaluation or department inspection process.	INITIAL

Industrial control panel and industrial utilization equipment inspection

(5)	Specific definitions for this section: (a) "Department evaluation" means a review in accordance with subsection (6)(b) of this section. (b) "Engineering evaluation" means a review in accordance with subsection (6)(c) of this section. (c) "Food processing plants" include buildings or facilities used in a manufacturing process, but do not include: (i) Municipal or other government facilities; (ii) Educational facilities or portions thereof; (iii) Institutional facilities or portions thereof; (iv) Restaurants; (v) Farming, ranching, or dairy farming operations; (vi) Residential uses; or (vii) Other installations not used for direct manufacturing purposes. (d) In RCW 19.28.010, "industrial control panel" means a factory or user wired assembly of industrial control equipment such as motor controllers, switches, relays, power supplies, computers, cathode ray tubes, transducers, and auxiliary devices used in the manufacturing process to control industrial utilization equipment. The panel may include disconnecting means and motor branch circuit protective devices. Industrial control panels include only those used in a manufacturing process in a food processing or industrial plant.	INITIAL

	(e) "Industrial plants" include buildings or facilities used in a manufacturing process or a manufacturing training facility (e.g., educational shop area in an educational or institutional facility), but do not include: (i) Municipal or other government facilities; (ii) Other educational facilities or portions thereof; (iii) Other institutional facilities or portions thereof; (iv) Restaurants; (v) Farming, ranching, or dairy farming operations; (vi) Residential uses; or (vii) Other installations not used for direct manufacturing purposes. (f) "Industrial utilization equipment" means equipment directly used in a manufacturing process in a food processing or industrial plant, in particular the processing, treatment, moving, or packaging of a material. Industrial utilization equipment does not include: Cold storage, warehousing, or similar storage equipment. (g) "Manufacturing process" means to make or process a raw material or part into a finished product for sale using industrial utilization equipment. A manufacturing process does not include the storage of a product for future distribution (e.g., cold storage, warehousing, and similar storage activity). (h) "Normal department inspection" is a part of the department electrical inspection process included with the general wiring inspection of a building, structure, or other electrical installation. Normal department inspection will only be made for equipment solely using listed or field evaluated components and wired to the requirements of the NEC. Fees for the normal department inspections required under this chapter are included in the electrical work permit fee calculated for the installation and are not a separate inspection fee. However, inspection time associated with such equipment is subject to the progress inspection rates in Part (C). (i) For the purposes of this section, "panel" means a single box or enclosure containing the components comprising an industrial control panel. A panel does not include any wiring methods connecting multiple panels or connecting a panel(s) and other electrical equipment.	
(6)	Industrial control panels and industrial utilization equipment will be determined to meet the minimum electrical safety standards for installations by: (a) Listing, or field evaluation of the entire panel or equipment; (b) Normal department inspection for compliance with codes and rules adopted under this chapter; or (c) An engineering evaluation review where an engineer, accredited by the department, shows the equipment to be in compliance with an appropriate industrial equipment standard(s). (i) See WAC 296-46B-997 for the requirements to become an accredited engineer. (ii) The engineer may review equipment upon request by the equipment owner or the equipment manufacturer. (iii) The engineer must notify the department of the intent to evaluate and submit a final approval report, within 10 days after applying the approval label or disapproving the equipment, using forms provided by the department. See WAC Part C for fee information. (iv) The equipment may be reviewed for compliance with the standard(s) before the equipment is located in Washington. (v) Appropriate standards are: (A) NEMA; (B) ANSI; (C) NFPA 79; (D) UL 508A; (E) International Electrotechnical Commission 60204; or (F) Their equivalent.	INITIAL
(7)	The department may authorize, on a case-by-case basis, use of the industrial control panel or equipment, for a period not to exceed six months or as approved by the chief electrical inspector after use is begun, before its final inspection, listing, field evaluation, or engineering evaluation is complete.	INITIAL

WAC 296-46-997 — Read and initial each paragraph below.

(1)	This section describes the methods required to obtain recognition and accreditation of professional engineers registered under chapter 18.43 RCW to approve industrial utilization equipment. This section provides assurance to the general consuming public that electrical products have been tested for safety and identified for their intended use.	INITIAL
(2)	Industrial utilization equipment is considered to be safe when it is certified by an engineer accredited by the department. (a) The department may declare industrial utilization equipment unsafe if: (i) The equipment is not being manufactured or produced in accordance with all standards of design and construction and all terms and conditions set out in the certification report for the equipment referred to in this chapter; (ii) The equipment has been shown by field experience to be unduly hazardous to persons or property; (iii) An examination of the equipment or of the certification report for the equipment shows that the equipment does not comply with all applicable standards; or (iv) An examination of the certification report or the equipment shows that the equipment cannot be installed in accordance with this chapter. (b) When the department declares industrial utilization equipment unsafe, the department will notify the product owner and the certifying engineer in writing.	INITIAL

Accreditation general — Read and initial each paragraph below.

