

**46-675. Legislative findings and declarations.**

The Legislature finds and declares that a permit system is necessary to protect Nebraska's ground and surface water resources and existing water users in situations where industrial users withdraw significant quantities of ground water from the aquifers of the state and in situations where such ground water is transferred from the water well site for use at another location.

**Source:** Laws 1981, LB 56, § 1; Laws 1993, LB 131, § 33.

**46-683.01. Permit; application to amend; procedures; limitation.**

If during construction or operation a permit holder determines (1) that an additional amount of water is or will be required for the proposed use set forth in a permit issued pursuant to section 46-683 or (2) that there is a need to amend any condition set forth in the permit, the permit holder may file an application to amend the permit. Following a hearing conducted in the manner prescribed by section 46-680, the director shall issue a written order containing specific findings of fact either granting or denying the proposed amendment in accordance with the public interest considerations enumerated in section 46-683. An application to amend a permit shall not be approved if the amendment would increase the daily peak withdrawal or the annual volume by more than twenty-five percent from the amounts approved in the original permit, except for an amendment to increase the maximum daily volumetric flow rate or annual volume to levels authorized under a permit issued by the Department of Environmental Quality pursuant to section 81-1504 and subsection (9) of section 81-1505.

**Source:** Laws 1986, LB 309, § 3; Laws 2012, LB498, § 1.

**81-1505. Council; rules and regulations; standards of air, land, and water quality.**

(1) In order to carry out the purposes of the Environmental Protection Act, the Integrated Solid Waste Management Act, and the Livestock Waste Management Act, the council shall adopt and promulgate rules and regulations which shall set standards of air, water, and land quality to be applicable to the air, waters, and land of this state or portions thereof. Such standards of quality shall be such as to protect the public health and welfare. The council shall classify air, water, and land contaminant sources according to levels and types of discharges, emissions, and other characteristics which relate to air, water, and land pollution and may require reporting for any such class or classes. Such classifications and standards made pursuant to this section may be made for application to the state as a whole or to any designated area of the state and shall be made with special reference to effects on health, economic and social factors, and physical effects on property. Such standards and classifications may be amended as determined necessary by the council.

(2) In adopting the classifications of waters and water quality standards, the primary purpose for such classifications and standards shall be to protect the public health and welfare and the council shall give consideration to:

(a) The size, depth, surface area, or underground area covered, the volume, direction, and rate of flow, stream gradient, and temperature of the water;

(b) The character of the area affected by such classification or standards, its peculiar suitability for particular purposes, conserving the value of the area, and encouraging the most appropriate use of lands within such area for domestic, agricultural, industrial, recreational, and aquatic life purposes;

(c) The uses which have been made, are being made, or are likely to be made, of such waters for agricultural, transportation, domestic, and industrial consumption, for fishing and aquatic culture, for the disposal of sewage, industrial waste, and other wastes, or other uses within this state and, at the discretion of the council, any such uses in another state on interstate waters flowing through or originating in this state;

(d) The extent of present pollution or contamination of such waters which has already occurred or resulted from past discharges therein; and

(e) Procedures pursuant to section 401 of the Clean Water Act, as amended, 33 U.S.C. 1251 et seq., for certification by the department of activities requiring a federal license or permit which may result in a discharge.

(3) In adopting effluent limitations or prohibitions, the council shall give consideration to the type, class, or category of discharges and the quantities, rates, and concentrations of chemical, physical, biological, and other constituents which are discharged from point sources into navigable or other waters of the state, including schedules of compliance, best practicable control technology, and best available control technology.

(4) In adopting standards of performance, the council shall give consideration to the discharge of pollutants which reflect the greatest degree of effluent reduction which the council determines to be achievable through application of the best available demonstrated control

technology, processes, operating methods, or other alternatives, including, when practicable, a standard permitting no discharge of pollutants.

(5) In adopting toxic pollutant standards and limitations, the council shall give consideration to the combinations of pollutants, the toxicity of the pollutant, its persistence, degradability, the usual or potential presence of the affected organisms in any waters, the importance of the affected organisms, and the nature and extent of the effect of the toxic pollutant on such organisms.

(6) In adopting pretreatment standards, the council shall give consideration to the prohibitions or limitations to noncompatible pollutants, prohibitions against the passage through a publicly owned treatment works of pollutants which would cause interference with or obstruction to the operation of publicly owned treatment works, damage to such works, and the prevention of the discharge of pollutants therefrom which are inadequately treated.

