



**Environmental Quality Board
in Cooperation With
Department of Transportation
Department of Natural Resources
Pollution Control Agency
and With the Assistance of
Department of Commerce and
Department of Agriculture**

Mandatory Environmental Review Categories

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**Prepared In Response to
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Chapter 150—S.F. No. 1567
Article 2, Section 3**

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Mandatory Environmental Review Categories

Purpose of Report

This report was prepared in response to the Minnesota Legislature's 2012 amendment of Minnesota Statutes Chapter 116D, known as the Minnesota Environmental Policy Act (MEPA). This statutory amendment directs specific state agencies to examine the categories for mandatory environmental review that were created by Minnesota Rules 4410. The amendment was as follows:

LAWS of MINNESOTA for 2012
CHAPTER 150–S.F.No. 1567
ARTICLE 2

Sec. 3. Minnesota Statutes 2010, section 116D.04, is amended by adding a subdivision to read:

Subd. 5b. Review of environmental assessment worksheets and environmental impact statements. By December 1, 2012, and every five years thereafter, the Environmental Quality Board, Pollution Control Agency, Department of Natural Resources, and Department of Transportation, after consultation with political subdivisions, shall submit to the governor and the chairs of the house of representatives and senate committees having jurisdiction over environment and natural resources a list of mandatory environmental assessment worksheet and mandatory environmental impact statement categories for which the agency or a political subdivision is designated as the responsible government unit, and for each worksheet or statement category, a document including:

- (1) intended historical purposes of the category;
- (2) whether projects that fall within the category are also subject to local, state, or federal permits; and
- (3) an analysis of whether the mandatory category should be modified, eliminated, or unchanged based on its relationship to existing permits or other federal, state, or local laws or ordinances.

History of Environmental Review in Minnesota

A brief history is necessary in order to understand the purposes of the environmental review program. The program was established in 1973 by Minnesota Statute 116D, otherwise known as the Minnesota Environmental Policy Act (MEPA). This statute created the environmental review program for the state and required the preparation of rules for the program (Minnesota Rules 4410). Specific authority for the Environmental Quality Board (EQB) to promulgate rules relating to the mandatory categories is granted under Minn. Statute 116D.04, Subd. 2a.(a) and Subd. 5a.

Rulemaking, including rule amendments, must follow a process that is defined in Minn. Statute 14, the Administrative Procedure Act. The process requires public notification of the rulemaking and the proposed rule changes must be made available for public review and comment. Comments are considered and decisions made for the final version of the rules. Though an agency prepares the draft rules, the process is overseen by the Office of Administrative Hearings. The statute requires an open public process for preparing and amending agency rules.

The statute also requires that a rule amendment proposal include a Statement of Need and Reasonableness (SONAR), which explains the reasons for proposed rule changes. The SONAR also discusses such things as who will be affected, alternative methods for achieving the purpose of the rule amendment, and other points listed in statute.

The following excerpt from the SONAR prepared in 1982 will help understand the historical purposes of the environmental review program overall.

Excerpt from 1982 Statement of Need and Reasonableness (SONAR)

I. AUTHORITY

These rules are proposed to implement the 1980 amendments to the Minnesota Environmental Policy Act, Minn. Stat. Ch. 116D. Existing rules 6 MCAR § 3.021 through 3.032 are deleted in their entirety and are replaced by proposed rules 6 MCAR §§ 3.021 through 3.041. Existing rules 6 MCAR §§ 3.033 through 3.047 are amended to become 6 MCAR §§ 3.042 through 3.054. These sections contain minor revisions as indicated. Rules 6 MCAR §§ 3.055 and 3.056 replace the existing rule 6 MCAR § 3.025 G.

Specific authority to promulgate rules relating to the Environmental Review Program is granted under Minn. Stat. § 116D.04, subd. 5 (a) and Minn. Stat. § 116D.045. General rule-making authority is given the Environmental Quality Board in Minn. Stat. § 116C.04 and Minn. Stat. § 116D.

II. HISTORY OF ENVIRONMENTAL REVIEW IN MINNESOTA

The concept of environmental review was spawned in the late 1960s with the developing environmental conscience. Its purpose was to implement environmental protection as a matter of public policy and to utilize the Environmental Impact Statement (EIS) as a planning tool in the decision-making process. Environmental review does not of itself make decisions; rather it provides necessary information to governmental units which they can utilize to make environmentally sensitive decisions in the best interests of the public. It has a further purpose in allowing the public to participate in decisions that affect them. The intent is to prevent environmental degradation by wise and informed decisions.

Minnesota's Environmental Review Program was established by the Minnesota Environmental Policy Act (MEPA) of 1973. Companion legislation, found at Minn. Stat. ch. 116c, established the Minnesota Environmental Quality Board (EQB). Rules implementing the process were promulgated in 1974 and remained in effect until 1977. Under the initial process all decision-making authority was centralized in the EQB. The EQB decided on a case-by-case basis which projects were major actions with the potential for significant environmental effects.

In 1977 the Environmental Review Program Rules were amended to incorporate recommendations based on the history of the first three years of the program. The most significant change was the decentralization of the process by allowing local and state agencies to assume more authority in decisions on the need for EISs for proposed projects under their jurisdiction. The agency that had the most approval authority over a project was required to prepare an Environmental Assessment Worksheet (EAW) to determine whether the project warranted an EIS. Decisions made by the responsible agencies were subject to review and reversal by the EQB. These rules are currently in effect for the Environmental Review Program and are referred to throughout this Statement as the "current rules".

During the 1979-80 legislative session, the EQB, a business group, and an environmental group submitted proposals to the legislature for revisions to MEPA. The EQB staff was given these three proposals and told to work out a compromise. The staff drew elements from each of the three proposals, the new Council on Environmental Quality regulations, and existing processes in other states, and developed compromise legislation. This draft legislation was submitted to the legislature and served as the basis for amendments to MEPA which became law on April 3, 1980.

III. 1980 AMENDMENTS TO THE MINNESOTA ENVIRONMENTAL POLICY ACT

The main elements of the amended MEPA include:

1. Further decentralization of decision-making authority to allow local units of government and permitting state agencies to make final administrative decisions regarding the need for and adequacy of environmental review. The EQB retains the authority to make rules governing the environmental review process, however, the EQB may intervene only at specified times during the process. Local and state agency administrative decisions may no longer be appealed to the EQB. Appeals must be filed directly in district court.
2. Establishment of specific thresholds for projects and impacts that will automatically require preparation of an EAW or EIS to assure greater predictability in the process. Categories of projects which are exempt from environmental review were also required.
3. Establishment of strict time limits for the preparation and review of environmental documents.
4. Encouragement of citizen participation early in the process of environmental review to promote a non-adversarial process. The agency responsible for preparing the EAW must submit the EAW for a 30 day public review and comment period. The final decision on the need for an EIS is not made until after public comment has been received.
5. Establishment of a relaxed process of citizen initiation of environmental review to enable citizen involvement early in the process to promote non-adversarial interaction on controversial projects.
6. Provision for flexible content requirements for EISs. An early and open scoping process is established as the first step in EIS preparation. Through this process, only the relevant issues are analyzed in the EIS. This provides for a shorter, more timely and less expensive document that is more relevant and useable for decision makers.
7. Provision for alternative forms of environmental review. The intent is to allow environmental review to proceed in the most timely, cost effective manner as long as the alternative process meets base criteria.

Analysis of Mandatory Categories

To comply with Minnesota Laws 2012 Ch. 150, Art. 2, Sec. 3, several state agencies analyzed the categories for mandatory environmental review that are established by Minn. Rules 4410. The Department of Transportation, Department of Natural Resources, and the Pollution Control Agency examined the categories for which they are the designated Responsible Governmental Unit (RGU). The statute does not assign a specific agency to address categories designating the local governmental unit—political subdivisions of the state—as the RGU, so EQB staff took on the responsibility to analyze those categories.

The EQB is designated as the RGU for the categories for nuclear waste facilities, power generating facilities, electrical transmission lines, and pipelines. However, these categories were altered significantly by the statutory transfer of siting and routing authority to the Public Utilities Commission. Because the Department of Commerce administers the review and analysis of siting, routing, and certificate of need applications and also conducts the environmental review required for the Public Utilities Commission's decisions in those matters, Commerce staff provided the majority of the review of those categories. Similarly, because all releases of genetically engineered organisms have been agriculturally-related, the Dept. of Agriculture provided the analyses for those categories.

These analyses reviewed rule amendment SONARs prepared in 1982, 1986, 1988, 1997, 2003, 2004, 2005, and 2007. Some amendments occurred to reflect amendments to the MEPA statute. Others occurred based on experience over time, whether in response to particular issues that arose or a need to clarify the rules. (Amendments under the “good cause” provisions of statute were not examined because they simply reflect statutory changes and thus do not have reasoning behind the changes explained in a SONAR.)

Each agency performed the review of its categories. While the agencies consulted on the work and the present similar information, the reports differ in some aspects. For example, in the MnDOT table the recommendations column has separate EAW and EIS discussions. In the local government table, the EAW and EIS categories themselves are shown separately but the historical purpose, potential permits, and recommendations are combined unless specifically indicated. These differences are due to the types of projects, the agencies' roles, and the format of the information found in past SONARS.

Permits, Approvals, Laws, Ordinances Applicable to Projects

The legislation requires the analysis to address “whether projects that fall within the category are also subject to local, state, or federal permits”. Recommendations for amending the category are to be based on the “relationship to existing permits or other federal, state, or local laws or ordinances”.

This element of the analysis is extremely complex several reasons. First, it is important to understand that an environmental review is not a decision document: a project does not “pass” or “fail” an environmental review. In contrast, a permit is a decision document: either a project meets the requirements and a permit is issued, or the permit is not issued. On some projects, the environmental review provides a basis of information for preparing permits and approvals. On other projects, permit information will be fundamental for the analyses performed for the environmental review document. Permits and environmental review are different tools. It is not true that they duplicate the same function.

Second, many of the mandatory categories are very broad. For example the category for “industrial, commercial, and institutional facilities” covers a very broad spectrum: retail, warehousing, heavy manufacturing, schools, hospitals, etc. A shopping mall and a steel manufacturing facility will have some common types of environmental impacts. However, the traffic generation, lighting, noise, air emissions, stormwater runoff, water usage, and wastewater discharges will differ greatly. Because of those differences, the specific permits or approvals that might be involved will vary greatly. It is impossible to create a definitive list of every permit that applies to every type of project in this and other categories.

Third, both state and local government units issue many project permits and approvals: thousands each year across the state. In contrast, relatively few environmental reviews are prepared. An environmental review examines all potential impacts, consolidating information in one document. A specific permit often focuses on one type of impact such as air emissions. This is one of the important purposes of environmental review compared to permits.

Fourth, different local governments have different permit/approvals that apply to projects. What might be required in one county will not reflect requirements in another county. Fifth, local governmental units frequently have very different levels of experience and expertise for project review and approval. The local permits or approvals often do not consider the entire project, nor do they consider all potential effects on the community and the environment.

In summary, there is no one-size-fits-all permit, approval, or ordinance for projects within a single mandatory category. The variation in possibilities is extensive. Thus, it is impossible to create a definitive list of the permits/approvals/ordinances/laws that will apply and the relationships to environmental reviews. The tables do not pretend to do so. Instead, the tables attempt to list examples of that might be applicable with the caveat that it will depend on the specific project and location in the state as well as the mandatory category for that project type.

Amending the Mandatory Categories: Rulemaking

The agencies arrived at a number of recommendations regarding potential amendments to the mandatory categories. The recommendations are summarized below and listed with more detail in the tables in the appendices. EQB intends to initiate the rulemaking process to open the process for public dialogue and comments on the mandatory thresholds. The EQB plans to publish a notice of its intent to initiate the process in early 2013.

This rulemaking process will be conducted in accordance with the statute that governs agency rulemaking and amendment. Rulemaking according to the statute ensures public accountability, access, and participation. In fact, these are stated as important purposes of how the rulemaking process is designed. The purposes of the statute are as follows:

CHAPTER 14
ADMINISTRATIVE PROCEDURE

14.001 STATEMENT OF PURPOSE.

The purposes of the Administrative Procedure Act are:

- (1) to provide oversight of powers and duties delegated to administrative agencies;
- (2) to increase public accountability of administrative agencies;
- (3) to ensure a uniform minimum procedure;
- (4) to increase public access to governmental information;
- (5) to increase public participation in the formulation of administrative rules;
- (6) to increase the fairness of agencies in their conduct of contested case proceedings; and
- (7) to simplify the process of judicial review of agency action as well as increase its ease and availability.

In accomplishing its objectives, the intention of this chapter is to strike a fair balance between these purposes and the need for efficient, economical, and effective government administration. The chapter is not meant to alter the substantive rights of any person or agency. Its impact is limited to procedural rights with the expectation that better substantive results will be achieved in the everyday conduct of state government by improving the process by which those results are attained.

Summary of Recommendations

RGU: Local Governmental Unit Mandatory Category Number, Title	recommendation	page number
4410.4300 EAW CATEGORY. Subp. 14. Industrial, commercial, and institutional facilities. 4410.4400 EIS CATEGORY. Subp. 11. Industrial, commercial, and institutional facilities.	Consider possible change in thresholds, but this merits very careful examination. Clarification of language may be productive for A. and B., definitely for C. and D.	A 5
4410.4300 EAW CATEGORY. Subp. 19. Residential development. 4410.4400 EIS CATEGORY. Subp. 14. Residential development.	Consider possible change in thresholds in larger cities with comprehensive and environmental planning expertise, but this merits very careful examination because of the variation in expertise among local governments.	A 7
4410.4300 EAW CATEGORY .Subp. 32. Mixed residential and industrial-commercial projects. 4410.4400 EIS CATEGORY. Subp. 21. Mixed residential and commercial-industrial projects.	Consider possible change in thresholds for communities with comprehensive plans that include specified elements, but this merits very careful examination. The variation in expertise, sophistication, interest, and effectiveness in planning and regulatory methods across local governments remains. The diversity of projects also continues. The threshold quantities were controversial in 1982 and there's little reason to believe this has changed.	A 16
4410.4300 EAW CATEGORY. Subp. 36. Land use conversion, including golf courses.	Consider possible change to threshold quantity. Consider possible clarification of language for project type.	A 17
4410.4300 EAW CATEGORY. Subp. 36a. Land conversions in shoreland.	Review intent and consider clarifying language.	A 18
RGU: Department of Transportation Mandatory Category Number, Title	recommendation	page number
4410.4300 EAW CATEGORY. Subp. 22. Highway projects.	"B. For construction of additional travel lanes on an existing road for a length of one or more miles..." threshold should be increased from 1 mile to 2 miles.	B 2
RGU: Environmental Quality Board Mandatory Category Number, Title	recommendation	page number
4410.4300 EAW CATEGORY. Subp. 2. Nuclear fuels and nuclear waste. 4410.4400 EIS CATEGORY. Subp. 2. Nuclear fuels and nuclear waste.	There may be overlap between 4410.4300 Subp. 2.A. and 4410.4400, Subp. 2.C. This should be examined.	C 1
4410.4300 EAW CATEGORY. Subp. 3. Electric generating facilities. 4410.4400 EIS CATEGORY. Subp. 3. Electric generating facilities.	Initiate discussion on RGU for EAW on facilities under 50 MW other than Large Wind energy Conversion Systems.	C 1
4410.4300 EAW CATEGORY. Subp. 7. Pipelines 4410.4400 EIS CATEGORY. Subp. 24. Pipelines.	Based on review by the Dept. of Commerce, the category should be reviewed to confirm if all pipelines are addressed with Minn. Rules 7852.	C 2

RGU: Department of Natural Resources Mandatory Category Number, Title	recommendation	page number
4410.4300 EAW CATEGORY Subp. 28 B. Forestry	Eliminate this mandatory EAW category.	D 5
4410.4300 EAW CATEGORY. Subp. 30. Natural areas	<ul style="list-style-type: none"> • The DNR believes it is unlikely an inconsistent project would encroach on a state trail corridor and therefore recommends deleting state trail corridors from the category. • Clarification could be considered regarding how this category applies when master plan revisions (that are subject to a public review process) are proposed. 	D 5
4410.4300 EAW CATEGORY. Subp. 37 B. Recreational trails	Consider modifications regarding how miles of new types of motorized trail use are calculated. Also consider not counting new motorized uses on abandoned rail grades toward Item 37B threshold.	D 9
4410.4300 EAW CATEGORY. Subp. 37 C. Recreational trails	Maintain this EAW category, but provide an exemption for paving trails on abandoned railroad grades.	D 10
RGU: Pollution Control Agency Mandatory Category Number, Title	recommendation	page number
4410.4300 EAW CATEGORY. Subp 5. Fuel Conversion Facilities.	Recommend review of definition of biomass in EQB Rules to ensure consistency with term as used in other rules or statutes.	E 2
4410.4300 EAW CATEGORY. Subp. 8. Transfer Facilities.	A review of the use of coal and peat is suggested as it relates to Subpart A.	E 4
4410.4300 EAW CATEGORY. Subp. 16. Hazardous Waste.	<ul style="list-style-type: none"> • Suggested language changes to reflect current permit language • Suggest rule change - work with DNR to add sediment cleanups at Superfund or other remediation program sites as exemptions to Subp. 27 (wetlands and public waters) 	E 9
4410.4300 EAW CATEGORY. subp. 17. Solid Waste 4410.4400 EIS CATEGORY Subp. 13. Solid Waste	<p>EAW and EIS :</p> <ul style="list-style-type: none"> • Category language should be changed to reflect current permitting process • Future review of landfill projects may be accomplished by means of an alternative environmental review or AUAR-like process. • Transfer facilities should be reviewed for possible elimination. <p>No change to the remainder of the subparts.</p>	E 10

<p>Wastewater Systems</p> <p>4410.4300 Subp. 18</p>	<p>Review for possible change in requirements for expansion of WWTF.</p> <p>Review for possible addition to the category for the following items. The following wastewater is not currently being addressed:</p> <ul style="list-style-type: none"> · Utility wastewater (cooling tower blowdown, reject, etc.) NOT associated with an industrial wastewater classified as process wastewater under the federal regulations should be considered for review. · Waste streams resulting from the removal of pollutants or “impurities” from water being used for either industrial or drinking water should be considered for review. · Water Treatment Plant Residual (backwash, reject, etc.) from a domestic water treatment plant should be considered for review. 	<p>E 13</p>
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APPENDIX A

LOCAL GOVERNMENT RGU CATEGORIES

EQB staff sent out a draft table to select representatives of local governmental units including counties and municipalities in both Greater Minnesota and the Metropolitan Area. These units were selected to include experience with a broad range of mandatory categories. Recognizing that this focused method does not capture all possible experiences or perspectives, it was chosen because of limitations on time and on EQB staff resources. Input addressed specific categories as well as the environmental review program overall.

