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IOWA DEPARTMENT
OF ECONOMIC
DEVELOPMENT



IOWA ENVIRONMENTAL GUIDE FOR BUSINESS

INTRODUCTION

Growing Iowa's economy and sustaining vibrant healthy communities depends upon protecting the state's environmental and natural resources. The Iowa Environmental Guide is designed to identify Iowa's environmental compliance requirements and to provide expert resources to assist you with sustainable business solutions that protect the environment and enhance your bottom-line.

The Iowa Department of Economic Development (IDED) Business and Regulatory Assistance Team is a non-regulatory,

confidential point of contact to assist your company or organization in identifying permitting requirements, finding expert resources, communicating with the appropriate agencies, and in establishing a productive partnership with Iowa state government.

Because this guide only briefly outlines environmentally sustainable practices and the requirements for air, water and land quality permitting, we encourage you to contact us early in your planning process by calling our toll-free Regulatory Assistance line at 1-800-351-4668.

AIR QUALITY

About Iowa Air Quality

Iowa is one of 16 states in the nation in full attainment with Environmental Protection Agency (EPA) air quality standards. As a result Iowa offers a more flexible air-permitting program, reducing your cost of doing business, while ensuring Iowa maintains healthy air quality.

The Iowa Department of Natural Resources (IDNR) Air Quality Bureau administers the Clean Air Act in Iowa. In addition, Polk and Linn Counties administer air programs for businesses located in those counties. Below are the primary types of air quality permits.

Construction Permits

A construction permit from the IDNR is required prior to installing, constructing, or operating sources which emit regulated pollutants. IDNR issues a permit for each individual source. Some sources are exempt from construction permitting. This could include a small natural gas heater, non-production welding, and selected units which emit less than one pound of regulated pollutants per hour.

Sources that are not specifically exempted require a construction permit before the equipment is installed. Construction permit applications are also required to include estimates of emissions of some types of greenhouse gases. Most construction permits can be obtained within thirty days. A toll-free phone line (877) AIR-IOWA is available to answer air quality permitting questions.

For some sources, New Source Performance Standards (NSPS), National Emission Standards for Hazardous Air Pollutants (NESHAP) or projected high impacts on the outside air may make the construction permit process more complex. Major sources of air emissions or significant changes made at these facilities are covered under the federal Prevention of Significant Deterioration (PSD) air construction permit program. PSD permitting requires more time than standard construction permitting. The Public Health Department is the lead agency for issuing PSD permits for facilities located in Linn County with IDNR also reviewing and approving the permits.

Operating Permits

Operating permits are intended to ensure ongoing compliance with air quality standards. IDNR does not require operating permits for individual emission sources. Polk and Linn counties, however, do require operating permits for individual sources.

Title V Operating Permits

Title V Operating Permits are required for facilities with the potential to annually emit more than 100 tons of any regulated pollutant, or ten tons of any individual Hazardous Air Pollutant (HAP), or 25 tons of any combination HAPs. Operating permit options within the Title V program include:

- 1. Small Source Operating Permits.** For Title V sources which, through permit limits, will annually keep emissions under 50 tons for all regulated air pollutants; five tons for each individual HAP; and 12.5 tons for any combination HAPs. Record keeping is required. Permit reporting is not required and no Title V fees are paid.
- 2. Voluntary Operating Permits** (also known as “synthetic minor”). For Title V sources, which, through permit limits, will annually keep emissions to less than 100 tons for all regulated air pollutants; ten tons for each individual HAP; and 25 tons for any combinations HAPs. Actual emissions of these pollutants must not exceed these thresholds. Limited reporting to the IDNR is required and no Title V fees are required.
- 3. Title V Operating Permits.** Covers each emission source at a facility and require annual reporting, record keeping and monitoring. Tonnage fees are paid to IDNR each year for actual emissions is required.

The Title V operating permit application must be submitted to the Air Quality Bureau, Operating Permits Section, within one year after the start of operation at a new facility. A new facility can operate under a permit shield until the Title V permit is issued as long as a complete permit application is submitted on time. A Title V permit is valid for five years.

Permit Contact Information

Iowa Department of Natural Resources
Air Permits
7900 Hickman Road, Suite 1
Urbandale, Iowa 50322
(515) 242-5100 or (877) AIR-IOWA
www.iowadnr.com/air

Linn County Public Health Department
501 13th Street NW
Cedar Rapids, Iowa 52405
(319) 892-6000
www.air.linn.ia.us

Polk County Air Quality
1595 NE 58th Street
Des Moines, Iowa 50313
(515) 286-3351
www.airquality.co.polk.ia.us

Small Business Environmental Liaison

Confidential, non-regulatory compliance assistance for small business is available from Iowa Department of Economic Development’s (IDED) Small Business Environmental Liaison. The Liaison works to ensure that small businesses receive assistance through education and outreach to understand and comply with applicable regulations and serves as an ombudsman providing objective information to small business and the IDNR.

Small Business Environmental Assistance Contact Information

Iowa Department of Economic Development
Small Business Environmental Liaison
200 E. Grand Ave.
Des Moines, IA 50309
(800) 351-4668 or (515) 242-4761
http://www.iowalifechanging.com/business/environmental_assistance.html

Iowa Air Emissions Assistance Program

Confidential, non-regulatory technical assistance is available to small businesses from the Iowa Air Emissions Assistance Program (IAEAP) located at Iowa Waste Reduction Center, University of Northern Iowa. The IAEAP can complete air construction permit applications, conduct emission inventories and provide on-site assessments for small business.

