

Overview

- Main Topics
- Important Links
- Industrial Activities and **Environmental Impacts**
- What Activities Need DNR Permits
- Rules to Meet, No Permit Needed
- -DNR Requirements
- -US EPA Requirements
- Records and Notifications
- DNR Support and Resources



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DNR Environmental Compliance Topics

- Permits
- -Air Pollution
- -Wastewater Discharge
- -Storm Water
- -Wetlands
- -Protected or **Invasive Species**



- Requirements
- –Waste Disposal
- •Hazardous Wastes
- Universal/recycling
- Demolition and Renovation Issues
- -Land or Water Contamination
- -Spills

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U.S. EPA Environmental Compliance Topics

- Emergency Planning and Community Right to Know Act (EPCRA)
- -Tier II Chemical Inventory
- Delegated to state emergency mgmt
- -Toxic Release Inventory (TRI)
- •Also known as Form R
- Submit to EPA



- Chemical Accident Prevention Provisions and Risk Management Plans (RMP)
- Ozone depleting substances (Refrigerants)

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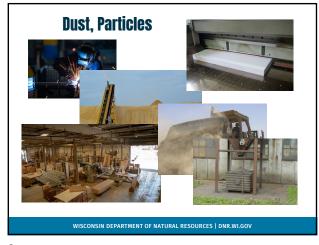
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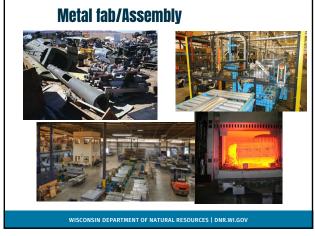






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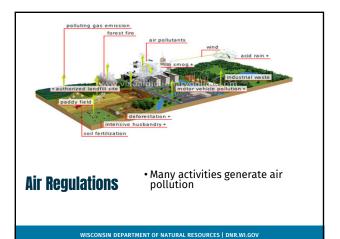


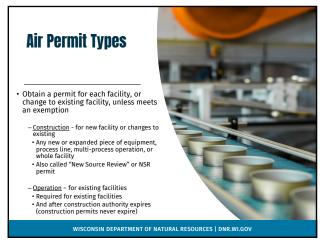




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Air Permits • Air permit is required if emitting pollutants over certain thresholds -Small sources of emissions may be exempt -https://dnr.wi.gov/topic/airpermits/options.html • Plan ahead if making changes! -Some permits take only 15 days, others 90 days -Larger permits can take over 180 days • State and federal air regulations may apply even if no permit needed, for example: -Fuel combustion (emergency generators -Painting large equipment or cars -Fugitive dust

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Wastewater Discharges

- Where will process wastewater go?
- -Ground or surface water -Sewer/POTW
- WI Pollutant Discharge Elimination System (WPDES) permit
 - -For industrial operations that discharge wastewater to water body or storm sewer
- -DNR sets limits on pollutant levels

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Wastewater Permits

- DNR must approve any plans to treat wastewater before discharge
- Work with local utility/municipality to meet limits if discharging to a publicly owned treatment plant



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- Rain / snow melt picks up contaminants and carries them into bodies of water
- Will you be doing construction? Are materials being stored outdoors?
- **Storm Water**

- outdoors?

 Can you cover all materials?
 DNR storm water permits required

 Options for industrial permit
 No Exposure Certification
 General Discharge Permit
 Industry Specific Permits (auto salvage, scrap recycling, nonmetallic mining)
 Individual Permit
- -Individual Permit

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Wetlands

- Avoid filling whenever possible
- Impacting wetlands requires permit
 - -Restoration
- -Compensatory Mitigation
- · Find out if property contains wetlands early in process to prevent delays!
- -Hire a consultant to make determination; DNR list of approved delineators
- -DNR services: Wetland Identification Service; Wetland Confirmation Service
- · Army Corps of Engineers, counties, municipalities also regulate wetlands



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Endangered, Threatened & Invasive Species

- Know your property if planning to build or
- -What species are present on the property?
- -Could protected species impact a project?
 - •May require permit to allow impact
 - •Incentives to preserve habitat/resources
- -Are invasive species present?
- •How will they impact the property?
- •What measures might you take to control or prevent their spread?
- -Management part of stormwater and wetlands permit applications

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Permit Applications • Planning -https://dnr.wi.gov/topic/AirPermits -Allow for 2-6 months to prepare /Apply.html applications -https://dnr.wi.gov/topic/AirPermits -DNR review time based on complete /Forms.html application; clock stops when they need more info · Water ePermits -https://dnr.wi.gov/Permits/Water/ • Timelines: WISCONSIN DEPARTMENT OF NATURAL RESOURCES | DNR.WI.GOV



Air Emissions Reporting

- Reporting thresholds below permit exemption levels
- Required for any pollutant emitted above thresholds in previous calendar year
- If below thresholds, file Under Threshold Notification
- Most thresholds range 6,000 to 10,000 pounds per year
- http://dnr.wi.gov/topic/Air Emissions/