Input was received from staff from the following:

Crow Wing County	City of Bloomington
Kandiyohi County	City of Hugo
Scott County	
Sherburne County	
Washington County	

General statements are included here first. Category-specific input is listed in the table in the respective mandatory categories.

General Input from a Metro county:

I have been coordinating the preparation of environmental reviews for private projects located within the townships in (the county) since the mid 1980s. Most of the projects triggering a mandatory EAW were for residential developments or golf courses triggered by Subparts 19, 36 or gravel mining triggered by Subpart 12B. The EAWs provide answers to questions often resulting in proposed mitigation and eventually becoming conditions for plats, conditional or interim use permits. Without the knowledge gathered by the preparation of an EAW it would be difficult to identify and justify many of the conditions that we need to place on such permits to protect the environment or public health and safety. Since such projects are normally just dealt with by land use planners who lack the understanding for many of the technical environmental issues those issues would likely not have been noted before approval was recommended by staff to the Planning Commission and County Board. In the past unrecognized impacts became costly for local officials to address. Some examples we have observed with developments that were approved before environmental reviews were required include lack of planning and funding for necessary road improvements, failure to recognize flooding impacts and establish storm water drainage infrastructure and easements, incompatible land uses resulting in later complaints for odor, noise, and air pollution. Recognizing this we have worked closely with planners, traffic engineers, township officials, soil and water conservation staff and other experts as needed for each environmental review we prepare. Our approach has evolved into a County-coordinated team approach involving townships and even adjacent city officials in addition to state and

federal officials (when appropriate) who meet, review the issues and approve drafts before they are released for comment. Following comments, the responses to comments are prepared by staff and then reviewed and edited by the team. In this way, we build rapport, understanding and trust among all affected jurisdictions. The meetings are open for observance by interested parties as well.

I have no suggestions for changing the thresholds associated with triggers for environmental review. I generally feel that the thresholds are appropriate and have weathered the test of time. Though, some of the categories are more associated with municipal development than with the unsewered areas we deal with.

The EAW process has been streamlined somewhat in recent years to enable completion by the project proposer in response to complaints by affected groups that the process was taking too long. Since we had always worked with a project proposer to prepare a draft EAW we haven't seen much change from our perspective. The projects that seem to run into the biggest problems are those where the proponents' own consultants fail to communicate effectively with the (proposer's) development team or to advise them of major obstacles they are likely to encounter or even worse, downplay such obstacles leaving the proponent with false expectations.

I also did not add to your permits column. I got the impression that if permits are required then perhaps an environmental review is not as important. This might be the case if every local jurisdiction had the advantages of technically knowledgeable staff in the issues related to a permit but most local permits are land use permits with open-ended conditions attached. The MPCA, DNR and MDH, MNDOT have such expertise for issues related to the permits they issue for air quality, water quality, ground water and traffic, but local jurisdictions mostly do not and they are concerned about these issues whether or not there are state permits involved. In most cases separate state permits are not involved, but even when they are, these permits are limited to address issues for which rules have been written. When rules have not kept pace with changing developments valid concerns may not be addressed. An example is the recent growth of silica sand mining and processing. Arguably, the MPCA Air Quality rules are lacking in their ability to address silica dust effectively. Local land use permits can still do this regardless of the lack of rules. Even when rules exist, like the state noise rules, they don't address impacts such as impulse noise and nuisance sounds or wildlife disturbance that may be important local area concerns. So, I didn't feel that listing potential permits was appropriate, since it might give some people (who lack a technical appreciation for the scope of rules) the false impression that environmental reviews were redundant and not important if permits were otherwise required anyway.

The historical purpose sections in your table for some of the subparts suggest justification because such projects are often "controversial". Controversy or the lack of it shouldn't be a determining factor for conducting an environmental review, but rather the purpose should be to obtain a better understanding of the potential impacts associated with projects that have the potential to result in adverse impact to improve decisions. Controversy can be totally unrelated to the questions associated with an environmental review and often is borne out of fear of the unknown.

The environmental review process has been tinkered with for various reasons over the years. Some changes were beneficial to improving the process and some appeared to be politically motivated to satisfy powerful interests. For example, the environmental review process was significantly compromised in 2005, with passage of legislation that transferred the environmental review process away from the EQB and to the Public Utilities Commission for things like crude oil pipelines. The first project to evade a proper environmental review was the MinnCan pipeline by Koch Industries, a project that arguably instigated the change in the rules in 2005. Recognizing that the first major pipeline constructed in Minnesota since the EQB rules went into effect crossed through the center of Minnesota and through three rapidly developing metropolitan counties did not receive one comment from a State Agency as part of the so-called environmental review process is indicative of the failure of the environmental review process conducted by the PUC. Crude oil is not even a PUC regulated commodity and crude oil pipelines are certainly not a public utility, but rather a private commodity conveyance system that has wrongfully been afforded the power of eminent domain.

The failure of the environmental review process for the MinnCan pipeline suggests the need for a reversal of the politically inspired decision to short circuit the environmental review process and restore to the EQB the responsibility of conducting environmental reviews for crude oil pipelines and for any other private transmission or conveyance systems for which rates are not regulated by the PUC.

One change that might also be considered is more logistical, considering the current role the MPCA has been given in regard to administering the EQB rules. Many smaller governmental units lack the experienced staff needed to tackle an environmental review. The result has either been review documents that have been completely prepared by the developer's consultants and then simply signed by unwitting local officials or have resulted in long preparatory times frustrating the developers. I would suggest that the MPCA field officers become familiar with the environmental review process and provide hands on assistance to local units guiding them through the process of preparing an environmental review document. This would also help engage the MPCA in the process as well.

Many of the EAWs we have distributed for comment receive only a cursory review by the state agencies if any. Local units of government rely on the expertise at the state level that they lack locally. When that doesn't happen, the process sometimes isn't even worth doing. Often we have had to badger state agencies to respond to environmental reviews when we recognize concerns but lack the expertise, or political support to weigh in on them. On some recent environmental reviews with significant environmental issues, after pestering state agencies we have received belated comments that we then had to acknowledge despite the end of the official comment period or try to incorporate into conditions in a land use permit. This has created problems for the official record when challenged by the developer. We recognize the lack of resources environmental agencies face now, but as environmental impacts become more critical to identify and prevent as population grows, failure in this regard can have significant consequences.

General Input from a Metro suburb:

The difference between cities of the first class and cities of the second class is blurring. Many cities of the second class are fully developed now. Recommend merging these into one category, using the thresholds for cities of the first class.

In general, there is a lot of duplication in review related to storm water:

- *City Comprehensive Stormwater Management Plan requirements*
- *Grading, drainage, utility, and erosion control plans approved by the City Engineer*
- *Watershed District requirements*
- *National Pollutant Discharge Elimination System (NPDES) requirements – facilitated by MPCA*

There can also be some duplication when it comes to sanitary sewer and watermain review:

- *Grading, drainage, utility, and erosion control plans approved by the City Engineer (reviewed by Utilities)*
- *MPCA Sanitary Sewer Extension Permit (dual review by Metropolitan Council)*
- *MDH Watermain Permit*

From a PW (public works) perspective, it seems that everything PW related in an EIS/EAW is covered in other parts of the City review process. We have conditions and City code requirements that ensure that environmental issues are covered before the development is constructed. That being said, for a larger project, staff have found the preliminary environmental review helpful. For smaller projects, less helpful.

Mandatory Categories Analysis

The following table includes:

- All mandatory categories for an environmental assessment worksheet (EAW) and environmental impact statement (EIS) for which the responsible government unit is a local government (political subdivision).
- Intended historical purposes of the category: summaries of reasons for past rule amendments.
- Examples of possible local, state, or federal permits to which projects may or may not be subject.
- Recommendations regarding whether the mandatory category should be modified, eliminated, or unchanged. This column also input from local governments specific to a category.

LOCAL GOVERNMENT (Political Subdivisions): Prepared by EQB

Mandatory Categories: Local Government as RGU	Intended Historical Purpose	Example Local, State, Federal Permits, Laws, Ordinances that may (or may not) apply.	Should category be modified, eliminated, or unchanged based on relationship to existing permits or other federal/state/local laws/ordinances?
<p>4410.4300 MANDATORY EAW CATEGORY. Subp. 12. Nonmetallic mineral mining. Items A to C designate the RGU for the type of project listed: A. For development of a facility for the extraction or mining of peat which will result in the excavation of 160 or more acres of land during its existence, the DNR shall be the RGU. B. For development of a facility for the extraction or mining of sand, gravel, stone, or other nonmetallic minerals, other than peat, which will excavate 40 or more acres of land to a mean depth of ten feet or more during its existence, the local government unit shall be the RGU. C. For development of a facility for the extraction or mining of sand, gravel, stone, or other nonmetallic minerals, other than peat, which will excavate 20 or more acres of forested or other naturally vegetated land in a sensitive shoreland area or 40 acres of forested or other naturally vegetated land in a nonsensitive shoreland area, the local governmental unit shall be the RGU.</p> <p>4410.4400 MANDATORY EIS CATEGORY. Subp. 9. Nonmetallic mineral mining. Items A to C designate the RGU for the type of project listed: A. For development of a facility for the extraction or mining of peat which will utilize 320 acres of land or more during its existence, the DNR shall be the RGU. B. For development of a facility for the extraction or mining of sand, gravel, stone, or other nonmetallic minerals, other than peat, which will excavate 160 acres of land or more to a mean depth of ten feet or more during its existence, the local government unit shall be the RGU. C. For development of a facility for the extraction or mining of sand, gravel, stone, or other nonmetallic minerals, other than peat, which will excavate 40 or more acres of forested or other naturally vegetated land in a sensitive shoreland area or 80 or more acres of forested or other naturally vegetated land in a nonsensitive shoreland area, the local governmental unit is the RGU.</p>	<p><u>page 127 OF 1982 SONAR</u> This category area was proposed because of the potential for significant effects on ground and surface water quality and quantity, air quality, land use, and the local and state economy. Other local and state regulations relating to these activities do not necessarily deal with the full spectrum of potential impacts. Environmental review would facilitate multi-agency coordination.</p> <p>This category area is subdivided into categories relating to peat and categories relating to aggregate minerals because the impacts relating to these activities differ.</p> <p>The extraction of peat resources has the potential for causing environmental impacts relating to land use, air quality, water quality, mining and drainage. Peat mining activities tended to be of small scale and for the purpose of marketing the peat as a horticultural product or as a briquet fuel. Peat mining was expected to be extremely controversial if proposals developed to utilize the resource for other energy uses. Data based on actual development of these resources on a broad scale is limited. The threshold levels of 160 acres for a mandatory EAW and 320 acres for a mandatory EIS coincided with Department of Natural Resources policy as set forth in the Minnesota Permit Program Policy Recommendations. In the previous rules the 320 acre threshold for an EAW for nonmetallic resources would have applied to peat extraction.</p> <p>The extraction of aggregate resources has the potential for causing environmental impacts relating to land use, transportation, noise, air quality, water quality and vibrations. Proposed activities are frequently in or near populated areas and therefore tend to be controversial. The threshold levels of 40 acres to a ten foot depth for a mandatory EAW and 160 acres to a ten foot depth for a mandatory EIS were developed pursuant to the public participation process and on the basis of the history of environmental review for these activities. A previous rule was not specific as to the degree of mining required to trigger the threshold. If a lesser area is actually developed, the entire parcel of land would still be included in the measurement. Petitions have been received for environmental review on facilities as low as 10 acres.</p> <p><u>pages 42 and 52 of 2007 SONAR:</u> The clauses for projects in shoreland areas were added in 2007 due to concern over lakeshore development. (See Subp. 19a.)</p>	<p>Local government: -Comprehensive plan amend if the community has a plan. -Rezoning if the community has zoning. -Subdivision/platting approval. -Conditional Use Permit or a local mining permit. -Site plan approval. -Grading/drainage/erosion control plan. -Wetlands mitigation plan. -Road access permit on local road. -Building permits for structures.</p> <p>State: -Water appropriation permit -Permit to mine (Reclamation permit) -Land lease -NPDES/SDS permit -Clean Water Act 401 certif. -Driveway permit (Mn/DOT) if state highway.</p> <p>Federal: -Clean Water Act 404 permit (wetlands)</p>	<p>Great variation remains across local governments in expertise, sophistication, interest, and effectiveness in planning and regulatory methods.</p> <p>Judging from the enormity of the frac sand mining issue, and the number of citizen petitions regarding proposed frac sand mines received in 2012, it would be premature to alter this category now. No consensus on changes is evident.</p> <p><u>Recommendation:</u> No change to this category.</p> <hr/> <p><u>INPUT RECEIVED FROM POLITICAL SUBDIVISIONS:</u></p> <ul style="list-style-type: none"> • <i>Threshold for an EAW could be raised to something over the current 40 acres: ultimately through our conditional use permit process we rely on input from state agencies, and often there are state permits required.</i> • <i>Keep this unchanged.</i> • <i>Companies have done projects in phases with just enough years in between to avoid doing the EAW process. Category should be amended to solve this issue.</i> • <i>Keep this unchanged.</i>
<p>4410.4300 MANDATORY EAW CATEGORY. Subp. 14. Industrial, commercial, and institutional facilities. Items A and B designate the RGU for the type of project listed, except as provided in items C and D: A. For construction of a new or expansion of an existing warehousing or light industrial facility equal to or in excess of the following thresholds, expressed as gross floor space, the local governmental unit shall be the RGU: (1) unincorporated area, 150,000; (2) third or fourth class city, 300,000; (3) second class city, 450,000; (4) first class city, 600,000. B. For construction of a new or expansion of an existing industrial, commercial, or institutional facility, other than a warehousing or light industrial facility, equal to or in excess of the following thresholds, expressed as gross floor space, the local government unit shall be the RGU: (1) unincorporated area, 100,000 square feet; (2) third or fourth class city, 200,000 square feet;</p>	<p><u>page 130 OF 1982 SONAR</u> This category area is proposed because of the potential for significant impacts on water quality, air quality, solid waste generation, hazardous waste generation, transportation, land use, demographic and economic impacts on local economies. The spectrum of impacts is diverse and the regulation of the impacts varies in effectiveness with the units of government responsible. This type of project tends to be controversial, as witnessed by the number of projects previously subjected to environmental review.</p> <p>The diversity of projects precludes fine tuning of categories further. Thresholds relating to the operational size of the facility relative to the size of the local community are used. The basic theory is that the larger the facility, the greater the output and the greater the potential for local societal and environmental disruption. Square footage thresholds were set at relatively high levels (i.e., not likely to be proposed) for the EIS category and at moderate levels for the EAW category to allow discretion of the RGU in evaluating the merit of the other variables.</p> <p>The actual quantitative thresholds proposed were the subject of considerable controversy through the public meeting process used in preparation of these rules. Although these thresholds do not represent consensus, they do represent a negotiated workable threshold.</p>	<p>Local government: -Comprehensive plan amend if the community has a plan. -Rezoning if the community has zoning. -Subdivision/platting approval. -Conditional Use Permit. -Site plan approval. -Wetlands mitigation plan. -Building permits for structures.</p> <p>State: -Driveway permit (Mn/DOT) if state highway.</p> <p>Federal: -Clean Water Act 404 permit (wetlands)</p>	<p>Great variation remains across local governments in expertise, sophistication, interest, and effectiveness in planning and regulatory methods.</p> <p>The diversity of projects also continues.</p> <p>The threshold quantities were controversial in 1982 and there's little reason to believe this has changed.</p> <p><u>Recommendation:</u> Consider possible change in thresholds, but this merits very careful examination. Clarification of language may be productive for A. and B., definitely for C. and D.</p> <hr/> <p><u>INPUT RECEIVED FROM POLITICAL SUBDIVISIONS:</u></p> <ul style="list-style-type: none"> • <i>Keep this unchanged.</i>