Iowa Air Emissions Assistance Contact Information

Iowa Air Emissions Assistance Program
Suite 113, Business and Community Services Building
Cedar Falls, IA 50614-0185
(800) 422-3109 or (319) 273-8905
<http://www.iwrc.org/IAEAP>

WATER QUALITY

ABOUT IOWA WATER QUALITY

Communities must have plentiful resources for drinking water, industrial and commercial use, and wastewater capacity in order to retain and attract businesses. Water resources also provide important recreational and tourism

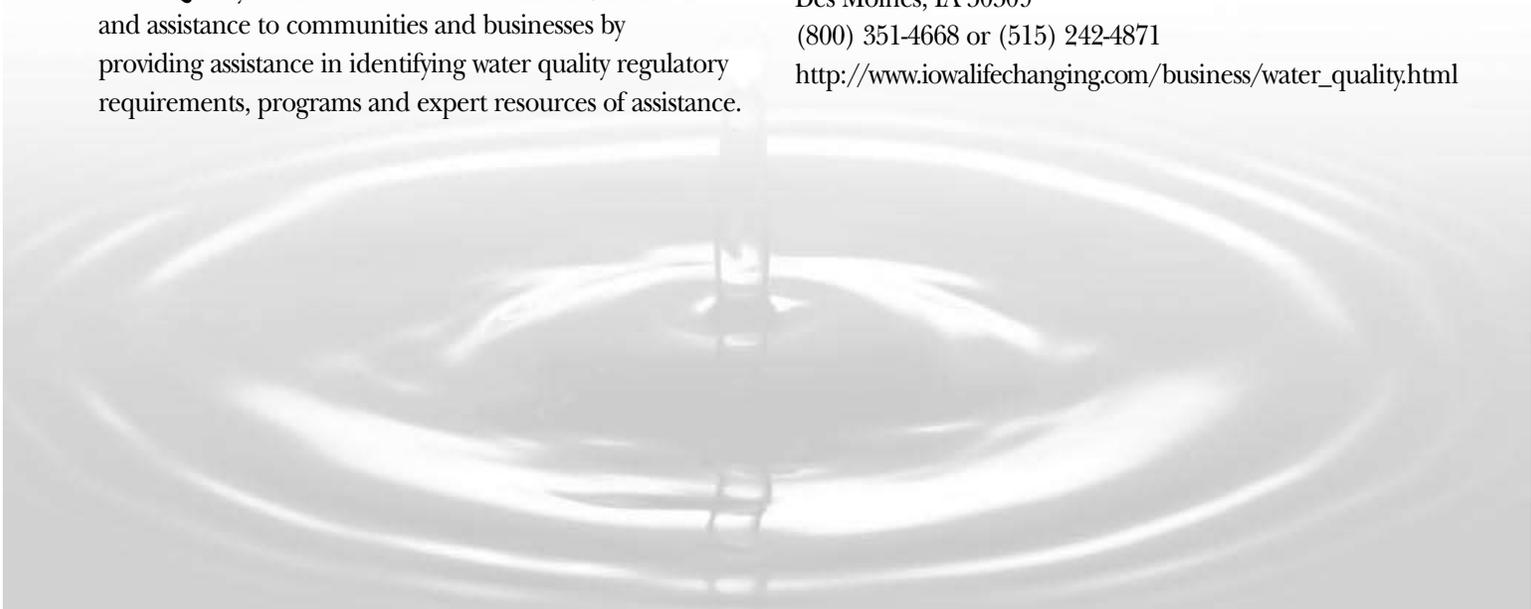
opportunities, in addition to quality aquatic habitat. The Iowa Department of Natural Resources administers the Clean Water Act. Local units of government in Iowa also play key roles in maintaining water quality.

Water Quality Advocate

Confidential, non-regulatory compliance assistance is available from the Water Quality Advocate at the Iowa Department of Economic Development (IDED). The Water Quality Advocate coordinates outreach, information and assistance to communities and businesses by providing assistance in identifying water quality regulatory requirements, programs and expert resources of assistance.

Water Quality Advocate Contact Information

Iowa Department of Economic Development Water Quality Advocate
200 E. Grand Ave.
Des Moines, IA 50309
(800) 351-4668 or (515) 242-4871
http://www.iowalifechanging.com/business/water_quality.html



Wastewater Permits

If your facility will discharge wastewater to an existing wastewater treatment system, check with the system's owner or operator to determine if anticipated wastewater volumes and pollutants can be effectively treated. This is important for businesses or industries that will employ a large number of people or discharge wastewater from industrial processes. Modifications or expansions to the existing wastewater system may be needed to handle the additional waste. For some industries, a treatment agreement or permit with the local wastewater authority will be needed.

If planning to construct a wastewater treatment facility that discharges to surface water, both a wastewater construction permit and a National Pollutant Discharge Elimination System (NPDES) permit are needed. The application for a construction permit should be submitted at least four months prior to the start of construction.

The application for a NPDES discharge permit must be submitted a minimum of six months prior to the commencement of discharge from the facility. Discharge permits will establish limits on the amounts and

concentrations of pollutants that can be discharged and require periodic monitoring to demonstrate compliance with permit limits. Early coordination with the IDNR helps prevent delays in obtaining permits.

Wastewater Permit Contact Information

Iowa Department of Natural Resources
Wastewater Construction Permits

502 E. 9th Street

Des Moines, IA 50319

(515) 281-8877

<http://www.iowadnr.com/water/wastewater/cpprogram.html>

Iowa Department of Natural Resources
NPDES Permits

502 E. 9th Street

Des Moines, IA 50319

(515) 281-4736

<http://www.iowadnr.com/water/npdes/about.html>

Storm Water Permits

Activities covered by storm water permits include construction activity disturbing one or more acres and several types of industrial or commercial activity. Construction cannot begin until the applicant receives confirmation that IDNR has authorized the permit. The application must include proof of public notice and permit fee. The most common storm water construction permits for business are described below.

GENERAL PERMIT NO. 1

Obtain a General Permit No.1 if any construction or industrial materials stored outside, or outside activities, may come into contact with storm water. If materials and activities are protected by a storm resistant shelter and you think you may qualify for a "no-exposure exemption," complete and return a "No Exposure Certification Form to the IDNR.

GENERAL PERMIT NO. 2

For construction activity disturbing one or more residential, commercial or industrial acres General Permit

No. 2 must be obtained before any soil is disturbed at the site. Additionally, a storm water pollution prevention plan must be kept onsite and available for inspection. The permit must be maintained until all construction and building is complete and the ground stabilized.