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Waste Disposal

- Dispose of all waste materials properly!
- Determine if each waste is hazardous or non-hazardous solid waste
- -Recycling certain materials can avoid hazardous waste rules
- Know how to handle <u>hazardous</u> waste
 —Regulations vary based on amount
- generated each month







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Hazardous Waste



- Determine if each waste is hazardous
- -https://dnr.wi.gov/files/PDF/pubs/wa/wa1152.pdf
- -documentation is critical for compliance
- -fillable checklist can help https://widnr.widen.net/s/wvlwrjsgzs/sb142
- Determine generator classification based on hazardous waste amounts
- Streamlined regulations for universal waste
- Additional requirements for treatment, storage and disposal facilities and hazardous waste transporters
- Common violations: https://dnr.wi.gov/files/PDF/pubs/wa/WA850.pdf

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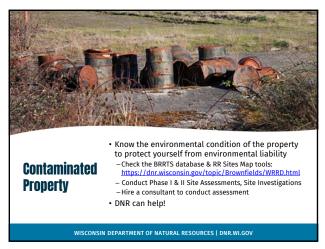
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Demolition/Renovation

- · Structures cannot be burned
 - -Except for approved fire fighter training exercises
 - -May need local burn permits
- Do structures contain asbestos? -Must be trained and certified to
- remove asbestos -DNR must be notified before
- removal begins
- -https://dnr.wi.gov/topic/Demo /Asbestos.html

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Spill Response

- Spills require an immediate response! https://dnr.wi.gov/topic/SmallBusiness/Spills.html
- Determine if spill needs to be reported https://dnr.wisconsin.gov/topic/Spills/define.html
- Contact DNR spill coordinator for guidance on containment and cleanup https://dnr.wi.gov/DocLink/rr/RR559.pdf
- DNR's 24-hour spill emergency hotline

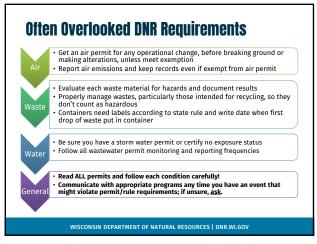
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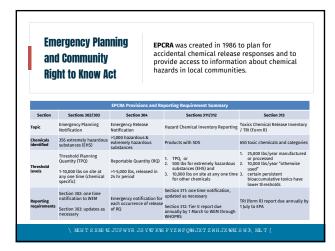
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EPCRA

- Sections 302 through 312 managed by Wisconsin Emergency Management
- -https://wem.wi.gov/epcra/
- -Learn about EPCRA, find lists of regulated chemicals and current reporting forms: https://wem.wi.gov/forms-resources/
- -If have chemicals above thresholds on-site, then file annual Tier II (312) report by March 1 and pay fee
- -Submit report online: https://wem.wi.gov/whoprs/
- Section 313, Toxic Release Inventory (TRI) filed with U.S. EPA
 - -Covered industries with listed chemicals above thresholds must submit by July 1 every year
- -https://www.epa.gov/toxics-release-inventory-triprogram/reporting-tri-facilities

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Risk Management Program or RMP

- Chemical Accident Prevention Provisions (40 CFR Part 68. or Section 112r, Clean Air Act), published June 21, 1996
- Facilities develop a Risk Management Program to manage potential risks associated with processes using regulated substances
 - Source has more than threshold quantity of a regulated
 - -Source has more than threshold quantity of a regulated substance in a process -Process is any group of interconnected vessels and separate vessels located such that a highly hazardous chemical could be involved in a potential release
 - Elements of program based on levels of risk at facility
- Program 1 is low risk: no releases last 5 years resulting in response, endpoint of impact is closer than receptors response, endpoint of impact is closer than receptors, coordinate with LEPC

 Program 3 is high risk: cannot meet Program 1 and in listed NAICS or subject to OSHA PSM
- Program 2 is anything not in 1 or 3

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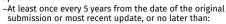
RMP Applicability

- Regulated substances:
- -https://www.epa.gov/rmp/list-regulated-substances-under-<u>risk-management-plan-rmp-program</u>
- -77 Listed Toxic Substances
- •Ex: Anhydrous Ammonia, 10,000 pound threshold quantity
- -63 Listed **Flammable** Substances
- •Ex: Methane, 10,000 pound threshold quantity
- Exemption
- -Ammonia used as an agricultural nutrient, when held by farmers, is exempt from all provisions of this part
- -Flammable substances used as fuel or held for sale as fuel at retail facilities

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RMP Requirements

- Submit in the RMP:
- -Offsite consequence analysis (OCA)
- -Five-year accident history
- -Prevention program/Program 2 or 3
- -Emergency response program
- Update RMP:



- •3 years after a newly regulated substance is listed by EPA
- •The date on which a regulated substance is first present above a threshold quantity
- -Within 6 months of a change that...
- Requires a revised PHA or hazard review
- Requires a revised OCA analysis
- Alters the Program level
- De-registration within 6 months if rule no longer applies