Mandatory Categories: Local Government as RGU	Intended Historical Purpose	Example Local, State, Federal Permits, Laws, Ordinances that may (or may not) apply.	Should category be modified, eliminated, or unchanged based on relationship to existing permits or other federal/state/local laws/ordinances?
<p>(3) second class city, 300,000 square feet; (4) first class city, 400,000 square feet.</p> <p>C. This subpart applies to any industrial, commercial, or institutional project which includes multiple components, if there are mandatory categories specified in subparts 2 to 13, 16, 17, 20, 21, 23, 25, or 29, or part 4410.4400, subparts 2 to 10, 12, 13, 15, or 17, for two or more of the components, regardless of whether the project in question meets or exceeds any threshold specified in those subparts. In those cases, the entire project must be compared to the thresholds specified in items A and B to determine the need for an EAW. If the project meets or exceeds the thresholds specified in any other subpart as well as that of item A or B, the RGU must be determined as provided in part 4410.0500, subpart 1.</p> <p>D. This subpart does not apply to projects for which there is a single mandatory category specified in subparts 2 to 13, 16, 17, 20, 23, 25, 29, or 34, or part 4410.4400, subparts 2 to 10, 12, 13, 17, or 22, regardless of whether the project in question meets or exceeds any threshold specified in those subparts. In those cases, the need for an EAW must be determined by comparison of the project to the threshold specified in the applicable subpart, and the RGU must be the governmental unit assigned by that subpart.</p> <p>4410.4400 MANDATORY EIS CATEGORY.</p> <p>Subp. 11. Industrial, commercial, and institutional facilities. Items A and B designate the RGU for the type of project listed, except as provided in items C and D:</p> <p>A. For construction of a new or expansion of an existing warehousing or light industrial facility equal to or in excess of the following thresholds, expressed as gross floor space, the local governmental unit is the RGU:</p> <p>(1) unincorporated area, 375,000; (2) third or fourth class city, 750,000; (3) second class city, 1,000,000; (4) first class city, 1,500,000.</p> <p>B. For construction of a new or expansion of an existing industrial, commercial, or institutional facility, other than a warehousing or light industrial facility, equal to or in excess of the following thresholds, expressed as gross floor space, the local governmental unit shall be the RGU:</p> <p>(1) unincorporated area, 250,000 square feet; (2) third or fourth class city, 500,000 square feet; (3) second class city, 750,000 square feet; (4) first class city, 1,000,000 square feet.</p> <p>C. This subpart applies to any industrial, commercial, or institutional project which includes multiple components, if there are mandatory categories specified in subparts 2 to 10, 12, 13, 15, or 17, or part 4410.4300, subparts 2 to 13, 16, 17, 20, 21, 23, 25, or 29 for two or more of the components, regardless of whether the project in question meets or exceeds any threshold specified in those subparts. In those cases, the entire project must be compared to the thresholds specified in items A and B to determine the need for an EIS. If the project meets or exceeds the thresholds specified in any other subparts as well as those in item A or B, the RGU must be determined as provided in part 4410.0500, subpart 1.</p> <p>D. This subpart does not apply to projects for which there is a single mandatory category specified in subparts 2 to 10, 12, 13, 17, or 22, or part 4410.4300, subparts 2 to 13, 16, 17, 20, 23, 25, 29, or 34, regardless of whether the project in question meets or exceeds any threshold specified in those subparts.</p>	<p><u>pages 9 and 14 of 1986 SONAR</u>: The amendment adding C. and D. was intended to make explicit in the rules how to interpret the general mandatory categories for industrial, commercial, and institutional projects. This amendment was needed to avoid confusion about how this category should applied in two types of situations: (1) where the project consists of several components, some of which may be of types for which mandatory EAW categories have been established; and (2) where the project is of an industrial, commercial or institutional nature, but of a single specific type for which there is a mandatory EAW category.</p> <p><u>page 39 of 1988 SONAR</u>: The category was separated into two types of projects, distinguishing “warehousing or light industrial facility” from others. The rationale was that traffic generation was the greatest impact, and warehousing and light industry generated less traffic than other types of industrial, commercial, and institutional projects. Therefore, the thresholds could be higher for warehousing and light industry.</p>		<ul style="list-style-type: none"> • <i>Eliminate this category for both EAW and EIS (comprehensive plan establishes the use, local planning and project reviews are enough).</i> • <i>Use higher thresholds for all, not separate and lower thresholds for ‘other than warehouse or light industrial’.</i> • <i>Improve language to clarify whether the threshold refers to the addition only or the total square footage of the building after the addition (existing plus addition).</i>

Mandatory Categories: Local Government as RGU	Intended Historical Purpose	Example Local, State, Federal Permits, Laws, Ordinances that may (or may not) apply.	Should category be modified, eliminated, or unchanged based on relationship to existing permits or other federal/state/local laws/ordinances?
<p>In those cases, the need for an EIS or an EAW must be determined by comparison of the project to the threshold specified in the applicable subpart, and the RGU must be the governmental unit assigned by that subpart.</p>			
<p>4410.4300 MANDATORY EAW CATEGORY. Subp. 19. Residential development. An EAW is required for residential development if the total number of units that may ultimately be developed on all contiguous land owned or under an option to purchase by the proposer, except land identified by an applicable comprehensive plan, ordinance, resolution, or agreement of a local governmental unit for a future use other than residential development, equals or exceeds a threshold of this subpart. In counting the total number of ultimate units, the RGU shall include the number of units in any plans of the proposer; for land for which the proposer has not yet prepared plans, the RGU shall use as the number of units the product of the number of acres multiplied by the maximum number of units per acre allowable under the applicable zoning ordinance or, if the maximum number of units allowable per acre is not specified in an applicable zoning ordinance, by the overall average number of units per acre indicated in the plans of the proposer for those lands for which plans exist. If the total project requires review but future phases are uncertain, the RGU may review the ultimate project sequentially in accordance with part 4410.1000, subpart 4. If a project consists of mixed unattached and attached units, an EAW must be prepared if the sum of the quotient obtained by dividing the number of unattached units by the applicable unattached unit threshold, plus the quotient obtained by dividing the number of attached units by the applicable attached unit threshold, equals or exceeds one. The local governmental unit is the RGU for construction of a permanent or potentially permanent residential development of: A. 50 or more unattached or 75 or more attached units in an unsewered unincorporated area or 100 unattached units or 150 attached units in a sewerer unincorporated area; B. 100 unattached units or 150 attached units in a city that does not meet the conditions of item D; C. 100 unattached units or 150 attached units in a city meeting the conditions of item D if the project is not consistent with the adopted comprehensive plan; or D. 250 unattached units or 375 attached units in a city within the seven-county Twin Cities metropolitan area that has adopted a comprehensive plan under Minnesota Statutes, section 473.859, or in a city not located within the seven-county Twin Cities metropolitan area that has filed with the EQB chair a certification that it has adopted a comprehensive plan containing the following elements: (1) a land use plan designating the existing and proposed location, intensity, and extent of use of land and water for residential, industrial, agricultural, and other public and private purposes; (2) a transportation plan describing, designating, and scheduling the location, extent, function, and capacity of existing and proposed local public and private transportation facilities and services; (3) a sewage collection system policy plan describing, designating, and scheduling the areas to be served by the public system, the existing and planned capacities of the public system, and the standards and conditions under which the installation of private sewage treatment systems will be permitted; (4) a capital improvements plan for public facilities; and</p>	<p><u>page 141 OF 1982 SONAR:</u> This category area is proposed because of the potential for significant impacts on land use, demographic and economic impacts on local economies, transportation facilities, wildlife habitat and water quality. Additional concerns are generated because of increased potential for secondary development fostered by increased population and human activity. The spectrum of impacts is diverse and the regulation of the impacts varies in effectiveness with the units of government responsible. This type of project tends to be controversial, as witnessed by the number of projects previously subjected to environmental review. The diversity of projects precludes fine tuning of categories further. Thresholds relating the number of residential dwellings to the size of the local community were used. This measure was used because larger communities are more likely to be able to provide social and economic services to accommodate a greater population increase; therefore, the societal and environmental disruption per capita increase is likely to be lower. Thresholds were set at relatively high levels (i.e., not likely to be proposed) for the EIS categories and at moderate levels for the EAW categories to allow discretion by the RGU in evaluating the merit of all variables. The 1982 SONAR included separate thresholds for projects in shoreland, floodplain, or wild and scenic river areas if the community had not adopted ordinances for those areas. The category for developments near water resources was further tied to whether or not the local governmental unit has complied with existing regulations. Those that have are presumed to have incorporated adequate environmental protection measure and are therefore subject to the same threshold as developments in upland areas. Those that have not are subject to more stringent thresholds. In actual application developments in shoreland areas are most likely to be involved. All Minnesota counties have adopted shoreland ordinances; therefore, all developments in unincorporated areas actually would have the same measure applied. Approximately 50 of Minnesota’s approximately 850 cities have adopted shoreland ordinances. Approximately 150 more cities will have adopted ordinances within the next biennium. This schedule will cover almost all cities likely to have proposed developments of sizes exceeding this threshold. Communities that feel they may be adversely impacted may develop ordinances ahead of the DNR schedule. Therefore, the use of this measurement for developments near water resources is projected to have relatively minimal long range impact in relation to the number of projects subject to environmental review. The actual quantitative thresholds proposed were the subject of considerable controversy through the public meeting process used in preparation of these rules. Although these thresholds do not represent consensus, they do represent a negotiated workable threshold. <u>pages 47 and 63 of 1988 SONAR:</u> Added the beginning passage to avoid circumvention of the rules by segmenting of larger projects into smaller increments. Means of addressing mixed residential projects (attached and unattached units in one project) also are added. In addition, the rule was amended to raise the thresholds for cities with approved comprehensive plans. The existence of comprehensive plans, which anticipate development and allow a city to plan for it, increases a city’s capacity to absorb growth without serious environmental or social disruption. Also added that when a project crosses the mandatory EIS threshold, an initial stage up to ten percent of the project could be reviewed with an EAW. This was intended to recognize the uncertainty of the ultimate size of a project, and that it may be unreasonable to delay it all for the length of time</p>	<p>Local government: -Comprehensive plan amend if the community has a plan. -Rezoning if the community has zoning. -Subdivision/platting approval. -Conditional Use Permit. -Site plan approval. -Wetlands mitigation plan. -Building permits for structures. State: -Driveway permit (Mn/DOT) if state highway. Federal: -Clean Water Act 404 permit (wetlands)</p>	<p>Great variation remains across local governments in expertise, sophistication, interest, and effectiveness in planning and regulatory methods. The diversity of projects also continues. The threshold quantities were controversial in 1982 and they continue to be. However, in communities with expertise and extensive planning experience, the thresholds are worth examining. <u>Recommendation:</u> Consider possible change in thresholds in larger cities with comprehensive and environmental planning expertise, but this merits very careful examination because of the variation in expertise among local governments. INPUT RECEIVED FROM POLITICAL SUBDIVISIONS: <ul style="list-style-type: none"> • <i>Number of units in unsewered unincorporated area could be increased, perhaps 100 for EAW.</i> • <i>(though have not done EAW or EIS for residential) have had a couple residential developments approach the current thresholds: based on working through those projects, I am comfortable with current thresholds</i> • <i>Although a good exercise for review, I don’t think other agencies pay much attention to this category for all the work put into it.</i> • <i>Threshold of 50 lots is too low to bother with.</i> • <i>Eliminate this category for both EAW and EIS (comprehensive plan establishes the use, local planning and project reviews are enough).</i> • <i>For EIS category, change to 250+ units in unsewered unincorporated area.</i> • <i>Clarify language regarding C. and D. What triggers the EAW: when development plan is submitted or when Comprehensive Plan amendment application is submitted? If Comprehensive Plan amendment submitted and approved, then project is consistent, thus avoiding the lower threshold. Is this the intent?</i> </p>

Mandatory Categories: Local Government as RGU	Intended Historical Purpose	Example Local, State, Federal Permits, Laws, Ordinances that may (or may not) apply.	Should category be modified, eliminated, or unchanged based on relationship to existing permits or other federal/state/local laws/ordinances?
<p>(5) an implementation plan describing public programs, fiscal devices, and other actions to be undertaken to implement the comprehensive plan, and a description of official controls addressing the matters of zoning, subdivision, private sewage systems, and a schedule for the implementation of those controls. The EQB chair may specify the form to be used for making a certification under this item.</p>	<p>needed for an EIS.</p>		
<p>4410.4400 MANDATORY EIS CATEGORY.</p> <p>Subp. 14. Residential development. An EIS is required for residential development if the total number of units that the proposer may ultimately develop on all contiguous land owned by the proposer or for which the proposer has an option to purchase, except land identified by an applicable comprehensive plan, ordinance, resolution, or agreement of a local governmental unit for a future use other than residential development, equals or exceeds a threshold of this subpart. In counting the total number of ultimate units, the RGU shall include the number of units in any plans of the proposer; for land for which the proposer has not yet prepared plans, the RGU shall use as the number of units the product of the number of acres multiplied by the maximum number of units per acre allowable under the applicable zoning ordinance, or if the maximum number of units allowable per acre is not specified in an applicable zoning ordinance, by the overall average number of units per acre indicated in the plans of the proposer for those lands for which plans exist. If the total project requires review but future phases are uncertain, the RGU may review the ultimate project sequentially in accordance with part 4410.2000, subpart 4. The RGU may review an initial stage of the project, that may not exceed ten percent of the applicable EIS threshold, by means of the procedures of parts 4410.1200 to 4410.1700 instead of the procedures of parts 4410.2000 to 4410.2800. If the RGU determines that this stage requires preparation of an EIS under part 4410.1700, it may be reviewed through a separate EIS or through an EIS that also covers later stages of the project. If a project consists of mixed unattached and attached units, an EIS must be prepared if the sum of the quotient obtained by dividing the number of unattached units by the applicable unattached unit threshold, plus the quotient obtained by dividing the number of attached units by the applicable attached unit threshold, equals or exceeds one. The local governmental unit is the RGU for construction of a permanent or potentially permanent residential development of:</p> <p>A. 100 or more unattached or 150 or more attached units in an unsewered unincorporated area or 400 unattached units or 600 attached units in a sewerer unincorporated area;</p> <p>B. 400 unattached units or 600 attached units in a city that does not meet the conditions of item D;</p> <p>C. 400 unattached units or 600 attached units in a city meeting the conditions of item D if the project is not consistent with the adopted comprehensive plan; or</p> <p>D. 1,000 unattached units or 1,500 attached units in a city within the seven-county Twin Cities metropolitan area that has adopted a comprehensive plan under Minnesota Statutes, section 473.859, or in a city not located within the seven-county Twin Cities metropolitan area that has filed with the EQB chair a certification that it has adopted a comprehensive plan containing the following elements:</p> <p>(1) a land use plan designating the existing and proposed location, intensity, and extent of use of land and water for residential, industrial, agricultural, and other public and private purposes;</p> <p>(2) a transportation plan describing, designating, and</p>			