GENERAL PERMIT NO. 3

Facilities such as asphalt plants, concrete batch plants, quarries, sand and gravel pits and rock crushers' storm water permits are covered under General Permit No. 3.

Storm Water Permit Contact Information

Iowa Department of Natural Resources
Storm Water Permits

502 E. 9th Street

Des Moines, IA 50319

(515) 281-7017

<http://www.iowadnr.com/water/stormwater/who.html>

WATER SUPPLY

If your company will use water from an existing water supply system such as a municipal water supply or rural water supply, permits from the IDNR may not be needed. Check with the system operator to determine if a sufficient quantity of water can be provided. This is important for industries

that may need large quantities of water for manufacturing or processing. If your company will provide water for human consumption or for manufacturing or processing operations, several water supply related permits may be required.

Water Allocation/Use Permit

Iowa statute provides for a water allocation system based on “beneficial use.” All waters in Iowa (including surface and groundwater) are considered “public waters” and the “public wealth” of Iowa citizens. Water use permits are issued by IDNR to convey the “right” to use the water if the use is shown to be “beneficial.”

A water use permit is required of any individual or entity withdrawing 25,000 gallons or more water in a 24-hour period during any calendar year, regardless of public water supply status. The application and permit fee should be submitted at least four months before withdrawing water.

The water allocation permit is valid for ten years and establishes the amount of water allowed to be withdrawn and the rate at which it can be taken. A water use report form must also be submitted annually to IDNR.

Water Supply Contact Information

Iowa Department of Natural Resources
Water Use Permits
502 E. 9th Street
Des Moines, IA 50319
(515) 725-0336
<http://www.iowadnr.com/water/wse/allocation.html>

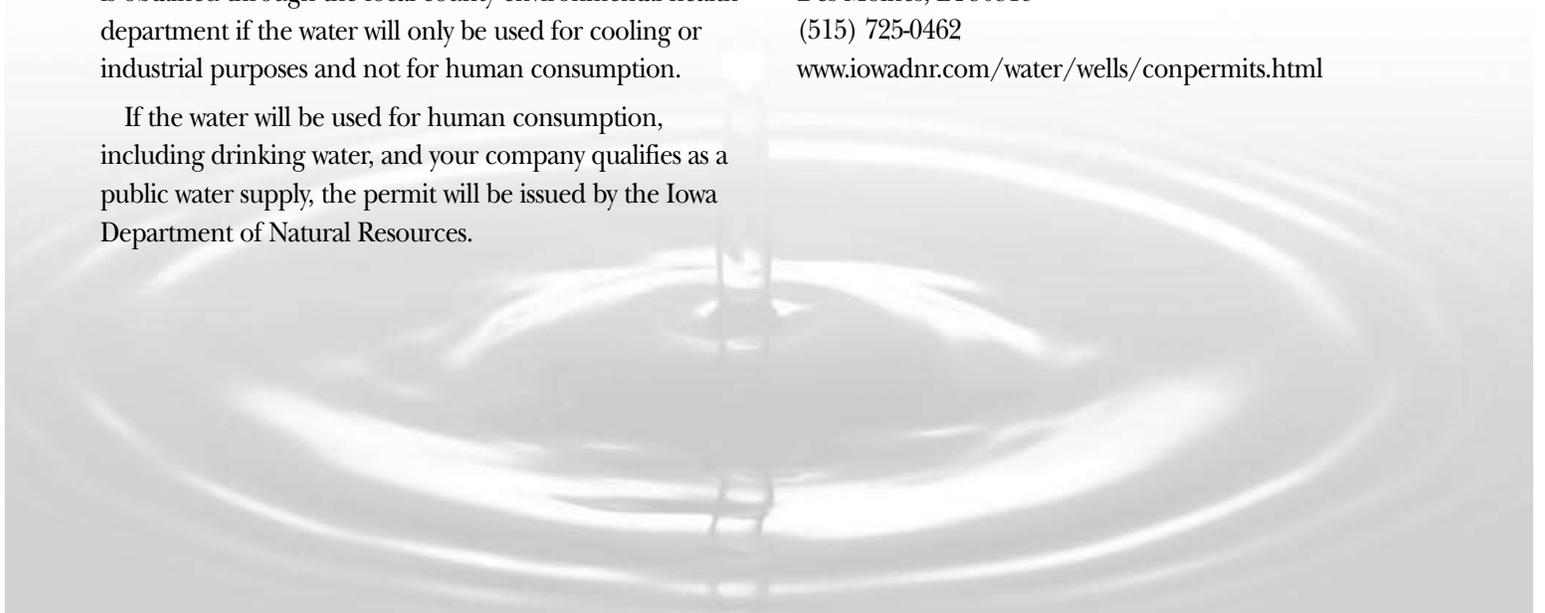
Well Construction Permit

A property owner who plans to construct a new well or modify an existing well must obtain approval of the location, design and a well construction permit prior to construction. In certain circumstances, a site inspection may be required to verify that the well location avoids sources of contamination. In most situations the construction permit is obtained through the local county environmental health department if the water will only be used for cooling or industrial purposes and not for human consumption.

If the water will be used for human consumption, including drinking water, and your company qualifies as a public water supply, the permit will be issued by the Iowa Department of Natural Resources.

Well Construction Permit Contact Information

Iowa Department of Natural Resources
Well Construction Permit
502 E. 9th Street
Des Moines, IA 50319
(515) 725-0462
www.iowadnr.com/water/wells/conpermits.html



Drinking Water Construction Permit

A public water supply construction permit must be obtained from the Iowa Department of Natural Resources (IDNR) before constructing or modifying any source, treatment and storage or distribution system of a public water supply. A source is considered to meet the requirements of a “public water supply” if it provides water for 25 or more people per day for at least 60 days of the year, or if it has at least 15 service connections.

Operation Permit

In addition to the construction permit, an operation permit is also required for operating a public water supply. Operation permits are issued to public water supply systems to ensure that routine testing and reporting is completed.