(7) In adopting treatment standards, the council shall give consideration to providing for processes to which wastewater shall be subjected in a publicly owned wastewater treatment works in order to make such wastewater suitable for subsequent use.

(8) In adopting regulations pertaining to the disposal of domestic and industrial liquid wastes, the council shall give consideration to the minimum amount of biochemical oxygen demand, suspended solids, or equivalent in the case of industrial wastewaters, which must be removed from the wastewaters and the degree of disinfection necessary to meet water quality standards with respect to construction, installation, change of, alterations in, or additions to any wastewater treatment works or disposal systems, including issuance of permits and proper abandonment, and requirements necessary for proper operation and maintenance thereof.

(9)(a) The council shall adopt and promulgate rules and regulations for controlling mineral exploration holes and mineral production and injection wells. The rules and regulations shall include standards for the construction, operation, and abandonment of such holes and wells. The standards shall protect the public health and welfare and air, land, water, and subsurface resources so as to control, minimize, and eliminate hazards to humans, animals, and the environment. Consideration shall be given to:

(i) Area conditions such as suitability of location, geologic formations, topography, industry, agriculture, population density, wildlife, fish and other aquatic life, sites of archeological and historical importance, mineral, land, and water resources, and the existing economic activities of the area including, but not limited to, agriculture, recreation, tourism, and industry;

(ii) A site-specific evaluation of the geologic and hydrologic suitability of the site and the injection, disposal, and production zones;

(iii) The quality of the existing ground water, the effects of exemption of the aquifer from any existing water quality standards, and requirements for restoration of the aquifer;

(iv) Standards for design and use of production facilities, which shall include, but not be limited to, all wells, pumping equipment, surface structures, and associated land required for operation of injection or production wells; and



(v) Conditions required for closure, abandonment, or restoration of mineral exploration holes, injection and production wells, and production facilities in order to protect the public health and welfare and air, land, water, and subsurface resources.

(b) The council shall establish fees for regulated activities and facilities and for permits for such activities and facilities. The fees shall be sufficient but shall not exceed the amount necessary to pay the department for the direct and indirect costs of evaluating, processing, and monitoring during and after operation of regulated facilities or performance of regulated activities.

(c) With respect to mineral production wells, the council shall adopt and promulgate rules and regulations which require restoration of air, land, water, and subsurface resources and require mineral production well permit applications to include a restoration plan for the air, land, water, and subsurface resources affected. Such rules and regulations may provide for issuance of a research and development permit which authorizes construction and operation of a pilot plant by the permittee for the purpose of demonstrating the permittee's ability to inject and restore in a manner which meets the standards required by this subsection and the rules and regulations.

The rules and regulations adopted and promulgated may also provide for issuance of a commercial permit after a finding by the department that the injection and restoration procedures authorized by the research and development permit have been successful in demonstrating the applicant's ability to inject and restore in a manner which meets the standards required by this subsection and the rules and regulations.

(d) For the purpose of this subsection, unless the context otherwise requires, restoration shall mean the employment, during and after an activity, of procedures reasonably designed to control, minimize, and eliminate hazards to humans, animals, and the environment, to protect the public health and welfare and air, land, water, and subsurface resources, and to return each resource to a quality of use consistent with the uses for which the resource was suitable prior to the activity.

(10) In adopting livestock waste control regulations, the council shall consider the discharge of livestock wastes into the waters of the state or onto land not owned by the livestock operator, conditions under which permits for such operations may be issued, including design, location, and proper management of such facilities, protection of ground water from such operations, and revocation, modification, or suspension of such permits for cause and all requirements of the Livestock Waste Management Act.

(11) In adopting regulations for the issuance of permits under the National Pollutant Discharge Elimination System created by the Clean Water Act, as amended, 33 U.S.C. 1251 et seq., the council shall consider when such permits shall be required and exemptions, application and filing requirements, terms and conditions affecting such permits, notice and public participation, duration and review of such permits, and monitoring, recording, and reporting under the system.

(12) The council shall adopt and promulgate rules and regulations for air pollution control which shall include:

(a) A construction permit program which requires the owner or operator of an air contaminant source to obtain a permit prior to construction. Application fees shall be according to section 81-1505.06;