Mandatory Categories: Local Government as RGU	Intended Historical Purpose	Example Local, State, Federal Permits, Laws, Ordinances that may (or may not) apply.	Should category be modified, eliminated, or unchanged based on relationship to existing permits or other federal/state/local laws/ordinances?
<p>scheduling the location, extent, function, and capacity of existing and proposed local public and private transportation facilities and services;</p> <p>(3) a sewage collection system policy plan describing, designating, and scheduling the areas to be served by the public system, the existing and planned capacities of the public system, and the standards and conditions under which the installation of private sewage treatment systems will be permitted;</p> <p>(4) a capital improvements plan for public facilities; and</p> <p>(5) an implementation plan describing public programs, fiscal devices, and other actions to be undertaken to implement the comprehensive plan, and a description of official controls addressing the matters of zoning, subdivision, private sewage systems, and a schedule for the implementation of the controls. The EQB chair may specify the form to be used for making a certification under this item.</p>			
<p>4410.4300 MANDATORY EAW CATEGORY.</p> <p>Subp. 19a. Residential development in shoreland outside of the seven-county Twin Cities metropolitan area.</p> <p>A. The local governmental unit is the RGU for construction of a permanent or potentially permanent residential development located wholly or partially in shoreland outside the seven-county Twin Cities metropolitan area of a type listed in items B to E. For purposes of this subpart, "riparian unit" means a unit in a development that abuts a public water or, in the case of a development where units are not allowed to abut the public water, is located in the first tier of the development as provided under part 6120.3800, subpart 4, item A. If a project is located partially in a sensitive shoreland area and partially in nonsensitive shoreland areas, an EAW must be prepared if the sum of the quotient obtained by dividing the number of units in the sensitive shoreland area by the applicable sensitive shoreland area threshold, plus the quotient obtained by dividing the number of units in nonsensitive shoreland areas by the applicable nonsensitive shoreland area threshold, equals or exceeds one. If a project is located partially in shoreland and partially not in shoreland, an EAW must be prepared if the sum of the quotients obtained by dividing the number of units in each type of area by the applicable threshold for each area equals or exceeds one.</p> <p>B. A development containing 15 or more unattached or attached units for a sensitive shoreland area or 25 or more unattached or attached units for a nonsensitive shoreland area, if any of the following conditions is present:</p> <p>(1) less than 50 percent of the area in shoreland is common open space;</p> <p>(2) the number of riparian units exceeds by at least 15 percent the number of riparian lots that would be allowable calculated according to the applicable lot area and width standards for riparian unsewered single lots under part 6120.3300, subparts 2a and 2b; or</p> <p>(3) if any portion of the project is in an unincorporated area, the number of nonriparian units in shoreland exceeds by at least 15 percent the number of lots that would be allowable on the parcel calculated according to the applicable lot area standards for nonriparian unsewered single lots under part 6120.3300, subparts 2a and 2b.</p> <p>C. A development containing 25 or more unattached or attached units for a sensitive shoreland area or 50 or more unattached or attached units for a nonsensitive shoreland area, if none of the conditions listed in item B is present.</p> <p>D. A development in a sensitive shoreland area that provides permanent mooring space for at least one nonriparian unattached or attached unit.</p> <p>E. A development containing at least one unattached or attached</p>	<p>pages 39 and 43 and 52 of 2007 SONAR: Major impetus was significant change in pattern of lakeshore development: conversion of seasonal cabins into year-round homes, size of new homes, and increasing density of new projects. Shoreland areas once less desirable or difficult to develop being proposed for development often are low-lying and marshy, with shallow water offshore and beds of aquatic vegetation, features that make the areas important to the lake ecology. The number of citizen petitions for lakeshore development was increasing. There was widespread concern about the consequences of poor development on water quality and fish and wildlife habitat caused by poorly functioning onsite septic systems and increased impervious surface runoff that negatively affected water quality. These factors led to the recognition that existing mandatory review categories may not be adequate for the changing conditions.</p> <p>The category does not apply within the Twin City Metro because questions arose whether the common open space and unit density criteria were appropriate to projects located in urbanized areas. (p. 28 of ALJ report May 7, 2009)</p>	<p>Local government:</p> <ul style="list-style-type: none"> -Comprehensive plan amend if the community has a plan. -Rezoning if the community has zoning. -Subdivision/platting approval. -Conditional Use Permit. -Site plan approval. -Grading/drainage/erosion control plan. -Wetlands mitigation plan. -Road access permit on local road. -Building permits for structures. <p>State: -Driveway permit (Mn/DOT) if state highway.</p> <p>Federal: -Clean Water Act 404 permit (wetlands)</p>	<p>This category was among those specifically created in 2007. Little has changed since then that would merit revisiting this category.</p> <p>Recommendation: No change to this category.</p> <hr/> <p><i>INPUT RECEIVED FROM POLITICAL SUBDIVISIONS:</i></p> <ul style="list-style-type: none"> · <i>Thresholds are appropriate in shoreland or sensitive area.</i> · <i>Eliminate this category (for both EAW and EIS).</i>

Mandatory Categories: Local Government as RGU	Intended Historical Purpose	Example Local, State, Federal Permits, Laws, Ordinances that may (or may not) apply.	Should category be modified, eliminated, or unchanged based on relationship to existing permits or other federal/state/local laws/ordinances?
<p>unit created by the conversion of a resort, motel, hotel, recreational vehicle park, or campground, if either of the following conditions is present:</p> <p>(1) the number of nonriparian units in shoreland exceeds by at least 15 percent the number of lots that would be allowable on the parcel calculated according to the applicable lot area standards for nonriparian unsewered single lots under part 6120.3300, subparts 2a and 2b; or</p> <p>(2) the number of riparian units exceeds by at least 15 percent the number of riparian lots that would be allowable calculated according to the applicable lot area and width standards for riparian unsewered single lots under part 6120.3300, subparts 2a and 2b.</p> <p>F. An EAW is required for residential development if the total number of units that may ultimately be developed on all contiguous land owned or under an option to purchase by the proposer, except land identified by an applicable comprehensive plan, ordinance, resolution, or agreement of a local governmental unit for a future use other than residential development, equals or exceeds a threshold of this subpart. In counting the total number of ultimate units, the RGU shall include the number of units in any plans of the proposer. For land for which the proposer has not yet prepared plans, the RGU shall use as the number of units the number of acres multiplied by the maximum number of units per acre allowable under the applicable zoning ordinance or, if the maximum number of units allowable per acre is not specified in an applicable zoning ordinance, by the overall average</p>			
<p>4410.4400 MANDATORY EIS CATEGORY.</p> <p>Subp. 14a. Residential development in shoreland outside of the seven-county Twin Cities metropolitan area.</p> <p>A. The local governmental unit is the RGU for construction of a permanent or potentially permanent residential development located wholly or partially in shoreland outside the seven-county Twin Cities metropolitan area of a type listed in items B to D. For purposes of this subpart, "riparian unit" means a unit in a development that abuts a public water or, in the case of a development where units are not allowed to abut the public water, is located in the first tier of the development as provided under part 6120.3800, subpart 4, item A. If a project is located partially in a sensitive shoreland area and partially in nonsensitive shoreland areas, an EIS must be prepared if the sum of the quotient obtained by dividing the number of units in the sensitive shoreland area by the applicable sensitive shoreland area threshold, plus the quotient obtained by dividing the number of units in nonsensitive shoreland areas by the applicable nonsensitive shoreland area threshold, equals or exceeds one. If a project is located partially in shoreland and partially not in shoreland, an EIS must be prepared if the sum of the quotients obtained by dividing the number of units in each type of area by the applicable threshold for each area equals or exceeds one.</p> <p>B. A development containing 50 or more unattached or attached units for a sensitive shoreland area or 100 or more unattached or attached units for a nonsensitive shoreland area, if any of the following conditions is present:</p> <p>(1) less than 50 percent of the area in shoreland is common open space;</p> <p>(2) the number of riparian units exceeds by at least 15 percent the number of riparian lots that would be allowable calculated according to the applicable lot area and width standards for riparian unsewered single lots under part 6120.3300, subparts 2a and 2b; or</p> <p>(3) any portion of the project is in an unincorporated area.</p>			

Mandatory Categories: Local Government as RGU	Intended Historical Purpose	Example Local, State, Federal Permits, Laws, Ordinances that may (or may not) apply.	Should category be modified, eliminated, or unchanged based on relationship to existing permits or other federal/state/local laws/ordinances?
<p>C. A development of 100 or more unattached or attached units for a sensitive shoreland area or 200 or more unattached or attached units for a nonsensitive shoreland area, if none of the conditions listed in item B is present.</p> <p>D. A development creating 20 or more unattached or attached units for a sensitive shoreland area or 40 or more unattached or attached units for a nonsensitive shoreland area by the conversion of a resort, motel, hotel, recreational vehicle park, or campground, if either of the following conditions is present:</p> <p>(1) the number of nonriparian units in shoreland exceeds by at least 15 percent the number of lots that would be allowable on the parcel calculated according to the applicable lot area and width standards for nonriparian unsewered single lots under part 6120.3300, subparts 2a and 2b; or</p> <p>(2) the number of riparian units exceeds by at least 15 percent the number of riparian lots that would be allowable calculated according to the applicable lot area and width standards for riparian unsewered single lots under part 6120.3300, subparts 2a and 2b.</p> <p>E. An EIS is required for residential development if the total number of units that the proposer may ultimately develop on all contiguous land owned by the proposer or for which the proposer has an option to purchase, except land identified by an applicable comprehensive plan, ordinance, resolution, or agreement of a local governmental unit for a future use other than residential development, equals or exceeds a threshold of this subpart. In counting the total number of ultimate units, the RGU shall include the number of units in any plans of the proposer. For land for which the proposer has not yet prepared plans, the RGU shall use as the number of units the number of acres multiplied by the maximum number of units per acre allowable under the applicable zoning ordinance or, if the maximum number of units allowable per acre is not specified in an applicable zoning ordinance, by the overall average number of units per acre indicated in the plans of the proposer for those lands for which plans exist.</p>			
<p>4410.4300 MANDATORY EAW CATEGORY.</p> <p>Subp. 20. Campgrounds and RV parks. For construction of a seasonal or permanent recreational development, accessible by vehicle, consisting of 50 or more sites, or the expansion of such a facility by 50 or more sites, the local government unit shall be the RGU.</p>	<p><u>page 144 of 1982 SONAR:</u> Category Area: Recreational Development This category is proposed because recreational developments are typically proposed adjacent to areas with significant natural resources. Such development may significantly human activity in sensitive areas. These developments often are very controversial locally and may have significant impacts on local land use. The threshold measure as proposed is designed to exclude wilderness camps accessible only by foot, canoe or plane: facilities usually not located in areas where local controversy is likely. The 50 unit threshold was developed through the public meeting process. It corresponds to the threshold in the current rules for recreational developments in sensitive areas (see next subp.) The alternative of a higher threshold for developments that are not located in shoreland areas, flood plain areas, and wild and scenic river areas was considered but rejected at the request of- representatives of local governmental unit. This alternative was rejected because of the likelihood of local controversy regardless of the proximity to water resources. Projects of this nature may be proposed to facilitate hunting, snowmobiling, hiking, horseback riding, bike riding, etc. These activities may have significant impacts on local land use for the EAW categories to allow discretion by the RGU in evaluating the merit of all variables.</p> <p><u>PAGE 19 of 1997 SONAR:</u> Caption changed to recognize the specific types of development intend for inclusion in the category. Added "expansion" language to recognize that, given the high natural resource values generally present where these facilities are located, expansion has the same potential for environmental impacts as original construction.</p>	<p>Local government:</p> <ul style="list-style-type: none"> -Comprehensive plan amend if the community has a plan. -Rezoning if the community has zoning. -Subdivision/platting approval. -Conditional Use Permit. -Site plan approval. -Grading/drainage/erosion control plan. -Wetlands mitigation plan. -Road access permit on local road. -Building permits for structures. <p>State:</p> <ul style="list-style-type: none"> -Water appropriation permit. -Driveway permit (Mn/DOT) if state highway. <p>Federal: -Clean Water Act 404 permit (wetlands).</p>	<p>Original reasoning still stands.</p> <p>Great variation remains across local governments in expertise, sophistication, interest, and effectiveness in planning and regulatory methods.</p> <p><u>Recommendation:</u> No change to this category.</p> <hr/> <p><i>INPUT RECEIVED FROM POLITICAL SUBDIVISIONS:</i></p> <ul style="list-style-type: none"> • <i>Keep this unchanged. Although this type of project would probably require a Conditional Use Permit from the local authority, it is not the type of use a local government unit deals with on a regular basis. It presents many different issues not normally dealt with the by local government.</i> • <i>Change threshold to 100 for construction and 100 for expansion.</i>

Mandatory Categories: Local Government as RGU	Intended Historical Purpose	Example Local, State, Federal Permits, Laws, Ordinances that may (or may not) apply.	Should category be modified, eliminated, or unchanged based on relationship to existing permits or other federal/state/local laws/ordinances?
<p>4410.4300 MANDATORY EAW CATEGORY. Subp. 20a. Resorts, campgrounds, and RV parks in shorelands. The local government unit is the RGU for construction or expansion of a resort or other seasonal or permanent recreational development located wholly or partially in shoreland, accessible by vehicle, of a type listed in item A or B: A. construction or addition of 25 or more units or sites in a sensitive shoreland area or 50 units or sites in a nonsensitive shoreland area if at least 50 percent of the area in shoreland is common open space; or B. construction or addition of 15 or more units or sites in a sensitive shoreland area or 25 or more units or sites in a nonsensitive shoreland area, if less than 50 percent of the area in shoreland is common open space. If a project is located partially in a sensitive shoreland area and partially in nonsensitive shoreland areas, an EAW must be prepared if the sum of the quotient obtained by dividing the number of units in the sensitive shoreland area by the applicable sensitive shoreland area threshold, plus the quotient obtained by dividing the number of units in nonsensitive shoreland areas by the applicable nonsensitive shoreland area threshold, equals or exceeds one. If a project is located partially in shoreland and partially not in shoreland, an EAW must be prepared if the sum of the quotients obtained by dividing the number of units in each type of area by the applicable threshold for each area equals or exceeds one.</p>	<p>pages 49 and 55 of 2007 SONAR: This new category was created to parallel Subp. 20 but incorporate the concerns regarding shoreland development as described for Subp. 19a.</p> <p><i>Note: Page 144 of 1982 SONAR includes the following: "DISCUSSION: Under the current rules, the following category is directly relevant to the recreational development category area: Mandatory EAW – 6 MCAR§ 3.024 Construction of a development consisting of "condominium type" campgrounds, mobile home parks, or other semi-permanent residential and/or recreational facilities, any part of which is within a shoreland area (as defined by Minn. Stat. § 105.485 (1974) for floodplain (as defined by the "Statewide Standards and Criteria for Management of Floodplain Areas of Minnesota" exceeding a total of 50 units or, if located in areas other than the above, exceeding a total of 100 units – (Local);"</i></p>	<p>Local government: -Comprehensive plan amend if the community has a plan. -Rezoning if the community has zoning. -Subdivision/platting approval. -Conditional Use Permit. -Site plan approval. -Grading/drainage/erosion control plan. -Wetlands mitigation plan. -Road access permit on local road. -Building permits for structures.</p> <p>State: -Water appropriation permit. -Driveway permit (Mn/DOT) if state highway.</p> <p>Federal: -Clean Water Act 404 permit (wetlands).</p>	<p>This category was among those specifically created in 2007. Little has changed since then that would merit revisiting this category.</p> <p>Great variation remains across local governments in expertise, sophistication, interest, and effectiveness in planning and regulatory methods.</p> <p><u>Recommendation:</u> No change to this category.</p> <div style="border: 1px solid black; padding: 5px;"> <p>INPUT RECEIVED FROM POLITICAL SUBDIVISIONS:</p> <ul style="list-style-type: none"> • <i>Keep this unchanged. Although this type of project would probably require a Conditional Use Permit from the local authority, it is not the type of use a local government unit deals with on a regular basis. It presents many different issues not normally dealt with the by local government.</i> • <i>Eliminate this category (for both EAW and EIS).</i> </div>
<p>4410.4400 MANDATORY EIS CATEGORY. Subp. 26. Resorts, campgrounds, and RV parks in shorelands. For construction or expansion of a resort or other seasonal or permanent recreational development located wholly or partially in shoreland, accessible by vehicle, adding 100 or more units or sites in a sensitive shoreland area or 200 or more units or sites in a nonsensitive shoreland area, the local governmental unit is the RGU. If a project is located partially in a sensitive shoreland area and partially in nonsensitive shoreland areas, an EIS must be prepared if the sum of the quotient obtained by dividing the number of units in the sensitive shoreland area by the applicable sensitive shoreland area threshold, plus the quotient obtained by dividing the number of units in nonsensitive shoreland areas by the applicable nonsensitive shoreland area threshold, equals or exceeds one. If a project is located partially in shoreland and partially not in shoreland, an EIS must be prepared if the sum of the quotients obtained by dividing the number of units in each type of area by the applicable threshold for each area equals or exceeds one.</p>			
<p>4410.4300 MANDATORY EAW CATEGORY. Subp. 21. Airport projects. Items A and B designate the RGU for the type of project listed: A. For construction of a paved, new airport runway, the DOT, local governmental unit, or the Metropolitan Airports Commission shall be the RGU. B. For construction of a runway extension that would upgrade an existing airport runway to permit usage by aircraft over 12,500 pounds that are at least three decibels louder than aircraft currently using the runway, the DOT, local governmental unit, or the Metropolitan Airports Commission shall be the RGU. The RGU shall be selected according to part 4410.0500, subpart 5.</p>	<p>page 145 of 1982 SONAR: This category area is proposed because of the potential for significant impacts related to local and regional land use, local economic and demographic issues, transportation, noise, air quality, and energy. New facilities and expansion of existing facilities to accommodate noisier aircraft are likely to be very controversial. The EAW threshold for a new airport runway in the "key system" existed in the previous rule. The basic qualitative measure applied to these categories is that airports able to accommodate jet aircraft have greatest potential to create significant environmental impacts. Facilities to accommodate jet aircraft must include a runway of 5,000 length or greater. The construction of a new facility to accommodate jet air traffic is proposed as a mandatory EIS threshold. The more likely case is that an existing facility would be expanded from a strictly small aircraft facility to a jet aircraft facility. Similar concerns could arise with runway modifications to allow use by larger jet facilities. Such potential expansion is addressed as a mandatory EAW with the need for an EIS discretionary. The 12,500 pound aircraft weight corresponds to a minimal weight for jet aircraft. The three decibel increase corresponds to a noise increase 1000 times the prior noise level.</p>	<p>Local government: -Site plan approval. -Grading/drainage/erosion control plan. -Wetlands mitigation plan.</p> <p>State: See MnDOT analysis of this category in Appendix B.</p> <p>Federal: See MnDOT analysis of this category in Appendix B.</p>	<p>See MnDOT analysis of these categories in Appendix B.</p> <div style="border: 1px solid black; padding: 5px;"> <p>INPUT RECEIVED FROM POLITICAL SUBDIVISIONS:</p> <ul style="list-style-type: none"> • <i>Keep this unchanged: a use that could have potential impacts.</i> • <i>Keep this unchanged.</i> </div>
<p>4410.4400 MANDATORY EIS CATEGORY. Subp. 15. Airport runway projects. For construction of a paved and lighted airport runway of 5,000 feet of length or greater, the DOT or local governmental unit shall be the RGU.</p>	<p>Construction of new facilities for multi-engine, twin engine and single engine aircraft and</p>		