Water and Waste Water Certified Operators

Iowa Department of Natural Resources (IDNR) certifies “drinking water” and “wastewater operators” to ensure that they have sufficient knowledge and experience to properly operate the system, and in turn protect human health environment. Public water supplies classified as “non-transient, non-community public water supplies” (such as a school, factory restaurant, resort, or church served by its own supply of water, usually a well) require a certified operator. Certification requires passing a written examination and meeting minimum educational and on-the-job experience requirements. Operators must meet continuing education requirements and renew certification every two years.

Drinking Water Construction Permit Contact Information

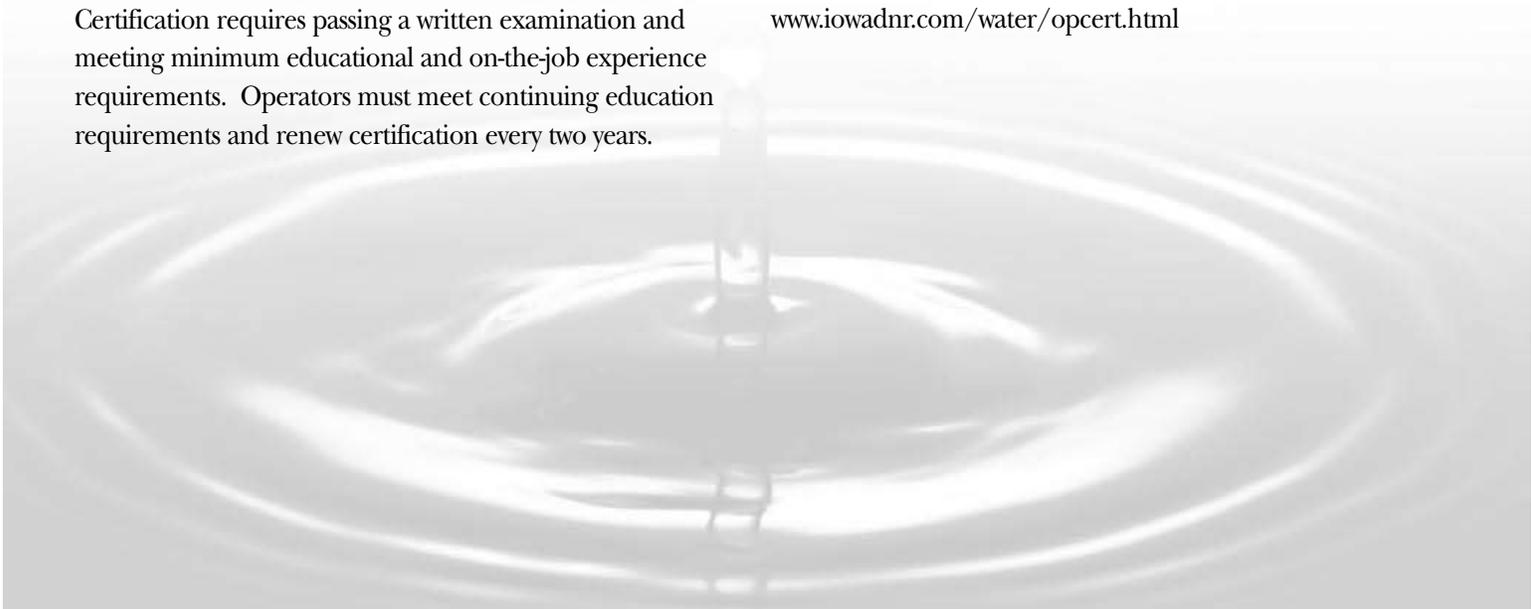
Iowa Department of Natural Resources
Drinking Water Construction Permit
401 SW 7th St, Suite M
Des Moines, IA 50309-4611
(515) 725-0275
www.iowadnr.com/water/drinking/index.html

Operation Permit Contact Information

Iowa Department of Natural Resources
Drinking Water Operation Permit
401 SW 7th St, Suite M
Des Moines, IA 50309-4611
(515) 725-0401
www.iowadnr.com/water/drinking/index.html

Water and Waste Water Certified Operators Contact Information

Iowa Department of Natural Resources
Certified Operators (OpCert) Program
401 SW 7th St, Suite M
Des Moines, IA 50309-4611
(515) 725-0284
www.iowadnr.com/water/opcert.html



Floodplain Construction Permit

The Iowa Department of Natural Resources (IDNR) regulates construction on all floodplains and floodways in Iowa. Before constructing or maintaining any type of structure in any flood plain or floodway, contact the IDNR to identify if approval is required from IDNR or a local government authorized to act for the IDNR.

Examples of activities that may require a floodplain permit include construction, excavation, filling, establishing dams or docks and making channel changes. If any or all of your business operations or activities will occur within the “100-year flood plain” then a floodplain construction

permit from IDNR is needed. Use the “Joint IDNR – U.S. Army Corps of Engineers (USACE) Application Form” (form 36) to submit the required information.

Iowa Department of Natural Resources Flood Plain Construction Permits

Des Moines, IA 50319

502 E. 9th Street

(515) 281-8942

www.iowadnr.com/water/floodplain/index.html

U.S. Army Corps of Engineers (USACE) “Section 404 Nationwide” Construction Permit

USACE regulates construction taking place in, around, or on “navigable waterways.” The definition of “navigable water ways” infers broad jurisdiction of the USACE over water bodies which have been used, are currently used, or might be used sometime in the future for interstate or foreign commerce. As a result, water bodies that have the potential to require USACE permits if construction will take

place, could include a wetland, river, stream, creek, run, canal, channel, ditch, lake, reservoir, or embankment. In most cases, the USACE issues a “Section 404 Nationwide” Construction Permit within two to four weeks that authorizes construction activities. Use the “Joint IDNR – USACE Application Form” (form 36) to submit the required information.

U.S. Army Corps of Engineers (USACE) “Section 404 Individual” Construction Permit

For a more involved or complex project, the USACE may issue a “Section 404 Individual” Permit. As part of this process the IDNR must certify that the proposed projects will not negatively affect Iowa’s water quality standards and will issue an IDNR Section 401 Certification. When the USACE issues a Section 404 Nationwide permit, the Section 401 Certification is automatically issued. If the USACE issues a “Section 404 Individual” Permit, the IDNR will approve the Section 401 Permit on a project specific basis. (Again, use Application Form 36).