(3)	The department's chief electrical inspector's office reviews requests for accreditation. Applicants must submit supporting data to document and verify the requirements of this section have been met.	INITIAL
(4)	The accreditation of an engineer will be valid for the period of three years.	INITIAL
(5)	On-site inspection of an engineer's facilities. (a) On-site inspection of the facility(ies) may be required during the initial application process or the renewal process. Representative(s) of the department will evaluate for compliance with accreditation criteria. (b) The applicant must pay all costs associated with the on-site inspection.	INITIAL
(6)	For purposes of chapter 19.28 RCW, all engineers who certify industrial utilization equipment offered for sale in the state of Washington must be accredited by the department.	INITIAL
(7)	Fees are payable as required in WAC 296-46B-911.	INITIAL
(8)	The engineer must apply for renewal of accreditation at least thirty days prior to the accreditation expiration date. The department will renew accreditation for the period of three years or notify the renewing engineer of the department's reason(s) of refusal following receipt of the completed form and renewal fee.	INITIAL
(9)	The department accepts or denies engineer accreditation for engineers seeking to evaluate industrial utilization equipment within the state. Accreditation is determined when an engineer provides evidence to the department that all the requirements of this chapter are met. Accreditation is determined by the department and prior to making a determination, the department may require information and documentation to be provided by the engineer. (a) Accreditation is subject to review when deemed necessary by the department. The engineer must pay all costs associated with on-site review. (b) Every accredited engineer must continue to satisfy all the conditions specified in this chapter during the period of the accreditation. An engineer must furnish the department an annual report detailing the extent of its activities for the year. The report must include, but not be limited to: (i) The number of industrial utilization equipment items approved; (ii) Organizational structure of the engineer’s company; (iii) Statement of ownership of the engineer’s company; and (iv) Reports of litigation, which in any way were the result of or may affect any accreditation or testing of products covered by this chapter. (c) The department will notify the applicant of the accreditation results. A letter of accreditation from the department is proof of the accreditation of the engineer.	INITIAL
(10)	The engineer will be approved to certify industrial utilization equipment.	INITIAL

Suspension or revocation — Read and initial each paragraph below.

(11)	The department may suspend, revoke, or refuse to renew the department's accreditation of any engineer found to be in noncompliance with requirements of this chapter, the laws of the state of Washington, or submitting false information.	INITIAL
(12)	The department will serve written notice of intent prior to suspension, revocation, or refusal to renew the accreditation of an engineer.	INITIAL
(13)	An engineer, whose accreditation has been suspended, may not reapply for accreditation during the period of such suspension. An engineer, whose accreditation has been revoked, may reapply for accreditation no sooner than two years after the date of revocation of accreditation.	INITIAL
(14)	The engineer must be an independent, third-party organization with no organizational, managerial, financial, design, or promotional affiliation with owners, manufacturers, suppliers, installers, or vendors of products covered under the engineer's certification or evaluation programs. The engineer must have an adequate diversity of clients or activity so that the loss or award of a specific contract regarding certification or evaluation would not be a deciding factor in the financial well-being of the engineer.	INITIAL
(15)	The engineer must adequately meet the following business practices: (a) Perform the examinations, tests, evaluations, and inspections required under the certifications programs in accordance with the designated standards and procedures; (b) Assure that reported values accurately reflect measured and observed data; (c) Limit work to that for which competence and capacity is available; (d) Treat test data, records, and reports as proprietary information; (e) Respond to and attempt to resolve complaints contesting certifications and evaluation results; (f) Maintain an independent relationship between its clients, affiliates, and other organizations so the laboratory's engineer's capacity to give certifications and evaluations objectively and without bias is not adversely affected; and (g) Notify the department within thirty calendar days should it become unable to conform to any of the requirements of this chapter.	INITIAL
(16)	Engineers accredited under this chapter must notify the department within thirty calendar days of any of the following: (a) Change in company name and/or address; (b) Changes in major test equipment which affect the ability to perform work for which accredited; or (c) Change in independent status.	INITIAL
(17)	The engineer must develop and maintain a certification or evaluation program plan that includes, but is not limited to: (a) The procedures and authority to ensure the product complies with the standard(s) established by the program; (b) A quality control system; (c) Verification and maintenance of facilities and/or equipment; or (d) Sample selection as applicable for product certifications, and for component testing as necessary for evaluations.	INITIAL
(18)	The engineer must develop and maintain a quality control system adequate to assure the accuracy and technical integrity of its work as follows: (a) The engineer's quality control system must include a quality control or engineer's operations control manual; (b) The quality control or engineer's operations control manual must be adequate to guide a testing technician or inspector in conducting the inspection, evaluation, and/or test in accordance with the test methods and procedures required for the engineer's certification and/or evaluation program(s); and (c) The engineer must have a current copy of the quality control or laboratory engineer operations control manual available for the engineer's use.	INITIAL
(19)	The engineer must have training, technical knowledge, and experience adequate to perform the tests, examinations, and evaluations for the certification and/or evaluation activities for which recognition is sought.	INITIAL
(20)	The engineer must: (a) Provide adequate safeguards protecting the engineer's status from the influence or control of manufacturers, vendors, owners, or installers of electrical products certified or tested by the engineer; and	INITIAL

	(b) Develop and maintain an adequate training program assuring that the engineer will be able to perform tasks properly and uniformly.	

Recordkeeping and reporting general — Read and initial each paragraph below.

(21)	The engineer must develop and maintain records and reports of those testing, inspection, certification, and evaluation activities associated with each piece of industrial utilization equipment. The engineer must retain these records for a minimum of three years.	INITIAL
(22)	The engineer must make available to the department, upon request, all records required by the department to verify compliance with this chapter.	INITIAL
(23)	The engineer's evaluation report must include: (a) Name and address of the engineer; (b) Name of client; (c) Address where the evaluated product is or will be installed; (d) Designation of standards used to certify or test the product including edition and latest revision (e.g., UL 508, 16th Edition, Feb. 1993, Revision Oct. 9, 1997); (e) Description of the overall product evaluated to include full nameplate data and equipment type; (f) A statement as to whether or not the results comply with the requirements of the standard; (g) Pertinent test evaluation data and identification of tests or inspections including anomalies; (h) The engineer's stamp; and (i) Any condition of acceptability or restrictions on use/relocation.	INITIAL
(24)	Within ten calendar days after affixing the evaluation mark, the engineer must submit a copy of the evaluation report to: (c) Client submitted in any format acceptable to the client and testing engineer.	INITIAL