Mandatory Categories: Local Government as RGU	Intended Historical Purpose	Example Local, State, Federal Permits, Laws, Ordinances that may (or may not) apply.	Should category be modified, eliminated, or unchanged based on relationship to existing permits or other federal/state/local laws/ordinances?
	<p>expansion of these facilities to less than jet aircraft capacity is subject to environmental review on a discretionary basis. The proposed EIS category corresponds to the current EAW threshold. Minnesota has 18 key system airports. Key system airports are airports capable of handling jet aircraft. Minnesota has 73 intermediate system airports (light to medium sized multi-engine aircraft) and 50 landing strip system airports (single and twin engine aircraft).</p> <p><u>page 19 of 1997 SONAR</u>: In 1997, the rule was amended to require an EAW for all new airport runways.</p>		
<p>4410.4300 MANDATORY EAW CATEGORY. Subp. 22. Highway projects. Items A to C designate the RGU for the type of project listed: A. For construction of a road on a new location over one mile in length that will function as a collector roadway, the DOT or local government unit shall be the RGU. B. For construction of additional travel lanes on an existing road for a length of one or more miles, the DOT or local government unit shall be the RGU. C. For the addition of one or more new interchanges to a completed limited access highway, the DOT or local government unit shall be the RGU.</p>	<p><u>page 146 of 1982 SONAR</u>: This category area is proposed because of the potential for significant impacts related to local and regional land use, local economic and demographic issues, transportation, noise, air quality, energy, water quality, erosion, drainage, water resources, habitat destruction, and construction impacts. New facilities and the expansion of existing facilities to accommodate increased traffic are likely to be very controversial. Although the cumulative impact of local roadways is greatest, primary concern is generated by the construction of arterial and collector roadways because they tend to induce secondary development in the area and they accommodate approximately 85% of the total mileage driven by motorists. Arterial roadways are commonly four or more lanes in width. The EIS category at uses this as a qualitative threshold.</p>	<p><u>Local government</u>: -Grading/drainage/erosion control plan. -Wetlands mitigation plan. -Subdivision/platting approval.</p> <p><u>State</u>: See MnDOT analysis of this category in Appendix B.</p> <p><u>Federal</u>: See MnDOT analysis of this category in Appendix B.</p>	<p>See MnDOT analysis of these categories in Appendix B.</p> <p><i>INPUT RECEIVED FROM POLITICAL SUBDIVISIONS:</i></p> <ul style="list-style-type: none"> Eliminate this category for both EAW and EIS. Local comprehensive plans and Metropolitan Council transportation planning anticipates traffic and land use impacts.
<p>4410.4400 MANDATORY EIS CATEGORY. Subp. 16. Highway projects. For construction of a road on a new location which is four or more lanes in width and two or more miles in length, the DOT or local government unit shall be the RGU.</p>			
<p>4410.4300 MANDATORY EAW CATEGORY. Subp. 23. Barge fleeting. For construction of a new or expansion of an existing barge fleeting facility, the DOT or port authority shall be the RGU.</p>	<p><u>page 149 of 1982 SONAR</u>: This category is proposed because of the potential for significant environmental impacts related to water quality, sedimentation and erosion, recreational use of water resources, commercial transportation, habitat deterioration, and adjacent land use. No single agency is responsible for coordinated programming of proposed activities, therefore, environmental review is necessary. Under the current rules there are no mandatory EAW or exemption categories directly relevant to the barge fleeting category area. Regulation of barge fleeting is not focused with any central agency. Local government comprehensive plans typically do not address the problems and needs of a commercial barge navigation system. Primary problems associated with the environmental impacts center on the effects of dredging and spoil disposal on water quality and habitat disruption for wildlife populations.</p>	<p><u>Local government</u>: Site Plan Approval. Possible subdivision/platting review, grading permit, building permit for structures, or conditional use permits (operator facilities)</p>	<p>See MnDOT analysis of these categories in Appendix B.</p>
<p>4410.4400 MANDATORY EIS CATEGORY. Subp. 17. Barge fleeting facilities. For construction of a barge fleeting facility at a new off-channel location that involves the dredging of 1,000 or more cubic yards, the DOT or port authority shall be the RGU.</p>	<p>The EAW category sets forth an all or none threshold relating to the construction or expansion of the capacity of facilities at either on channel or off-channel locations. Dredging for the purpose of maintaining existing capacity would not be included in this category. The all or none threshold is reasonable to facilitate coordination between governmental units involved and to address the impacts related to disturbance of the habitat and operation of the facility in addition to potential dredging impacts.</p> <p>The threshold used for the EIS category centers on off-channel facilities at new locations which entail controversial siting and land use issues. A minimum dredge threshold was set to allow minor or temporary facilities. The threshold was established as a reasonable cut-off pursuant to the public meeting process.</p> <p>No exemptions for this category: coordination between governmental units is needed, and adequate site specific information is usually lacking.</p>	<p><u>State</u>: See MnDOT analysis of this category in Appendix B.</p> <p><u>Federal</u>: See MnDOT analysis of this category in Appendix B.</p>	

Mandatory Categories: Local Government as RGU	Intended Historical Purpose	Example Local, State, Federal Permits, Laws, Ordinances that may (or may not) apply.	Should category be modified, eliminated, or unchanged based on relationship to existing permits or other federal/state/local laws/ordinances?
<p>4410.4300 MANDATORY EAW CATEGORY. Subp. 25. Marinas. For construction or expansion of a marina or harbor that results in a 20,000 or more square foot total or a 20,000 or more square foot increase of water surface area used temporarily or permanently for docks, docking, or maneuvering of watercraft, the local government unit shall be the RGU.</p>	<p><u>page 151 of 1982 SONAR:</u> This category area is proposed because of the potential for significant impacts related to water quality, air quality, noise, wildlife habitat, aesthetics, and the use of public resources. The qualitative measure of the thresholds applied to the EAW category is the area of water surface occupied by the facility. This measure most appropriately reflects the total potential for impacts from the facility. The quantitative threshold proposed corresponds to approximately one half acre. Such a facility would accommodate approximately 80 boats. The proposed category is the same as the current rules. This threshold has proven to be reasonable for defining major facilities. Marinas may be constructed in wild and scenic river areas. However, because of the unique character of these areas, the areas are generally inappropriate for marinas. Under the current rules, requests for EISs on marinas have mostly been confined to wild and scenic river systems.</p>	<p>Local government: -Comprehensive plan amend if community has a plan. -Rezoning if the community has zoning. -Subdivision/platting approval. -Conditional Use Permit. -Site plan approval. -Grading/drainage/erosion control plan. -Wetlands mitigation plan. -Road access permit on local road. -Building permits for structures.</p> <p><u>State:</u> work in public waters</p>	<p><u>Recommendation:</u> No change to this category.</p> <p><i>INPUT RECEIVED FROM POLITICAL SUBDIVISIONS:</i> • <i>Change threshold to eliminate “results in 20,000 sf total” and only include <u>adding</u> an additional 20,000 sf.</i></p>
<p>4410.4300 MANDATORY EAW CATEGORY. Subp. 26. Stream diversion. For a diversion, realignment, or channelization of any designated trout stream, or affecting greater than 500 feet of natural watercourse with a total drainage area of ten or more square miles unless exempted by part 4410.4600, subpart 14, item E, or 17, the local government unit shall be the RGU.</p>	<p><u>page 152 of 1982 SONAR:</u> This category area is proposed because the alteration of watercourses affects flooding in downstream and adjacent areas, wildlife habitat, fisheries resources, water quality, and area land use. The traditional analysis of flood control and drainage projects usually does not consider broad and long range environmental implications. Environmental review will facilitate a more comprehensive analysis. The qualitative measure applied to the EAW category is restricted to trout streams and natural watercourses because they have significant habitat, recreational, and resource values. Alteration of these watercourses may significantly impact natural drainage. A ten square mile quantitative threshold is applied to make the category administratively feasible and because minor diversion of headwaters watercourses is likely to have minimal flooding and habitat impacts. A ten square mile drainage area corresponds to approximately 6,400 acres.</p> <p><u>page 20 of 1997 SONAR:</u> "Realignment" is added as an activity that <i>will</i> require an EAW. Realignment often means straightening, which has a serious effect on water flows and stream habitat. The 500-foot minimum length was added so that the category would no longer apply to minor stream alterations; this minimum threshold does not apply to trout streams. Experience has 20 shown that stream diversions of less than this length generally have minimal environmental impacts and do not warrant a mandatory EAW requirement.</p>	<p>Local government: -Grading/drainage/erosion control plan. -Wetlands mitigation plan.</p> <p><u>State:</u> Work in public waters.</p> <p><u>Federal:</u> Section 404 Clean Water Act by USACOE.</p>	<p>Great variation exists across local governments regarding technical/scientific expertise for potential environmental impacts from projects of this type.</p> <p><u>Recommendation:</u> No change to this category.</p> <p><i>INPUT RECEIVED FROM POLITICAL SUBDIVISIONS:</i> • <i>DNR should be the RGU.</i></p>
<p>4410.4300 MANDATORY EAW CATEGORY. Subp. 27. Wetlands and public waters. Items A and B designate the RGU for the type of project listed: A. For projects that will change or diminish the course, current, or cross-section of one acre or more of any public water or public waters wetland except for those to be drained without a permit pursuant to Minnesota Statutes, chapter 103G, the local government unit shall be the RGU. B. For projects that will change or diminish the course, current, or cross-section of 40 percent or more or five or more acres of types 3 through 8 wetland of 2.5 acres or more, excluding public waters wetlands, if any part of the wetland is within a shoreland area, delineated flood plain, a state or federally designated wild and scenic rivers district, the Minnesota River Project Riverbend area, or the Mississippi headwaters area, the local government unit shall be the RGU.</p>	<p><u>page 153 of 1982 SONAR:</u> This category area is proposed because of the potential for significant impacts related to flood control, erosion control, water quality, wildlife habitat, recreation, and aesthetics. Impacts generated by proposals subject to this category area often are long range and are often manifested at locations removed from the area of immediate impact. Environmental review facilitates a comprehensive view of the potential impacts of these projects. An EIS is required for the elimination of a protected water or protected wetland. This is reasonable because these resources have been determined to be significant pursuant to the DNR’s inventory program. The elimination of such resources would have significant local and regional impacts. A quantitative threshold of one acre is set to require an EAW. This is reasonable because an alteration of one acre is likely to affect the total aquatic ecosystem. In addition, impacts of that size are likely to foster additional in the area. Environmental review is reasonable to reduce the possibility of piecemealing the elimination or degradation of the resource.</p>	<p>Local government: -Grading/drainage/erosion control plan. -Wetlands mitigation plan.</p> <p><u>State:</u> Work in public waters.</p> <p><u>Federal:</u> Section 404 Clean Water Act by USACOE.</p>	<p>Great variation exists across local governments regarding technical/scientific expertise for potential environmental impacts from projects of this type.</p> <p><u>Recommendation:</u> No change to this category.</p> <p><i>INPUT RECEIVED FROM POLITICAL SUBDIVISIONS:</i> • <i>Keep this unchanged: if such large areas are being impacted, EAW should be required to look at the big picture.</i> • <i>Eliminate EIS category (EAW category remains).</i></p>

Mandatory Categories: Local Government as RGU	Intended Historical Purpose	Example Local, State, Federal Permits, Laws, Ordinances that may (or may not) apply.	Should category be modified, eliminated, or unchanged based on relationship to existing permits or other federal/state/local laws/ordinances?
<p>4410.4400 MANDATORY EIS CATEGORY. Subp. 20. Wetlands and public waters. For projects that will eliminate a public water or public waters wetland, the local government unit shall be the RGU.</p>			
<p>4410.4300 MANDATORY EAW CATEGORY. Subp. 29. Animal feedlots. The PCA is the RGU for the types of projects listed in items A and B unless the county will issue the feedlot permit, in which case the county is the RGU. However, the county is not the RGU prior to January 1, 2001. A. For the construction of an animal feedlot facility with a capacity of 1,000 animal units or more or the expansion of an existing facility by 1,000 animal units or more if the facility is not in an area listed in item B. B. For the construction of an animal feedlot facility of more than 500 animal units or expansion of an existing animal feedlot facility by more than 500 animal units if the facility is located wholly or partially in any of the following sensitive locations: shoreland; a delineated flood plain, except that in the flood plain of the Red River of the North the sensitive area includes only land within 1,000 feet of the ordinary high water mark; a state or federally designated wild and scenic river district; the Minnesota River Project Riverbend area; the Mississippi headwaters area; or an area within a drinking water supply management area delineated under chapter 4720 where the aquifer is identified in the wellhead protection plan as vulnerable to contamination; or within 1,000 feet of a known sinkhole, cave, resurgent spring, disappearing spring, Karst window, blind valley, or dry valley. The provisions of part 4410.1000, subpart 4, regarding connected actions do not apply to animal feedlots. The provisions of part 4410.1000, subpart 4, regarding phased actions apply to feedlots. With the agreement of the proposers, the RGU may prepare a single EAW to collectively review individual sites of a multisite feedlot proposal.</p>	<p><u>page 156 of 1982 SONAR:</u> This category is proposed because of the potential for significant environmental impacts relating to ground and surface water quality, odors, and local land use issues. This type of activity is likely to be controversial if the location is in a sensitive area or near residential or recreational developments. Thresholds were amended in 1988. The MEPA statute (116D) was amended in 2003 to exempt feedlots from environmental review if they are under 1,000 animal units or the county holds a public hearing on the project and the project complies with MPCA permit requirements. The exemptions section in the rules was amended accordingly. The result is that few, if any, environmental reviews have local governments RGUs anymore. The MPCA is the RGU for the ones that are prepared.</p>	<p>Local government: -Conditional Use Permit. -Grading/drainage/erosion control plan. -Wetlands mitigation plan. <u>State:</u> NPDES/SDS permit, construction stormwater permit, water appropriation permit <u>Federal:</u> NPDES administered by State</p>	<p>Amendment of MEPA in 2003 eliminated most local government environmental reviews. <u>Recommendation:</u> No change to this category. <u>INPUT RECEIVED FROM POLITICAL SUBDIVISIONS:</u> • <i>Not all counties have taken over the feedlot regulations. Local conditional use permit may or may not be required. The EAW process would give all affected (people) the opportunity to comment and larger agencies to review.</i></p>
<p>4410.4300 MANDATORY EAW CATEGORY. Subp. 30. Natural areas. For projects resulting in the permanent physical encroachment on lands within a national park, state park, wilderness area, state lands and waters within the boundaries of the Boundary Waters Canoe Area, scientific and natural area, or state trail corridor when the encroachment is inconsistent with laws applicable to or the management plan prepared for the recreational unit, the DNR or local government unit shall be the RGU.</p>	<p><u>page 157 of 1982 SONAR:</u> This category is proposed because natural areas are publicly owned properties that have been set aside to preserve significant natural resources for future generations. These are sensitive areas of unique quality which may be significantly impacted by inappropriate development. Environmental review is necessary for these activities to allow public involvement in decisions affecting publicly owned resources. Enabling legislation conferring authority for the designation of these public facilities mandates the preparation of a master management plan for the unit. These plans may vary according to the characteristics of the area and purposes for designation. As a result, the standard of inconsistent with the management plan is proposed. This is the most reasonable method of addressing the diversity among these units.</p>	<p>Local government: -Comprehensive plan amend if community has a plan. -Rezoning if community has zoning. -Subdivision/platting approval. -Conditional Use Permit. -Site plan approval. -Grading/drainage/erosion control plan. -Wetlands mitigation plan. -Road access permit on local road. -Building permits for structures. <u>State:</u> Master plan per M.S. 86A.09 <u>Federal:</u> National park or forest management plans.</p>	<p>Great variation exists across local governments regarding technical/scientific expertise for potential environmental impacts from projects of this type. <u>Recommendation:</u> No change to this category from local government perspective, but see MnDNR recommendation for this category in Appendix D. <u>INPUT RECEIVED FROM POLITICAL SUBDIVISIONS:</u> • <i>Perhaps the DNR should be the RGU and not have an option of DNR or local government RGU.</i> • <i>Keep this unchanged.</i></p>