U.S. Army Corps of Engineers (USACE) Contact Information

U.S. Army Corps of Engineers Rock Island District

Clock Tower Building

P.O. Box 2004

Rock Island, Illinois 61204-2004

(309) 794-5373

www.mvr.usace.army.mil

Wetlands

Iowa does not have a wetlands construction permit program but follows USACE guidelines. The determination of whether a wetland requires a USACE construction permit is determined on a site specific basis. As such, contact the USACE in advance if anticipating building in, around, or on a wetland.

U.S. Army Corps of Engineers Omaha District

106 S. 15th Street

P.O. Box 5

Omaha, Nebraska 68102

(402) 221-7715

<https://www.nwo.usace.army.mil/>

CONSERVATION AND RECREATION

ABOUT IOWA CONSERVATION AND RECREATION

The Iowa Department of Natural Resources (IDNR) Conservation and Recreation Division oversees a number of areas protecting and enhancing Iowa's natural resources. The division is responsible for state fisheries, forests, parks

and preserves, wildlife, and law enforcement. Identify if your project may impact state-owned lands or water or threatened or endangered species.

Sovereign Land Construction Permit

Constructing facilities on, above or under lands or water that are state-owned requires a sovereign land construction permit from the Iowa Department of Natural Resources (IDNR) before beginning construction.

State-owned lands and waters under IDNR jurisdiction include "fee-title lands," meandered streams and most

natural lakes. Meandered streams include the "border rivers" (Big Sioux, Mississippi, and Missouri) as well as portions of the Cedar, Des Moines, East Fork Des Moines, West Fork Des Moines, Iowa, Little Maquoketa, Maquoketa, Nishnabotna, Raccoon, Skunk, Turkey, Upper Iowa and the Wapsipinicon.

Environmental Review for Natural Resources

Upon request, IDNR can provide a "Natural Resource Review" which is a record of review for protected species (including state and/or federally listed endangered or threatened species), rare natural communities, state lands and waters in the project area. The review is completed by IDNR staff from program areas including parks, preserves, recreation, fisheries and wildlife personnel. The "Natural Resource Review" is not a required permit but can provide valuable planning information.

Conservation and Recreation Contact Information

Iowa Department of Natural Resources
Natural Resource Review Request
Wallace Building
502 E. 9th Street
Des Moines, IA 50319
(515) 281-8967
<http://www.iowadnr.com/other/reviews.html>

Iowa Department of Natural Resources
Sovereign Land Construction Permit
Wallace Building
502 E. 9th Street
Des Moines, IA 50319
(515) 281-6341
<http://www.iowadnr.com/other/islands.html>



LAND QUALITY

ABOUT IOWA LAND QUALITY

Iowa generates approximately 2.6 million tons of solid waste per year. Properly managing and seeking to reduce these waste streams is important to protecting Iowa's natural

resources. The Iowa Department of Natural Resources (IDNR) oversees the permitting of solid waste facilities and related activities.

Solid Waste Disposal Permits

Operating a sanitary disposal project (landfill, transfer station, or processing facility) that facilitates the final disposal of solid waste requires working closely with the IDNR. Building a new landfill requires extensive community involvement. Facilities transferring, storing and disposing of industrial waste (excluding hazardous wastes) are also permitted by the IDNR.

If your company disposes of an industrial process waste in a landfill, you may need a Special Waste Authorization (SWA). Contact IDNR to determine if landfill disposal is allowed for the waste and submit a request for a SWA at least one month before disposing of the special waste. Identify where the waste will be disposed, as the landfill has the right to refuse the waste. There is no permitting fee for the SWA but the landfill may charge a fee to accept the special waste.

Solid Waste Disposal Permits Contact Information

Iowa Department of Natural Resources
Solid Waste Disposal Permits
Wallace Building
502 E. 9th Street
Des Moines, IA 50319
(515) 281-6807
<http://www.iowadnr.com/waste/sw/index.html>

Land Recycling Program (LRP)

The Land Recycling Program is a voluntary cleanup program for land owners desiring to clean up a property impacted by non-petroleum contamination. Risk-based criterion based upon the planned future use of the property determines cleanup requirements. After cleanup is completed the Iowa Department of Natural Resources (IDNR) will issue a binding "No Further Action Certificate" which indicates that the state is satisfied with the clean-up and will not pursue any future action against the site. This certificate can be recorded with the property deed.

Enrolling in the LRP requires submitting an application and a \$750 fee. The property owner also agrees to reimburse the IDNR for assessment and clean-up to a maximum cost of \$7,500. If groundwater contamination is present at the site,

compliance demonstration will require a minimum of two years groundwater monitoring post cleanup. If contaminated soil is the only issue of concern, then investigation and cleanup under the LRP can be completed in a matter of months.

Land Recycling Program Contact Information

Iowa Department of Natural Resources
Land Recycling Program
Wallace Building
502 E. 9th Street
Des Moines, IA 50319
(515) 242-5241
<http://www.iowadnr.com/land/consites/lrp/conLRP.html>

Contaminated Site Cleanup

Another option for a site with non-petroleum contamination does not require an application fee or reimbursement to IDNR for oversight. Accordingly, investigation and demonstration compliance requirements under this approach are not as stringent as LRP requirements. A “Completion Letter” from IDNR is issued. The letter may not be recorded with the property deed and the potential exists for the IDNR to require additional cleanup measures (if applicable regulations become more stringent in the future).

Underground Storage Tanks (UST)

Iowa Department of Natural Resources regulates the installation of new underground storage. Regulations specify certification requirements for tank installers, acceptable methods of corrosion protection, owner financial responsibilities and mechanisms for spill prevention and release detection. Installation of a new tank must be completed by a certified installer. Within one month after the installation of a new tank, a notification form must be submitted to IDNR certifying regulatory requirements have been met.