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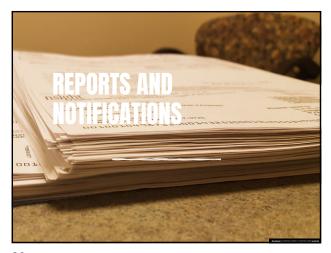
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Ozone Depleting Substances (Refrigerants)

- Section 608 of Clean Air Act
- Prevent the release of ozone-depleting substances (ODS) when stationary equipment is being serviced, maintained, repaired, or disposed.
- -Reduce the use and emission of ODS from stationary equipment.
- $-\mbox{\it Maximize}$ the recapture and recycling of ODS from stationary equipment.
- -Ensure the safe disposal of ODS.
- -https://www.epa.gov/section608/managing-refrigerant-stationary-refrigeration-and-air-conditioning-equipment
- Affects small businesses like grocery stores, food product storage, salvage yards accepting appliances, others...
- -https://www.epa.gov/section608/stationary-refrigeration-resources-businesses
- -https://www.epa.gov/section608/revised-608-rule-fact-sheets
- Related AIM Act to reduce HFCs used as replacements for ODS <u>https://www.epa.gov/climate-hfcs-reduction</u>

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Reports due to DNR

- Most programs require access through Switchboard: https://dnr.wisconsin.gov/tonic/Switchboard
 - –set up access for key staff and Responsible Official
- -many reports require certification from Responsible Official as final submittal/signature step
 Due dates of reports most facilities will need

- Air Program
 permit certification and annual compliance summary report Jan 31 or March 1 • annual emissions report - March 1
- –Waste Program:
- waste rrugiani. annual waste generation report March 1 episodic generation 30 days before event, or 72 hours after if unplanned
- -Water Program
- wastewater discharge see permit for frequencies
- *wastewater land application January 31
 *storm water facility compliance inspection annually, from permit issuance date
 *storm water visual monitoring quarterly
- Remediation
 –find evidence of spill or contamination, submit through RR portal
- -https://dnr.wisconsin.gov/topic/Brownfields/Submittal.html

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Reports due to WEM or EPA

- EPCRA
- -Tier II March 1 to WEM
- -TRI July 1 to EPA
- RMP submit new plan to EPA
- -5 years from date of original submission or most recent update
- -3 years after a newly regulated substance is listed by EPA
- -Date a regulated substance is first present above a threshold quantity
- -Within 6 months of a change that triggers new hazard analysis or Program level
- Refrigerants (ODS)
- –owners with equipment containing at least 50 pounds of ODS that leaks more than 125% of its full charge within a calendar year, must report to EPA by March 1
- -submit to 608reports@epa.gov

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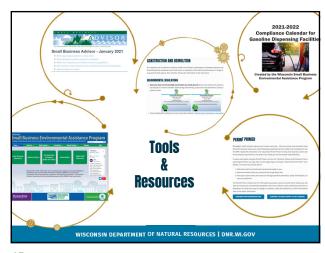




Not sure where to start with DNR or EPA rules? Small Business Environmental Assistance Program (SBEAP) Free, confidential help with environmental rules Plain-language explanations and resources Trainings, webinars, emission calculators and more One-on-one help by phone, or site visits On-line resources available 24/7 Helpline: 855-899-3021 E-mail: DNRsmallbusiness@wi.gov Website: https://dnr.wi.gov/topic/smallbusiness

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Think you are doing things right, but want to be sure?

Enviro-check

- Voluntary self-audit, report violations/corrective actions to DNR
- Limited liability no or low fines if eligible for the program and corrections made in <60 days (180 days for small business stationary sources)
- Improves facilities' knowledge and environmental performance through audit findings and corrective actions
- Reduces environmental risks and impacts

Phone: 608.266.6887
Email: DNRenvirocheck@wi.gov
Website: https://dnr.wi.gov/topic/EnviroCheck/

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Why Might a Company Use Enviro-Check?

- Change in operations
- Staff/management turnover
- Buy, sell or expand facility
- Some types of general complaints
- · Identify efficiencies and cost-savings
- Requirement of customers, supply chain, certifications, lenders or risk management
- Due diligence review for shareholders or potential investors

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Going above and beyond basic compliance. Looking for flexibility and recognition?

Green Tier

- Voluntary program providing recognition and support for superior environmental performance
- Negotiate flexibility in permits, inspection frequency, etc.
- Assigned Single Point of Contact (SPOC) at DNR
- · Shifts the focus from enforcement to encouragement

Phone: 608.267.6817 Email: <u>GreenTier@wi.gov</u> Website: Greentier.wi.gov



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Green Tier Tools Drive Environmental Performance

- Environmental management systems
- Routine audits by approved auditors
- Annual reports
- Continual Improvement / Efficiencies
- Shared tools and resources
- Single points of Contact (SPOCs)
- Improved DNR relations



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