Mandatory Categories: Local Government as RGU	Intended Historical Purpose	Example Local, State, Federal Permits, Laws, Ordinances that may (or may not) apply.	Should category be modified, eliminated, or unchanged based on relationship to existing permits or other federal/state/local laws/ordinances?
<p>4410.4300 MANDATORY EAW CATEGORY. Subp. 31. Historical places. For the destruction, in whole or part, or the moving of a property that is listed on the National Register of Historic Places or State Register of Historic Places, the permitting state agency or local unit of government shall be the RGU, except this does not apply to projects reviewed under section 106 of the National Historic Preservation Act of 1966, United States Code, title 16, section 470, or the federal policy on lands, wildlife and waterfowl refuges, and historic sites pursuant to United States Code, title 49, section 303, or projects reviewed by a local heritage preservation commission certified by the State Historic Preservation Office pursuant to Code of Federal Regulations, title 36, sections 61.5 and 61.7. This subpart does not apply to a property located within a designated historic district if the property is listed as "noncontributing" in the official district designation or if the State Historic Preservation Office issues a determination that the property is noncontributing.</p>	<p><u>page 157 of 1982 SONAR:</u> This category area is proposed because there is very little government authority to protect sites listed on the National Register of Historic Places. The requirement for environmental review prior to the destruction of such facilities is needed to provide the public an opportunity to take part in decisions that may significantly affect the preservation of our national heritage. Historical resources are protectable natural resources under the Minnesota Environmental Rights Act. Approximately 907 sites in Minnesota are currently listed on the National Register. Sites so listed are regarded to be nationally significant resources. These sites are frequently privately owned and there may be little financial incentive for the owner to maintain the site. Public review may produce feasible alternatives to the destruction of the facility. The opportunity to review these alternatives via environmental review is reasonable because of the lack of other forms of regulation. <u>page 21 of 1997 SONAR:</u> The rules were amended to: clarify moving of a building was included; add the State Register of Historic Places; and add two exemptions for federal program review. <u>page 39 of 2005 SONAR:</u> The 2005 rules amendment added two situations where an EAW is not required. The first is when destruction will be reviewed by a certified local heritage preservation commission. The State Historic Preservation Office believes that review by such a commission gives adequate oversight over historic places without preparation of an EAW. To be certified, a local heritage preservation commission applies to SHPO, which reviews the application and local ordinance for consistency with nationwide standards established in the Code of Federal Regulations at the cited locations. The second situation added has to do with the nature of the property proposed for destruction. In some cases, the historic place included on the National or State Register is an entire district rather than a single structure. In such districts, not all the properties actually have or contribute to the historic value of the district.</p>	<p>Local government: -Maybe a demolition permit.</p> <p>State:</p> <p>Federal:</p>	<p>Reasoning of past SONARs still remains sound. Mandatory review by a qualified entity is appropriate: if a historic resource is destroyed, it's gone.</p> <p>Recommendation: No change to this category.</p> <hr/> <p><i>INPUT RECEIVED FROM POLITICAL SUBDIVISIONS:</i></p> <ul style="list-style-type: none"> Keep this unchanged: gives other agencies the opportunity to weigh in on local buildings that may be of broader significance than just for local culture. Eliminate this category.
<p>4410.4300 MANDATORY EAW CATEGORY. Subp. 32. Mixed residential and industrial-commercial projects. If a project includes both residential and industrial-commercial components, the project must have an EAW prepared if the sum of the quotient obtained by dividing the number of residential units by the applicable residential threshold of subpart 19, plus the quotient obtained by dividing the amount of industrial-commercial gross floor space by the applicable industrial-commercial threshold of subpart 14, equals or exceeds one. The local governmental unit is the RGU.</p>	<p><u>page 55 and 66 of 1988 SONAR:</u> A new category created to close a loophole whereby mixed use projects were not covered by either the residential or industrial/commercial/institutional categories.</p>	<p>Local government: -Comprehensive plan amend if the community has a plan. -Rezoning if the community has zoning. -Subdivision/platting approval. -Conditional Use Permit. -Site plan approval. -Wetlands mitigation plan. -Building permits for structures.</p> <p>State: -Driveway permit (Mn/DOT) if state highway.</p> <p>Federal: -Clean Water Act 404 permit (wetlands)</p>	<p>Recommendation: Consider possible change in thresholds for communities with comprehensive plans that include specified elements, but this merits very careful examination. The variation in expertise, sophistication, interest, and effectiveness in planning and regulatory methods across local governments remains. The diversity of projects also continues. The threshold quantities were controversial in 1982 and there's little reason to believe this has changed.</p> <hr/> <p><i>INPUT RECEIVED FROM POLITICAL SUBDIVISIONS:</i></p> <ul style="list-style-type: none"> There should be some exception for communities with a comprehensive land use plan. Maybe exempt if mixed use developments are addressed in the land use plan. How a community separates or combines uses is a zoning function. Eliminate this category for both EAW and EIS (comprehensive plan establishes the use, local planning and project reviews are enough).
<p>4410.4400 MANDATORY EIS CATEGORY. Subp. 21. Mixed residential and commercial-industrial projects. If a project includes both residential and commercial-industrial components, the project must have an EIS prepared if the sum of the quotient obtained by dividing the number of residential units by the applicable residential threshold of subpart 14, plus the quotient obtained by dividing the amount of industrial-commercial gross floor space by the applicable industrial-commercial threshold of subpart 11, equals or exceeds one.</p>			

Mandatory Categories: Local Government as RGU	Intended Historical Purpose	Example Local, State, Federal Permits, Laws, Ordinances that may (or may not) apply.	Should category be modified, eliminated, or unchanged based on relationship to existing permits or other federal/state/local laws/ordinances?
<p>4410.4300 MANDATORY EAW CATEGORY. Subp. 33. Communications towers. For construction of a communications tower equal to or in excess of 500 feet in height, or 300 feet in height within 1,000 feet of any public water or public waters wetland or within two miles of the Mississippi, Minnesota, Red, or St. Croix rivers or Lake Superior, the local governmental unit is the RGU.</p>	<p><u>page 56 in 1988 SONAR:</u> Category created in response to a number of petitions involving communication towers, which apparently were reflective of the increasing number of towers being constructed. Information from the DNR indicates that towers have a high potential for killing night migrating birds. There also was the potential for significant aesthetic impacts. Up until just before this time, the federal FCC prepared an environmental assessment for any tower in excess of 500 feet, but had recently eliminated that procedure. The new rule adopted the former federal threshold. <u>page 22 of 1997 SONAR:</u> added the 300' height in sensitive areas.</p>	<p>Local government: -Conditional Use Permit. -Grading/drainage/erosion control plan. -Wetlands mitigation plan. -Site plan approval. -Building permits for structures. -Road access permit local road. State: -Driveway permit (Mn/DOT) if state highway. Federal:</p>	<p>Reasoning of original SONAR still remains sound. <u>Recommendation:</u> No change to this category.</p>
<p>4410.4300 MANDATORY EAW CATEGORY. Subp. 34. Sports or entertainment facilities. For construction of a new sports or entertainment facility designed for or expected to accommodate a peak attendance of 5,000 or more persons, or the expansion of an existing sports or entertainment facility by this amount, the local governmental unit is the RGU.</p>	<p><u>pages 57 and 66 of 1988 SONAR:</u> New category created. A significant number of such facilities had been reviewed since 1982 (horse tracks, amphitheaters, a sports complex, a basketball arena, and a zoo expansion.). Experience demonstrated that environmental review was appropriate. However, existing categories were not well-suited to such facilities. Industrial/commercial/institutional category is based on gross floor space. Experience reviewing sports facilities led to the conclusion that attendance rather than floor space is a better estimator of environmental effects.</p>	<p>Local government: -Comprehensive plan amend if community has a plan. -Rezoning if the community has zoning. -Subdivision/platting approval. -Conditional Use Permit. -Site plan approval. -Building permits for structures.</p>	<p>Reasoning of original SONAR still remains sound. <u>Recommendation:</u> No change to this category.</p>
<p>4410.4400 MANDATORY EIS CATEGORY. Subp. 22. Sports or entertainment facilities. For construction of a new outdoor sports or entertainment facility designed for or expected to accommodate a peak attendance of 20,000 or more persons or a new indoor sports or entertainment facility designed for or expected to accommodate a peak attendance of 30,000 or more persons, or the expansion of an existing facility by these amounts, the local governmental unit is the RGU.</p>		<p>State: NPDES, highway improvements Federal: highway improvements</p>	<p><i>INPUT RECEIVED FROM POLITICAL SUBDIVISIONS:</i> • <i>Keep this unchanged. Activities of such large scale can have more than a local impact and regionally can impact other communities. Also gives a broader group the opportunity to comment.</i></p>
<p>4410.4300 MANDATORY EAW CATEGORY. Subp. 36. Land use conversion, including golf courses. Items A and B designate the RGU for the type of project listed: A. For golf courses, residential development where the lot size is less than five acres, and other projects resulting in the permanent conversion of 80 or more acres of agricultural, native prairie, forest, or naturally vegetated land, the local government unit shall be the RGU, except that this subpart does not apply to agricultural land inside the boundary of the Metropolitan Urban Service Area established by the Metropolitan Council. B. For projects resulting in the conversion of 640 or more acres of forest or naturally vegetated land to a different open space land use, the local government unit shall be the RGU.</p>	<p><u>page 54 of 1988 SONAR:</u> The exemption for land within the Metropolitan Urban Service Area was added because the planning policies for the metropolitan area was considered to have adequately addressed the issue of agricultural land conversion. <u>page 22 of 1997 SONAR:</u> The land conversion for golf courses threshold formerly was part of the “forestry and agriculture” category of Subp. 28. Residential development for lots larger than urban size was added as well. The intent was to acknowledge that conversion of land can have environmental effects, not just the number of units as is the measure for the residential category.</p>	<p>Local government: -Comprehensive plan amend if community has a plan. -Rezoning if the community has zoning. -Subdivision/platting approval. -Conditional Use Permit. -Site plan approval. -Wetlands mitigation plan. -Road access permit on local road. -Building permits for structures. -Grading/drainage/erosion control plan. State: -Water appropriation permit. -Driveway permit if state hwy. Federal: -CWA 404 permit</p>	<p><u>Recommendation:</u> Consider possible change to threshold quantity. Consider possible clarification of language for project type. <i>INPUT RECEIVED FROM POLITICAL SUBDIVISIONS:</i> • <i>Threshold of 80 acres too low for golf courses or residential: could be as few as 30 residential lots. Maybe 160 acres.</i> • <i>Language should be clarified. Does conversion to any land use cross the EAW threshold? This may be too broad. Converting from golf course to park or open space should not trigger an EAW.</i></p>

Mandatory Categories: Local Government as RGU	Intended Historical Purpose	Example Local, State, Federal Permits, Laws, Ordinances that may (or may not) apply.	Should category be modified, eliminated, or unchanged based on relationship to existing permits or other federal/state/local laws/ordinances?
<p>4410.4300 MANDATORY EAW CATEGORY. Subp. 36a. Land conversions in shoreland. A. For a project that alters 800 feet or more of the shoreline in a sensitive shoreland area or 1,320 feet or more of shoreline in a nonsensitive shoreland area, the local governmental unit is the RGU. B. For a project that alters more than 50 percent of the shore impact zone if the alteration measures at least 5,000 square feet, the local governmental unit is the RGU. C. For a project that permanently converts 20 or more acres of forested or other naturally vegetated land in a sensitive shoreland area or 40 or more acres of forested or other naturally vegetated land in a nonsensitive shoreland area, the local governmental unit is the RGU.</p>	<p><u>pages 50 and 55 of 2007 SONAR:</u> As a result of the concerns over shoreland development (see Subp. 19.a.) this threshold was added to parallel the existing Subp. 36 conversion category while focusing on shorelands.</p>	<p>Local government: -Comprehensive plan amend if community has a plan. -Rezoning if the community has zoning. -Subdivision/platting approval. -Conditional Use Permit. -Site plan approval. -Grading/drainage/erosion control plan. -Wetlands mitigation plan. -Road access permit on local road. -Building permits for structures. State: -Water appropriation permit. -Driveway permit (Mn/DOT) if state highway. -Permit to mine (Reclamation permit). -Clean Water Act 401 certif. Federal: -Clean Water Act 404 permit (wetlands).</p>	<p>This category was among those specifically created in 2007. Experience has raised questions about whether the language of the category fully reflects the intent regarding permanent land conversion.</p> <p><u>Recommendation:</u> Review intent and consider clarifying language.</p> <hr/> <p><i>INPUT RECEIVED FROM POLITICAL SUBDIVISIONS:</i></p> <ul style="list-style-type: none"> • <i>Keep this unchanged.</i> • <i>Eliminate this category for both EAW and EIS.</i>
<p>4410.4400 MANDATORY EIS CATEGORY. Subp. 27. Land conversion in shorelands. For a project that permanently converts 40 or more acres of forested or other naturally vegetated land in a sensitive shoreland area or 80 or more acres of forested or other naturally vegetated land in a nonsensitive shoreland area, the local governmental unit is the RGU.</p>			
<p>4410.4300 MANDATORY EAW CATEGORY. Subp. 37. Recreational trails. If a project listed in items A to F will be built on state-owned land or funded, in whole or part, by grant-in-aid funds administered by the DNR, the DNR is the RGU. For other projects, if a governmental unit is sponsoring the project, in whole or in part, that governmental unit is the RGU. If the project is not sponsored by a unit of government, the RGU is the local governmental unit. For purposes of this subpart, "existing trail" means an established corridor in current legal use. A. Constructing a trail at least ten miles long on forested or other naturally vegetated land for a recreational use other than snowmobiling or cross-country skiing, unless exempted by part 4410.4600, subpart 14, item D, or constructing a trail at least 20 miles long on forested or other naturally vegetated land exclusively for snowmobiling or cross-country skiing. B. Designating at least 25 miles of an existing trail for a new motorized recreational use other than snowmobiling. In applying items A and B, if a proposed trail will contain segments of newly constructed trail and segments that will follow an existing trail but be designated for a new motorized use, an EAW must be prepared if the sum of the quotients obtained by dividing the length of the new construction by ten miles and the length of the existing but newly designated trail by 25 miles, equals or exceeds one. C. Paving ten or more miles of an existing unpaved trail, unless exempted by part 4410.4600, subpart 27, item B or F. Paving an unpaved trail means to create a hard surface on the trail with a material impervious to water. D. Constructing an off-highway vehicle recreation area of 80 or more acres, or expanding an off-highway vehicle recreation area by 80 or more acres, on agricultural land or forested or other naturally vegetated land. E. Constructing an off-highway vehicle recreation area of 640 or more acres, or expanding an off-highway vehicle recreation area by 640 or more acres, if the land on which the construction or expansion is carried out is not</p>	<p><u>2004 SONAR dedicated exclusively to this category</u> <u>pages 4 & 5:</u> One particular aspect of the controversy over motorized recreational vehicle usage in Minnesota led to this rulemaking (to create this category) in a direct way. When the DNR released its first trail system plans for the three regions of northern Minnesota in 2000 and 2001, citizens petitioned for Environmental Review and filed lawsuits when the DNR, in part, denied the petitions. While the Court of Appeals ruled that only some of the actions in the system plans constituted actual "projects" subject to environmental review, trail planning by the DNR was seriously impeded for several years. This situation brought attention to the fact that the existing Environmental Review program rules did not have any guidance in the form of mandatory review and exemption categories regarding which kinds of trails were subject to review. This realization is a major factor leading to this rulemaking. The legislature in 2003 ordered the EQB to adopt rules providing for threshold levels for environmental review for recreational trails.</p> <p>RGU assignment is consistent with the general principles for RGU assignment in the rules: (1) if a state agency will carry out a project it is the RGU and (2) the RGU is the unit with the greatest responsibility for supervising or approving the project as a whole or has expertise that is relevant for the review. The Department of Natural Resources (DNR) is named as RGU for all trail projects for which it is either the project constructor or the provider of grant-in-aid funds. This gives the DNR a strong degree of authority over the project. In addition, the DNR staff has expertise with the review of recreational trails that is likely to be greater than that available to a local unit of government that would be a sponsor for a grant-in-aid trail. For those projects not constructed by the DNR or involving state grant-in-aid funds, but which will be sponsored by another unit of government, the sponsoring unit will be the RGU; this is consistent with the general principle of RGU assignment.</p>	<p>Local government: -Subdivision/platting approval. -Conditional Use Permit. -Grading/drainage/erosion control plan. -Wetlands mitigation plan. -Road access permit on local road. State: -Driveway permit (Mn/DOT) if state highway. Federal: -Clean Water Act 404 permit (wetlands). -Clean Water Act 401 certif.</p>	<p>The reasoning of the 2004 category SONAR still stands.</p> <p><u>Recommendation:</u> No change to this category. See DNR comments in Appendix D for additional discussion.</p> <hr/> <p><i>INPUT RECEIVED FROM POLITICAL SUBDIVISIONS:</i></p> <ul style="list-style-type: none"> • <i>Not clear if environmental review is required for non-motorized trails such as a bicycle trail. Questionable if environmental review is needed for non-motorized trail.</i> <p>The option to only include trails for motorized uses in the mandatory category was rejected in 2004 because it was recognized that motorized use is not the only reason why recreational trail projects may have environmental impacts.</p>

Mandatory Categories: Local Government as RGU	Intended Historical Purpose	Example Local, State, Federal Permits, Laws, Ordinances that may (or may not) apply.	Should category be modified, eliminated, or unchanged based on relationship to existing permits or other federal/state/local laws/ordinances?
<p>agricultural, is not forested or otherwise naturally vegetated, or has been significantly disturbed by past human activities such as mineral mining.</p> <p>F. Some recreation areas for off-highway vehicles may be constructed partially on agricultural naturally vegetated land and partially on land that is not agricultural, is not forested or otherwise naturally vegetated, or has been significantly disturbed by past human activities. In that case, an EAW must be prepared if the sum of the quotients obtained by dividing the number of acres of agricultural or naturally vegetated land by 80 and the number of acres of land that is not agricultural, is not forested or otherwise naturally vegetated, or has been significantly disturbed by past human activities by 640, equals or exceeds one.</p>			