If you buy property with contamination from a Leaking Petroleum Underground Storage Tank (LUST), you may be eligible for reimbursement of the costs from the Iowa UST Fund. Iowa uses Risk-Based Corrective Action (RBCA) rules that allow site-specific cleanup criteria based on the potential health risks created by contamination at the site.

Contaminated Site Cleanup Contact Information

Iowa Department of Natural Resources
Contaminated Sites Program
Wallace Building
502 E. 9th Street
Des Moines, IA 50319
(515) 281-7040
<http://www.iowadnr.com/land/consites/index.html>

A RBCA analysis on a LUST site must be performed using specific software and guidelines established by IDNR. An Iowa Certified Groundwater Professional is required to perform this work.

Underground Storage Tanks Contact Information

Iowa Department of Natural Resources
Underground Storage Tanks Program
Wallace Building
502 E. 9th Street
Des Moines, IA 50319
(515) 281-8011
<http://www.iowadnr.com/land/ust/index.html>



Flammable and Combustible Liquids

Transportation, storage, handling and use of flammable or combustible liquids such as gasoline, diesel fuel, fuel or alcohol (ethanol or methanol) are regulated by the Iowa Department of Public Safety (IDPS) Fire Marshal Division. Requirements include minimum specifications for storage tanks, piping, and dispensers, containment requirements to prevent spills and leaks and to mitigate their effects when they occur, and minimum separation distances between tanks and between tanks and dispensers and nearby structures, including residences.

Construction plans must be submitted to the State Fire Marshal for any facility producing, storing, or dispensing flammable liquids, including refineries, bulk storage facilities, and motor fuel dispensing operations. Approval of plans is required prior to construction of a facility or installation of additional tanks or dispensers to an existing facility.

Any AST which is used to store a petroleum product and has a capacity equal or greater than 1,101 gallons must be registered with the State Fire Marshal.

Installation plans must also be submitted for stationary installations of liquid propane containers if any individual tank has a capacity of over 2,000 gallons, or the installation has an aggregate capacity for propane storage in excess of 4,000 gallons.

Flammable and Combustible Liquids Contact Information

Iowa Department of Public Safety
Flammable Liquids Section
Iowa Department of Public Safety Building
215 East 7th Street
Des Moines, IA 50319
(515) 725-6145
<http://www.dps.state.ia.us/fm/flammable/index.shtml>

Storage of Non-Water Soluble Materials

Storing oils that are not water soluble (such as animal and vegetable oils, fuels, solvents and similar materials) at a facility requires a Spill Prevention, Control and Countermeasure (SPCC) Plan. The SPCC Plan must be kept onsite at the facility and available for review by the Environmental Protection Agency (EPA). An SPCC is required for aggregate storage of an AST of 1,320 gallons or more or for underground tank storage of 42,000 gallons or more.

Storage of Non-Water Soluble Materials Contact Information

Emergency Response & Homeland Security Unit
401 SW 7th Street, Suite I
Des Moines, IA 50309
(515) 725-0384
<http://www.iowadnr.com/spills/info.html>



Hazardous Waste / Resource Conservation and Recovery Act (RCRA) Permits

The Resource Conservation and Recovery Act (RCRA) program in Iowa is administered by the Environmental Protection Agency (EPA) Region 7. RCRA regulates facilities that generate, transport, treat, store or dispose of hazardous waste. Generators and transporters of hazardous waste require EPA identification numbers and must comply with regulations for handling of hazardous waste.

Treatment, storage, and disposal facilities must meet even more stringent requirements and have a RCRA permit to operate. If the facility will be considered a hazardous waste treatment, storage, or disposal facility, submit a RCRA application to EPA at least six months in advance of beginning construction at the facility.

Energy Conservation in Construction

Implementing energy efficiency results in energy savings and decreases the environmental impact of construction. The State Energy Code establishes minimum requirements for energy conservation in new construction in Iowa. The Iowa Department of Public Safety Building, Code Bureau administers the State Energy Code for construction projects subject to the State Building Code and for local building departments in jurisdictions that have adopted local building codes.

Certain construction projects also require preparing a life cycle cost analysis to identify optimum energy efficiency features to be included in the construction or an energy review by a registered architect or licensed professional engineer to assure energy code compliance. Non-regulatory

Hazardous Waste / Resource Conservation and Recovery Act Contact Information

Environmental Protection Agency, Region 7
901 North 5th Street
Kansas City, Kansas
1-800-223-0425 or (913) 551-7003
<http://www.epa.gov/Region7/waste/index.htm>

assistance with energy code compliance can be obtained from the Iowa Department of Natural Resources' Energy Section.

Energy Conservation in Construction Contact Information

Iowa Department of Public Safety
Building Code Bureau
215 East 7th Street
Des Moines, Iowa 50319
515/725-6145
<http://www.dps.state.ia.us/fm/building/index.shtml>



BUSINESS ASSISTANCE RESOURCES

Iowa Business and Regulatory Assistance Network

The Iowa Business and Regulatory Assistance Network can ensure access and responsiveness by Iowa state government to requests for assistance from citizens, local units of government, small business and industry. Guided by the Iowa Department of Economic Development, Business Assistance Coordinators are designated in agencies across state government to work as a cohesive network to coordinate communication and service.

For confidential, non-regulatory assistance you may contact the Iowa Department of Economic Development (IDED). You may also contact the Business Coordinator at the specific agency of interest directly.

Iowa Business and Regulatory Assistance Network Contact Information

Iowa Department of Economic Development
Regulatory Assistance Coordinator
200 E. Grand Ave.
Des Moines, IA 50309
1-800-532-1216 or (515) 242-4755
<http://regassist.iowa.gov/>

Iowa Department of Natural Resources (IDNR) Business Assistance Coordinator

Business assistance coordination is available from the IDNR to assist you with identifying environmental compliance requirements and connecting you with resources to implement source reduction, recycling, and other sustainable business practices.

IDNR Business Assistance Coordinator Contact Information

Iowa Department of Natural Resources
Business Assistance Coordinator
Wallace Building
502 E. 9th Street
Des Moines, IA 50319
(515) 281-7276
<http://www.iowadnr.gov/other/bizreg.html>

Business License Information Center

The Business License Information Center is a convenient Web site providing information on licensing, certification, registration, or permits which may be required for operating a new or expanding business in Iowa, or if the occupation to be practiced is professionally licensed.

Business License Information Center Contact Information

Iowa Department of Economic Development
Business License Information Center
200 E. Grand Ave.
Des Moines, IA 50309
1-800-532-1216 or (515) 242-4755
<http://www.iowalifechanging.com/business/blic.html>

Pollution Prevention Services

Confidential, non-regulatory compliance assistance available from the Pollution Prevention Services program can help you eliminate or reduce waste at the source, decreasing your compliance burden and reducing costs. The Pollution Prevention Services team can assist with improvement plans, Environmental Management Systems (EMS) and cost-benefit analyses.

The Pollution Prevention Intern Program can provide additional expert resources with analyzing and making recommendations on options for more effective management of environmental resources.

Pollution Prevention Services Contact Information

Iowa Department of Natural Resources
Pollution Prevention Services
Wallace Building
502 E. 9th Street
Des Moines, Iowa 50309
(515) 281-5353 or (515) 281-8499
<http://www.iowadnr.com/waste/p2/about.html>

Iowa Waste Reduction Center (IWRC)

Confidential, non-regulatory assistance available from the IWRC can complete an on-site review of a business's operations and identify pollution prevention opportunities. Assistance for small businesses subject to federal water quality categorical pre-treatment standards is available. Help may also be obtained with developing pretreatment agreements, monitoring reports, and preparing stormwater permits.

Iowa Waste Reduction Center Contact Information

Iowa Waste Reduction Center
Business and Community Services Building, Suite 113
Cedar Falls, IA 50614-0185
(800) 422-3109 or (319) 273-8905
www.iwrc.org

Iowa Waste Exchange

Confidential, non-regulatory assistance matching organizations that produce byproducts and waste with other groups interested in using or recycling those materials. The program helps businesses, schools, hospitals and communities save disposal money and protect the environment by reducing, reusing and recycling materials.

Iowa Waste Exchange Contact Information

Iowa Department of Natural Resources
Iowa Waste Exchange
Wallace Building
502 E. 9th Street
Des Moines, Iowa 50309
(515) 281-4876
<http://www.iowadnr.com/waste/iwe/hotlist.html>



Brownfield Redevelopment Targeted Assessments

A brownfield is an abandoned, idled, or underutilized property where expansion or redevelopment is complicated by real or perceived environmental contamination. Resources are available to assist communities with assessing and safely cleaning up brownfield sites. A targeted brownfield assessment can determine if environmental contamination exists at a site and identify the best plan for reuse.

Brownfield Redevelopment Targeted Assessments Contact Information

Iowa Department of Natural Resources
Brownfield Redevelopment Program
Wallace Building
502 E. 9th Street
Des Moines, Iowa 50309
(515) 281-8489
<http://www.iowadnr.com/land/consites/brownfields/index.html>

Brownfield Financial Assistance

The Iowa Department of Economic Development (IDED) provides an annual competitive funding round to support the redevelopment of eligible Brownfield projects. Support up to 25 percent of qualified project costs for acquisition or remediation may be available. Funding is limited so check in advance concerning availability.

Brownfield Financial Assistance Contact Information

Iowa Department of Economic Development
Brownfield Financial Assistance
1-800-351-4668 or (515) 242-4906
200 E. Grand Ave.
Des Moines, IA 50309
<http://www.iowalifechanging.com/business/brownfields.html>

Solid Waste Alternatives Financial Assistance Programs

The Solid Waste Alternatives Program (SWAP) seeks to reduce the amount of solid waste generated and deposited in Iowa landfills. Financial assistance is available through a competitive, quarterly process for a variety of projects including source reduction, recycling and education. A fifty percent cost share is required through cash and in-kind match.

Solid Waste Alternatives Financial Assistance Programs Contact Information

Iowa Department of Natural Resources
Solid Waste Alternatives Program
Wallace Building
502 E. 9th Street
Des Moines, Iowa 50309
(515) 281-8623
<http://www.iowadnr.com/waste/financial/financialswap.html>



Sustainable Building Design

Sustainable design principles are increasingly being used in building construction to decrease operational and maintenance costs and to minimize a building's impact on the environment. Resources are available to building owners, architects, engineers, or others desiring to implement sustainable design principles. An informational Web site, the Iowa Sustainable Design Guide and sustainable design building rating systems are available. You may also consult the Iowa Department of Public Safety Building Code Bureau for guidance on incorporating life, health and safety building codes.

Water Quality Improvement Financial Assistance Programs

Several financial assistance programs may be available to assist with implementing a water quality improvement project. For help in identifying possible resources, contact the Water Quality Advocate at the Iowa Department of Economic Development.

Iowa Geology and Hydrology

Technical assistance and extensive databases for geology, wells, and water quality is available from Iowa Geological Survey. Assistance such as geohydrologic consultation for water supply development, mineral extraction and a wide range of assessment for watershed enhancement activities is available.