APPENDIX B: MINNESOTA DEPARTMENT OF TRANSPORTATION CATEGORIES: Prepared by MnDOT

Mandatory Categories: MnDOT as RGU	Intended Historical Purpose	Potential Local, State, or Federal Permits that may (or may not) apply.	Should category be modified, eliminated, or unchanged based on relationship to existing permits or other federal/state/local laws/ordinances?
<p>4410.4300 MANDATORY EAW CATEGORY. Subp. 21. Airport projects. Items A and B designate the RGU for the type of project listed: A. For construction of a paved, new airport runway, the DOT, local governmental unit, or the Metropolitan Airports Commission shall be the RGU. B. For construction of a runway extension that would upgrade an existing airport runway to permit usage by aircraft over 12,500 pounds that are at least three decibels louder than aircraft currently using the runway, the DOT, local government unit, or the Metropolitan Airports Commission shall be the RGU. The RGU shall be selected according to part 4410.0500, subpart 5.</p>	<p><u>page 145 of 1982 SONAR:</u> This category area is proposed because of the potential for significant impacts related to local and regional land use, local economic and demographic issues, transportation, noise, air quality, and energy. New facilities and expansion of existing facilities to accommodate noisier aircraft are likely to be very controversial. The EAW threshold for a new airport runway in the “key system” existed in the previous rule. The basic qualitative measure applied to these categories is that airports able to accommodate jet aircraft have greatest potential to create significant environmental impacts. Facilities to accommodate jet aircraft must include a runway of 5,000 length or greater. The construction of a new facility to accommodate jet air traffic is proposed as a mandatory EIS threshold. The more likely case is that an existing facility would be expanded from a strictly small aircraft facility to a jet aircraft facility. Similar concerns could arise with runway modifications to allow use by larger jet facilities. Such potential expansion is addressed as a mandatory EAW with the need for an EIS discretionary. The 12,500 pound aircraft weight corresponds to a minimal weight for jet aircraft. The three decibel increase corresponds to a noise increase 1000 times the prior noise level. Construction of new facilities for multi-engine, twin engine and single engine aircraft and expansion of these facilities to less than jet aircraft capacity is subject to environmental review on a discretionary basis. The proposed EIS category corresponds to the current EAW threshold. Minnesota has 18 key system airports. Key system airports are airports capable of handling jet aircraft. Minnesota has 73 intermediate system airports (light to medium sized multi-engine aircraft) and 50 landing strip system airports (single and twin engine aircraft).</p>	<p>Local: Possible subdivision/platting review, grading permit, building permit for structures, or conditional use permits</p> <p>State: NPDES Construction General Permit (stormwater pollution prevention during construction)</p> <p>Federal: FAA 7460 Notification (height, safety and operational hazards related to airspace)</p>	<p>Zoning issues are all handled at the local level. Stormwater concerns are addressed at the state level with the NPDES Construction permit. At the federal level, the RGU must work with FAA to meet all applicable federal regulations, per the 7460 Notification process (e.g. height restrictions, safety and operational issues). MnDOT, as approved by the FAA, often assists locals with preparation of the EAW and related environmental documents on projects where MnDOT is not the RGU. This is an efficiency measure, as locals are unlikely to be familiar with environmental review as it pertains to airport construction, and would otherwise need to hire expensive consultants or train staff for that particular project. This relationship works well for all organizations and there are no recommended changes for this category at this time. The environmental review process is the only process which allows for public input, and will identify potential issues of contamination, historical and cultural significance, community issues (e.g. noise and socio-economics) or cumulative impacts and land use considerations. In the metropolitan area, the Metropolitan Airport Commission (MAC) conducts air quality or noise analyses, if the environmental review identifies an area of concern. In outstate areas, the airport conducts these analyses.</p>
<p>4410.4400 MANDATORY EIS CATEGORY. Subp. 15. Airport runway projects. For construction of a paved and lighted airport runway of 5,000 feet of length or greater, the DOT or local government unit shall be the RGU.</p>	<p><u>page 19 of 1997 SONAR:</u> In 1997, the rule was amended to require an EAW for all new airport runways.</p>		<p>Zoning issues are all handled at the local level. Stormwater concerns are addressed at the state level with the NPDES Construction permit. At the federal level, the RGU must work with FAA to meet all applicable federal regulations, per the 7460 Notification process (e.g. height restrictions, safety and operational issues). MnDOT, as approved by the FAA, often assists locals with preparation of the EIS and related environmental documents on projects where MnDOT is not the RGU. This is an efficiency measure, as locals are unlikely to be familiar with environmental review as it pertains to airport construction, and would otherwise need to hire expensive consultants or train staff for that particular project. This relationship works well for all organizations and there are no recommended changes for this category at this time. The environmental review process is the only process which allows for public input, and will identify potential issues of contamination, historical and cultural significance, community issues (e.g. noise and socio-economics) or cumulative impacts and land use considerations. In the metropolitan area, the Metropolitan Airport Commission (MAC) conducts air quality or noise analyses, if the environmental review identifies an area of concern. In outstate areas, the airport conducts these analyses.</p>
<p>4410.4300 MANDATORY EAW CATEGORY. Subp. 22. Highway projects. Items A to C designate the RGU for the type of project listed: A. For construction of a road on a new location over one mile in length that will function as a collector roadway, the DOT or local government unit shall be the RGU. B. For construction of additional travel lanes on an existing road for a length of one or more miles, the DOT or local government unit shall be the</p>	<p><u>page 146 of 1982 SONAR:</u> This category area is proposed because of the potential for significant impacts related to local and regional land use, local economic and demographic issues, transportation, noise, air quality, energy, water quality, erosion, drainage, water resources, habitat destruction, and construction impacts. New facilities and the expansion of existing facilities to accommodate increased traffic are likely to be very controversial. Although the cumulative impact of local roadways is greatest, primary concern is generated by the construction of arterial and collector roadways because they tend to induce secondary development in the area and they accommodate approximately 85% of</p>	<p>Local: Possible subdivision/platting review, grading permit, building permit for structures, or conditional use permits</p> <p>State: NPDES Construction (stormwater pollution prevention)</p>	<p>EAW: Different levels of local coordination or permits are necessary, depending on the project proposer, city, county, and watershed where the project is located. Water quality, wetland preservation/mitigation, and construction stormwater issues are addressed through state and federal permits. The environmental review process is the only process which allows for public input, and will identify potential issues of contamination, historical and cultural significance, community issues (e.g. noise and socio-economics) or cumulative impacts and land use</p>

Mandatory Categories: MnDOT as RGU	Intended Historical Purpose	Potential Local, State, or Federal Permits that may (or may not) apply.	Should category be modified, eliminated, or unchanged based on relationship to existing permits or other federal/state/local laws/ordinances?
<p>RGU.</p> <p>C. For the addition of one or more new interchanges to a completed limited access highway, the DOT or local government unit shall be the RGU.</p>	<p>the total mileage driven by motorists. Arterial roadways are commonly four or more lanes in width. The EIS category at uses this as a qualitative threshold.</p>	<p>during construction) Watershed District permit (wetland mitigation, stormwater pollutant restrictions, infiltration requirements, or volume control reductions) , 401 Certification (MPCA authority to review 404 permit applications (per CWA))</p>	<p>considerations. At this time, the only change to the categorical thresholds that MnDOT and the LGUs recommend is that category B. For construction of additional travel lanes on an existing road for a length of one or more miles... should be increased from one mile to two miles. This recommendation is proposed because these operational improvement projects, which are unlikely to induce secondary impacts, are a low risk to those resources not already covered in the existing permit requirements. EAWs in these instances provide little value to the community and environment for the effort and resources they require.</p>
<p>4410.4400 MANDATORY EIS CATEGORY.</p> <p>Subp. 16. Highway projects. For construction of a road on a new location which is four or more lanes in width and two or more miles in length, the DOT or local government unit shall be the RGU.</p>		<p>Federal: USACE Section 10 (work on structures other than bridges or causeways that affect the course, condition, or capacity of navigable waters of the United States) or USACE 404 (regulates the discharge of dredged and fill material into waters of the United States, including wetlands)</p>	<p>EIS: Different levels of local coordination or permits are necessary, depending on the project proposer. Water quality, wetland preservation/mitigation, and construction stormwater issues are addressed through state and federal permits. However, the environmental review process is the only process which allows for public input, and will identify potential issues of contamination, historical and cultural significance, community issues (e.g. noise and socio-economics), cumulative impacts and land use considerations. At this time, MnDOT, in coordination with LGUs do not recommend changes to this categorical threshold</p>
<p>4410.4300 MANDATORY EAW CATEGORY.</p> <p>Subp. 23. Barge fleeting. For construction of a new or expansion of an existing barge fleeting facility, the DOT or port authority shall be the RGU.</p>	<p><u>page 151 of 1982 SONAR:</u> This category area is proposed because of the potential for significant impacts related to water quality, air quality, noise, wildlife habitat, aesthetics, and the use of public resources. The qualitative measure of the thresholds applied to the EAW category is the area of water surface occupied by the facility. This measure most appropriately reflects the total potential for impacts from the facility. The quantitative threshold proposed corresponds to approximately one half acre. Such a facility would accommodate approximately 80 boats. The proposed category is the same as the current rules. This threshold has proven to, be reasonable for defining major facilities. Marinas may be constructed in wild and scenic river areas, however, because of the unique character of these areas, the areas are generally inappropriate for marinas. Under the current rules, requests for EISs on' marinas have mostly been confined to wild and scenic river systems.</p>	<p>Local: Site Plan Approval. Possible subdivision/platting review, grading permit, building permit for structures, or conditional use permits (operator facilities)</p> <p>State: MNDNR, MPCA and MnDOT (review or permitting of sheet pile at edge of slip)</p>	<p>EAW: Local entities review siting, and permits related to buildings and operational facilities. State and Federal agencies take an interest in work that is done in the water. The international treaty guarantees that international waters remain open for navigational purposes. However, the environmental review process is the only process which allows for public input, and will identify potential issues of contamination, historical and cultural significance, community issues (e.g. noise and socio-economics) or cumulative impacts and land use considerations. MnDOT and the Minnesota Port Authorities agree that the state categorical thresholds are set at a reasonable level, which protects environmental resources, without negatively impacting state commerce.</p>
<p>4410.4400 MANDATORY EIS CATEGORY.</p> <p>Subp. 17. Barge fleeting facilities. For construction of a barge fleeting facility at a new off-channel location that involves the dredging of 1,000 or more cubic yards, the DOT or port authority shall be the RGU.</p>		<p>Federal: USACE Section 404 permit, FAA Temporary Airspace Permit (for construction cranes) FAA Permanent Airspace Permit (with mapping revisions for cranes and building locations in area)</p> <p>International: Boundary Waters Treaty of 1909 (guarantees international navigable waters be free and open)</p>	<p>EIS: Local entities review siting, and permits related to buildings and operational facilities. State and Federal agencies take an interest in work that is done in the water. The international treaty guarantees that international waters remain open for navigational purposes. However, the environmental review process is the only process which allows for public input, and will identify potential issues of contamination, historical and cultural significance, community issues (e.g. noise and socio-economics) or cumulative impacts and land use considerations. MnDOT and the Minnesota Port Authorities agree that the state categorical thresholds are set at a reasonable level, which protects environmental resources, without negatively impacting state commerce.</p>

ENVIRONMENTAL QUALITY BOARD CATEGORIES

Mandatory Categories: EQB as RGU Prepared with assistance of Department of Commerce	Intended Historical Purpose	Example Local, State, Federal Permits, Laws, Ordinances that may (or may not) apply	Should category be modified, eliminated, or unchanged based on relationship to existing permits or other federal/state/local laws/ordinances?
<p>4410.4300 MANDATORY EAW CATEGORY. Subp. 2. Nuclear fuels and nuclear waste. Items A to F designate the RGU for the type of project listed: A. For construction or expansion of a facility for the storage of high level nuclear waste, the EQB shall be the RGU. B. For construction or expansion of a facility for the storage of low level nuclear waste for one year or longer, the MDH shall be the RGU. C. For expansion of a high level nuclear waste disposal site, the EQB shall be the RGU. D. For expansion of a low level nuclear waste disposal site, the MDH shall be the RGU. E. For expansion of an away-from-reactor facility for temporary storage of spent nuclear fuel, the EQB shall be the RGU. F. For construction or expansion of an on-site pool for temporary storage of spent nuclear fuel, the EQB shall be the RGU.</p>	<p><u>Page 112 of 1982 SONAR:</u> In establishing these categories, nuclear waste was categorized into three main types: high level waste, low level waste, and spent nuclear fuel. In addition, nuclear fuel processing facilities are addressed. Waste facilities are distinguished by whether they are designed for disposal or for temporary storage and by whether the proposal entails construction at a new site or the expansion of an existing facility. These categories are addressed on an all or none basis, i.e. no quantitative thresholds are applied. The basic reason for this is that commercially feasible operations are likely to generate enough waste to be of concern and that even small amounts of nuclear waste are likely to generate significant public concern and could be hazardous. The Minnesota Department of Health has regulatory authority relating to fissionable materials pursuant to Minn. Stat. § 144.12. The Radioactive Waste Management Act at Minn. Stat. § 116C.71 requires legislative authorization of any radioactive waste management facility. Primary authority relating to the impacts of processing facilities rests with the Pollution Control Agency pursuant to Minn. Stat. § 115.03 and Minn. Stat. § 116.07. Environmental review documents prepared pursuant to these proposed rules would be subject to cooperative state/federal procedures. The U.S. Nuclear Regulatory Commission has jurisdiction over nuclear materials.</p>	<p>Fissionable materials: Minnesota Department of Health pursuant to Minn. Stat. § 144.12 Minn. Stat. § 116C.72 requires legislative authorization of any radioactive waste management facility. processing facilities: Pollution Control Agency pursuant to Minn. Stat. § 115.03 and Minn. Stat. § 116.07 Environmental review documents prepared pursuant to these proposed rules would be subject to cooperative state/federal procedures. The U.S. Nuclear Regulatory Commission has jurisdiction over nuclear materials.</p>	<p>Any amendment of these categories requires extensive, multiagency analysis because of the complex issues surrounding nuclear waste and the need to protect public health and safety. If an EAW is prepared on a nuclear waste project it is unlikely that there would be a negative declaration (no EIS). <u>Recommendation:</u> There may be overlap between 4410.4300 Subp. 2.A. and 4410.4400, Subp. 2.C. This should be examined.</p>
<p>4410.4400 MANDATORY EIS CATEGORY. Subp. 2. Nuclear fuels and nuclear waste. Items A to D designate the RGU for the type of project listed: A. For the construction or expansion of a nuclear fuel or nuclear waste processing facility, including fuel fabrication facilities, reprocessing plants, and uranium mills, the DNR shall be the RGU for uranium mills; otherwise, the PCA shall be the RGU. B. For construction of a high level nuclear waste disposal site, the EQB shall be the RGU. C. For construction of an away-from-reactor facility for temporary storage of spent nuclear fuel, the Public Utilities Commission shall be the RGU. D. For construction of a low level nuclear waste disposal site, the MDH shall be the RGU.</p>	<p><u>Page 115 of 1982 SONAR:</u> This category area is proposed because of the need for coordinating public review with relation to the need for and alternatives to generating facilities as well as with relation to the siting of proposed facilities and because of potential significant environmental impacts relating to air quality, energy use and secondary development resulting from these facilities. Environmental impacts likely to be of concern include air pollution, water pollution, thermal pollution, transportation and storage related impacts, and adjacent land use issues. Hydro, alternative fuel, solar or wind powered facilities are likely to be less than 25 megawatts in size. All nuclear facilities would require an EIS. <u>Page 1 of 2003 SONAR:</u> In 1977 language was added to rules to specifically address how environmental review would be conducted on large power plants and high voltage transmission lines: the Minnesota Energy Agency (the predecessor to the Public Utilities Commission) would prepare an Environmental Report when it received an application. A</p>	<p>Permitting is addressed through Minn. Rules 7849, 7850 for projects of 50 MW and larger.</p>	<p>Dept. of Commerce notes: A project with the profile described in 4410.4300 Subp.2.A. (construction or expansion of a storage facility) would actually be a mandatory EIS per Minn. Stat. 116C.83, Subd. 6(b). Environmental review and protection. (a) The siting, construction, and operation of an independent spent-fuel storage installation located on the site of a Minnesota generation facility for dry cask storage of spent nuclear fuel generated solely by that facility is subject to all environmental review and protection provisions of this chapter and chapters 115, 115B, 116, 116B, 116D, and 216B, and rules associated with those chapters, except those statutes and rules that apply specifically to a radioactive waste management facility as defined in section 116C.71, subdivision 7. (b) An environmental impact statement is required under chapter 116D for a proposal to construct and operate a new or expanded independent spent-fuel storage installation. The commissioner of the Department of Commerce shall be the responsible governmental unit for the environmental impact statement. Prior to finding the statement adequate, the commissioner must find that the applicant has demonstrated that the facility is designed to provide a reasonable expectation that the operation of the facility will not result in groundwater contamination in excess of the standards established in section 116C.76, subdivision 1, clauses (1) to (3).</p>
<p>4410.4300 MANDATORY EAW CATEGORY. Subp. 3. Electric generating facilities. For construction of an electric power generating plant and associated facilities designed for or capable of operating at a capacity of between 25 megawatts and 50 megawatts, the EQB shall be the RGU. For electric power generating plants and associated facilities designed for and capable of operating at a capacity of 50 megawatts or more, environmental review shall be conducted according to parts 7849.1000 to 7849.2100 and 7850.1000 to 7850.5600.</p>	<p><u>Page 115 of 1982 SONAR:</u> This category area is proposed because of the need for coordinating public review with relation to the need for and alternatives to generating facilities as well as with relation to the siting of proposed facilities and because of potential significant environmental impacts relating to air quality, energy use and secondary development resulting from these facilities. Environmental impacts likely to be of concern include air pollution, water pollution, thermal pollution, transportation and storage related impacts, and adjacent land use issues. Hydro, alternative fuel, solar or wind powered facilities are likely to be less than 25 megawatts in size. All nuclear facilities would require an EIS.</p>	<p>Permitting is addressed through Minn. Rules 7849, 7850 for projects of 50 MW and larger.</p>	<p>For facilities between 25 MW and 50MW, the EQB is the RGU for an EAW. While EQB can reassign RGU duties per 4410.0500, it's worth considering if the rule should be amended to designate PUC the RGU even if no permitting/approval authority currently exists at PUC. EQB has no permitting authority either. <u>Recommendation:</u> Initiate discussion on RGU for EAW on facilities under 50 MW other than Large Wind energy Conversion Systems.</p>
<p>4410.4400 MANDATORY EIS CATEGORY. Subp. 3. Electric generating facilities. For construction of a large electric power generating plant, environmental review shall be conducted according to parts 7849.1000 to 7849.2100 and 7850.1000 to 7850.5600.</p>	<p><u>Page 1 of 2003 SONAR:</u> In 1977 language was added to rules to specifically address how environmental review would be conducted on large power plants and high voltage transmission lines: the Minnesota Energy Agency (the predecessor to the Public Utilities Commission) would prepare an Environmental Report when it received an application. A</p>	<p>Permitting is addressed through Minn. Rules 7849, 7850 for projects of 50 MW and larger.</p>	<p>Dept. of Commerce notes: It is important to note for this category that environmental review of Large Wind Energy Conversion Systems over the 5 MW exemption threshold is regulated—as allowed under 4410.3600:Alternative Review—per the MN Wind Siting Act</p>