Sustainable Building Design Contact Information

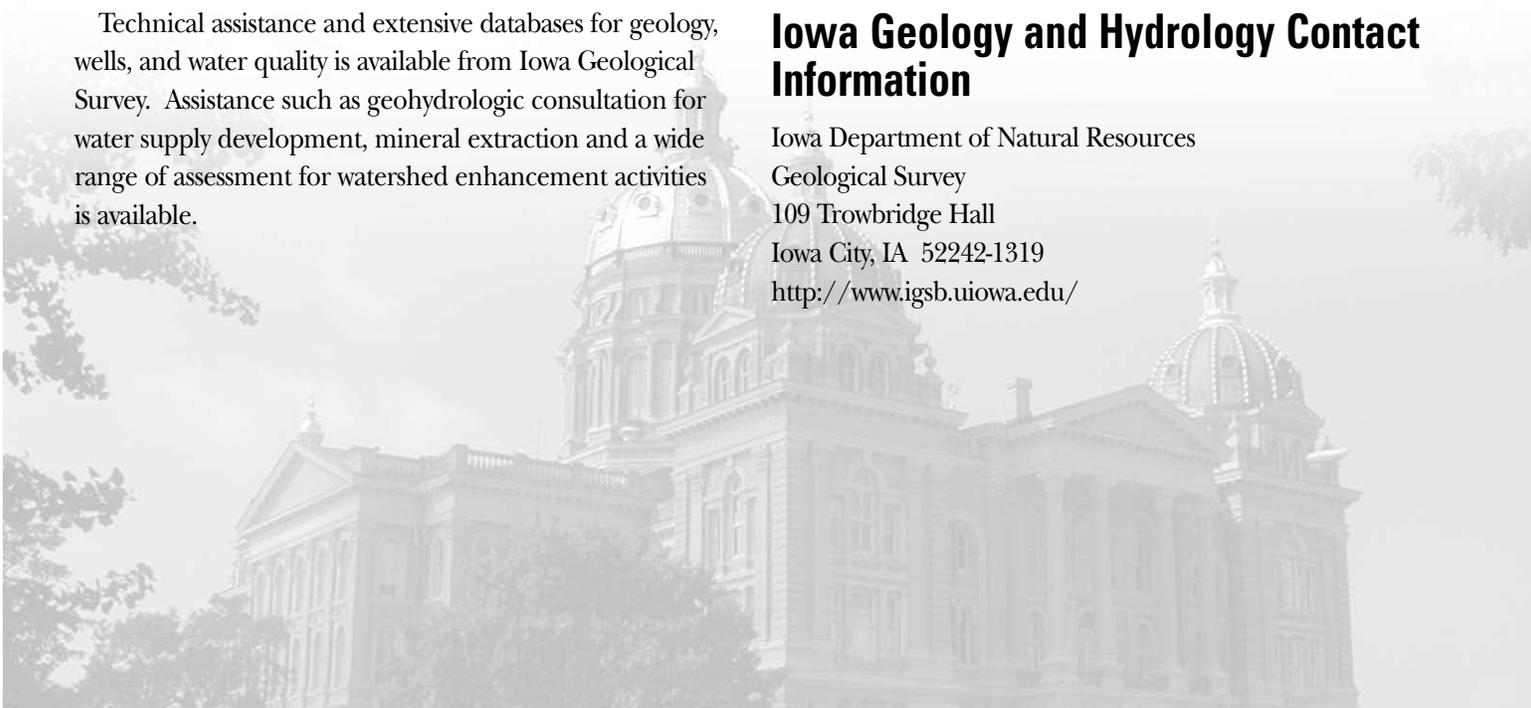
Iowa Department of Natural Resources
Sustainable Design
Wallace Building
502 E. 9th Street
Des Moines, Iowa 50309
(515)281-8927
www.iowadnr.com/energy/sustainable/index.html

Water Quality Improvement Financial Assistance Programs Contact Information

Iowa Department of Economic Development
Water Quality Advocate
200 E. Grand Ave.
Des Moines, IA 50309
1-800-351-4668 or (515) 242-4871
http://www.iowalifechanging.com/business/water_quality.html

Iowa Geology and Hydrology Contact Information

Iowa Department of Natural Resources
Geological Survey
109 Trowbridge Hall
Iowa City, IA 52242-1319
<http://www.igsb.uiowa.edu/>



Renewable Energy Resources

Iowa's renewable energy resources include ethanol, biodiesel, hydro power, methane recovery, solar energy, switch grass and wind energy. In-depth information about each of these resources including financial assistance and incentives is available. In addition, information on energy efficiency programs and resources for understanding Iowa's energy consumption, historical trends and future forecasts may be found.

Renewable Energy Resources Contact Information

Iowa Office of Energy Independence
Lucas State Office Building
321 E. 12th Street
Des Moines, Iowa 50319
(515) 281-8912
<http://www.energy.iowa.gov>

Iowa Energy Center

The Iowa Energy Center at Iowa State University is involved in research and demonstration projects focused on alternative energy systems using renewable resources and assessing technology related to energy efficiency and energy production systems. The Center also supports research in the form of competitive grants, provides scholarships and, through a low-cost financing program, encourages construction of renewable energy production facilities in Iowa.

Iowa Energy Center Contact Information

2521 University Boulevard, Suite 124
Ames, Iowa 50010-8229
(515) 294-8819
<http://www.energy.iastate.edu/>



Iowa Department of Natural Resources (IDNR) Field Offices

About IDNR Field Offices

Six field offices located throughout the state assist Iowans with understanding environmental protection programs. Field offices conduct routine inspections of permitted

facilities and help individuals and businesses understand when to apply for a permit and how to meet permit requirements.

IDNR Field Office Contact Information

Field Office #1

909 West Main, Suite #4
Manchester, IA 52057
(563) 927-2640
<http://www.iowadnr.com/fo/fo1.html>

Field Office #2

2300 15th Street, SW
Mason City, IA 50401
(641) 424-4073
<http://www.iowadnr.com/fo/fo2.html>

Field Office #3

1900 North Grand Ave, Suite E17
Spencer, IA 51301
(712) 262-4177
<http://www.iowadnr.com/fo/fo3.html>

Field Office #4

1401 Sunnyside Lane
Atlantic, IA 50022
(712) 243-1934
Fax: (712) 243-6251
<http://www.iowadnr.com/fo/fo4.html>

Field Office #5

401 SW 7th, Suite 1
Des Moines, IA 50309
(515) 725-0268
<http://www.iowadnr.com/fo/fo5.html>

Field Office #6

1023 West Madison Street
Washington, Iowa 52353-1623
(319) 653-2135
<http://www.iowadnr.com/fo/fo6.html>

Disclaimer

This guide is intended to provide a general overview of permitting/regulatory requirements which may be applicable to your facility. For requirements specific to your facility, please contact the regulatory contact noted in this

guide, or the Iowa Department of Economic Development Business and Regulatory Assistance Team at 1-800-351-4668 for further assistance.