Mandatory Categories: EQB as RGU Prepared with assistance of Department of Commerce	Intended Historical Purpose	Example Local, State, Federal Permits, Laws, Ordinances that may (or may not) apply	Should category be modified, eliminated, or unchanged based on relationship to existing permits or other federal/state/local laws/ordinances?
	<p>separate Environmental Report would be prepared by the EQB when a permit was applied for from the EQB. The environmental review rules were amended again in 1981 including "Special Rules for Certain Large Energy Facilities" that stated that the Department of Energy, Planning and Development would prepare an Environmental Report for inclusion in the record of the certificate of need hearing, and the EQB would prepare an Environmental Impact Statement when a permit was applied for. In 1986 the rules were amended to recognize that the Public Utilities Commission could request approval from the EQB of an alternative form of review for high voltage transmission lines. No corresponding language was included for large electric power generating plants. In 1990 the EQB again amended parts 4410.7000 to 4410.7500. Some editing was made, and parts 4410.7200 and 4410.7300 were repealed. 4410.7010 to 4410.7050 were renumbered 7849.7010-7090 in 2009.</p>		<p>(216F) and its associated rules (Minn. Rules 7854). For other types of electric generating facilities, neither the PUC, nor Commerce, has any approval authority over projects with a capacity less than 50MW.</p>
<p>4410.4300 MANDATORY EAW CATEGORY. Subp. 6. Transmission lines. For construction of a transmission line at a new location with a nominal capacity of between 70 kilovolts and 100 kilovolts with 20 or more miles of its length in Minnesota, the EQB shall be the RGU. For transmission lines and associated facilities designed for and capable of operating at a nominal voltage of 100 kilovolts or more, environmental review shall be conducted according to parts 7849.1000 to 7849.2100 and 7850.1000 to 7850.5600.</p> <p>4410.4400 MANDATORY EIS CATEGORY. Subp. 6. Transmission lines. For construction of a high voltage transmission line, environmental review shall be conducted according to parts 7849.1000 to 7849.2100 and 7850.1000 to 7850.5600.</p>	<p><u>Page 118 of 1982 SONAR:</u> This category area is proposed because of the potential for significant adverse environmental impacts associated with construction, operation, and maintenance of a linear facility, as well as significant social and economic impacts associated with the location of a linear facility. The proposed EAW threshold is set for facilities that exceed 20 miles in length. These facilities frequently traverse more than one county and usually entail greater impact as a function of increased length. The abbreviated EAW format would place little additional burden upon the utility because the information requested would be developed pursuant to their own internal environmental review or pursuant to federal requirements. The EIS threshold proposed is consistent with regulations relating to the routing of transmission lines.</p>	<p>Permitting is addressed through Minn. Rules 7849, 7850 for projects of 100 kilovolts or more.</p>	<p><u>Recommendation:</u> No change to this category.</p> <p><u>Dept. of Commerce notes:</u> The utility industry does not construct transmission lines between 70 kV and 100 kV. They construct operate 69kV lines (exempt per 4410.4600), and the next capacity "interval" is 115 kV (which requires the environmental review provided by Minn. Rules 7850.)</p>
<p>4410.4300 MANDATORY EAW CATEGORY. Subp. 7. Pipelines. Items A to D designate the RGU for the type of project listed: A. For routing of a pipeline, greater than six inches in diameter and having more than 0.75 miles of its length in Minnesota, used for the transportation of coal, crude petroleum fuels, or oil or their derivatives, the EQB shall be the RGU. B. For the construction of a pipeline for distribution of natural or synthetic gas under a license, permit, right, or franchise that has been granted by the municipality under authority of Minnesota Statutes, section 216B.36, designed to operate at pressures in excess of 275 pounds per square inch (gauge) with a length greater than: (1) five miles if the pipeline will occupy streets, highways, and other public property; or (2) 0.75 miles if the pipeline will occupy private property; the EQB or the municipality is the RGU. C. For construction of a pipeline to transport natural or synthetic gas subject to regulation under the federal Natural Gas Act, United States Code, title 15, section 717, et. seq., designed to operate at pressures in excess of 275 pounds per square inch (gauge) with a length greater than: (1) five miles if the pipeline will be constructed and operated within an existing right-of-way; or (2) 0.75 miles if construction or operation will require new temporary or permanent right-of-way; the EQB is the RGU. This item shall not apply to the extent that the application is expressly preempted by federal law, or under specific circumstances when an actual conflict exists with applicable federal law.</p>	<p><u>Page 119 of 1982 SONAR:</u> This category area is proposed because of the potential for significant adverse environmental effects during construction as well as during the use of the facility if a leak should develop. These categories are needed because, although a certificate of need must be prepared for large energy facilities, the certificate of need process does not entail a comprehensive assessment of potential environmental impacts. The thresholds were selected to promote consistency with the certificate of need process.</p> <p><u>Page 37 of 1988 SONAR:</u> Paragraphs A. and B. amended to be consistent with pipeline routing and permitting requirements. The purpose was to ensure environmental review requirements were addressed with the pipeline routing and permitting requirements adopted by 1987 Legislature. This was intended to avoid delay in the routing and permitting process. This effort was intended to be an alternative review process as allowed under 4410.3600 of the environmental review rules.</p>	<p>Permitting is addressed under Minn. Rules 7852.</p>	<p><u>Recommendation:</u> Based on review by the Dept. of Commerce, the category should be reviewed to confirm if all pipelines are addressed with Minn. Rules 7852.</p> <p><u>Dept. of Commerce notes:</u> Based on our review of these mandatory categories, we believe that any project matching the description under these subparts would be required to undergo the approved alternative environmental review (per 4410.3600) as regulated by the Pipeline Routing Act (216G) and its associated rules (Chp. 7852)</p> <p>216G.02 ROUTING OF CERTAIN PIPELINES. Subdivision 1. Definition. For purposes of this section and notwithstanding section 216G.01, subdivision 3, "pipeline" means: (1) pipe with a nominal diameter of six inches or more that is designed to transport hazardous liquids, but does not include pipe designed to transport a hazardous liquid by gravity, and pipe designed to transport or store a hazardous liquid within a refining, storage, or manufacturing facility; or (2) pipe designed to be operated at a pressure of more than 275 pounds per square inch and to carry gas. Subd. 2. Prohibition.</p>

Mandatory Categories: EQB as RGU Prepared with assistance of Department of Commerce	Intended Historical Purpose	Example Local, State, Federal Permits, Laws, Ordinances that may (or may not) apply	Should category be modified, eliminated, or unchanged based on relationship to existing permits or other federal/state/local laws/ordinances?
<p>D. For construction of a pipeline to convey natural or synthetic gas that is not subject to regulation under the federal Natural Gas Act, United States Code, title 15, section 717, et. seq.; or to a license, permit, right, or franchise that has been granted by a municipality under authority of Minnesota Statutes, section 216B.36; designed to operate at pressures in excess of 275 pounds per square inch (gauge) with a length greater than 0.75 miles, the EQB is the RGU. Items A to D do not apply to repair or replacement of an existing pipeline within an existing right-of-way or to a pipeline located entirely within a refining, storage, or manufacturing facility.</p>			<p>A person may not construct a pipeline without a pipeline routing permit issued by the Public Utilities Commission unless the pipeline is exempted from the commission's routing authority under this section or rules adopted under this section. A pipeline requiring a permit may only be constructed on a route designated by the commission.</p>
<p>4410.4400 MANDATORY EIS CATEGORY. Subp. 24. Pipelines. For routing of a pipeline subject to the full route selection procedures under Minnesota Statutes, section 216G.02, the Public Utilities Commission is the RGU.</p>			

Mandatory Categories: EQB as RGU Prepared with assistance of Department of Agriculture	Intended Historical Purpose	Example Local, State, Federal Permits, Laws, Ordinances that may (or may not) apply	Should category be modified, eliminated, or unchanged based on relationship to existing permits or other federal/state/local laws/ordinances?
<p>4410.4300 MANDATORY EAW CATEGORY. Subp. 35. Release of genetically engineered organisms. For the release of a genetically engineered organism that requires a release permit from the EQB under chapter 4420, the EQB is the RGU. For all other releases of genetically engineered organisms, the RGU is the permitting state agency. This subpart does not apply to the direct medical application of genetically engineered organisms to humans or animals.</p>	<p>The 1991 SONAR for Proposed Permanent Rules Relating to Release of Genetically Engineered Organisms stated:</p> <p>“This new mandatory EAW category is proposed to carry out the statutory mandate of Minn. Stat. S 116C.94 that the board adopt rules to require an EAW for the proposed release of genetically engineered organisms.</p> <p>“The requirement for an EAW for the release of a genetically engineered organism is needed because a number of potentially serious environmental impacts could result from such activities, if not properly conducted. These environmental impacts could include but are not limited to:</p> <p>“(1) genetically engineered organism could be better suited to the environment than natives species and consequently could take over an ecological niche;</p> <p>“(2) genetically engineered organisms could evolve and become more adapted to their environment, resulting in increased competition for native organisms or increased risks to native organisms; and</p> <p>“(3) undesirable traits could be transferred to pests (e.g., insects or weeds) making them more resistant to pesticides or other methods of control.”</p>	<p>Local government: -none</p> <p>State: The EQB issues a release permit unless the Board has authorized an agency with a significant environmental permit. The EQB determined that the MDA had a significant environmental permit for agriculturally-related GEOs, and the MDA adopted rules in 1994 (MN Rules Ch. 1558). To date, all releases of GEOs have been agriculturally-related. The potential exists, however, for non-agriculturally-related GEOs (e.g., genetically-engineered fish).</p> <p>Federal: The USDA has jurisdiction over agriculturally-related GEOs. The MDA cooperated with the USDA in regulation of agriculturally-related GEOs.</p>	<p><u>Recommendation:</u> No change to these categories.</p>
<p>4410.4400 MANDATORY EIS CATEGORY. Subp. 28. Genetically engineered wild rice. For the release and a permit for a release of genetically engineered wild rice for which an EIS is required by Minnesota Statutes, section 116C.94, subdivision 1, paragraph (b), the EQB is the RGU.</p>	<p>The 2007 SONAR for Proposed Rules of the Environmental Quality Board Governing the Environmental Review Program stated:</p> <p>“This new subpart establishes a mandatory category for preparation of an EIS for any project proposed in Minnesota that would involve the release and a permit for a release of genetically engineered wild rice. The 2007 session of the Minnesota Legislature enacted a law making this specific requirement (Laws of Minnesota, Chapter 57, Article 1, Section 141). The wording of this category follows the language of the enactment of that session law.</p>		

Mandatory Categories: EQB as RGU Prepared with assistance of Department of Agriculture	Intended Historical Purpose	Example Local, State, Federal Permits, Laws, Ordinances that may (or may not) apply	Should category be modified, eliminated, or unchanged based on relationship to existing permits or other federal/state/local laws/ordinances?
	<p>“Currently there are no EIS thresholds for release of any genetically engineered organisms; hence this new category. There is a requirement for an EAW at chapter 4410.4300, subpart35. This is for release of any genetically engineered organism that requires a permit under chapter 4420 or for genetically engineered organisms covered by a significant environmental permit program of a permitting state agency. This new EIS requirement goes beyond that and is specific to genetically engineered wild rice only.</p> <p>“The Minnesota Department of Agriculture has a significant environmental permit program, authorized at Minnesota Statutes 2006, Chapter 18F- Genetically Engineered Organisms. Under that statute, wild rice is specifically named as an Agriculturally Related Organism (chapter 18F.02, Definitions, subdivision 2a). Wild rice is subject to the Department of Agriculture permit program if produced by genetic engineering methods.</p> <p>“A further requirement of Laws of Minnesota, Chapter 57, Article 1, Section 142 applies the requirement to prepare an EIS in essentially all cases. It eliminates the availability of exceptions or exemptions from environmental review to any permit covered by a qualified federal program, or application by an individual permit applicant seeking an exemption from the board or permitting state agency. The requirement for an EIS for the release and a permit for a release of genetically engineered wild rice is uniform.”</p>		

APPENDIX D: MINNESOTA DEPARTMENT OF NATURAL RESOURCES CATEGORIES: Prepared by MDNR

Appendix D identifies each category in the environmental review rules (Minnesota Rules, chapter 4410) for which DNR would be the Responsible Governmental Unit (RGU). The Table below identifies those categories for which DNR recommends a change to the current language in Rule. For each category, the current language in Rule and the number of Environmental Assessment Worksheets (EAWs) or Environmental Impact Statements (EISs) completed or in preparation during the past five years are identified. Justification from Statements of Need and Reasonableness (SONAR) was referenced to describe the historical purpose of the category. Permits and other governmental actions associated with DNR-prepared EAWs and EISs were identified, and staff was consulted for recommendation. The following factors were considered in developing staff recommendations:

- (1) How have environmental issues associated with our EAWs and EISs related to what's regulated?
- (2) What are the regulatory gaps and overlaps?
- (3) What is the extent of public review process, beyond that provided by the EAW or EIS?
- (4) What is the extent to which regulatory actions are fragmented or unlikely to integrate?
- (5) What is the ability of regulations to allow assessment of "project as a whole"?
- (6) What new laws, policies, regulations have been promulgated since the category created and do they make the category less necessary?
- (7) Is this category still an issue (e.g., radioactive mineral exploration)?
- (8) Consider purpose of category and threshold as described in applicable SONAR(s).

Category/Subject	Recommendation	Appendix page #
4410.4300 subp. 28 B Forestry	Eliminate	D5
4410.4300 subp. 30 Natural areas	Modify	D5
4410.4300 subp. 37 B Recreational trails	Modify	D9
4410.4300 subp. 37 C Recreational trails	Modify	D10
4410.4400 subp. 8 A Metallic mineral mining and processing	Eliminate	D11

TABLE D-1: MANDATORY EAW CATEGORIES: MINNESOTA DEPARTMENT OF NATURAL RESOURCES as RGU				
Mandatory EAW Category	Category Text	Intended Historical Purpose (SONAR)	Potential Local, State, Federal Permits, Laws, Ordinances that may (or may not) apply	Should category be modified, eliminated, or unchanged based on relationship to existing permits or other federal/state/local laws/ordinances?
<p>4410.4300</p> <p>Underground Storage</p> <p>subp. 9 A</p>	<p>Subp. 9. Underground storage. Items A and B designate the RGU for the type of project listed:</p> <p>A. For expansion of an underground storage facility for gases or liquids that requires a permit, pursuant to Minnesota Statutes, section 1031.681, subdivision 1, paragraph (a), the DNR shall be the RGU.</p>	<p>(1982) This category is proposed because this type of project is new and largely untested, is very large in scope, has the potential for groundwater contamination and serious human health impacts and is very controversial.</p> <p>Minn. Stat. § 84.57 mandates a permit for the displacement of groundwater by the underground storage of gases or liquids under pressure. The Department of Natural Resources (DNR) is the responsible permitting agency. No specific rules have been promulgated regarding this authority. One facility of this type has been constructed in Minnesota. No EIS was prepared for that facility. The DNR is currently processing a second application. An EIS has been ordered on the proposed facility. The primary environmental effects of concern on this type of project are groundwater quantity and quality impacts. The lack of a formal process for citizen comment further documents the need for environmental review of this type of activity.</p>	<p>State: Minnesota Statutes, section 1031.681 Minnesota Rules, part 6115.0130 Minnesota Statutes, chapter 216B Minnesota Rules, Chapter 7851</p>	<p>Summary: Two state projects currently involve underground storage. Both were developed prior to MEPA. Both also require a great deal of ongoing regulatory oversight indicating that potential long-term management and possible environmental and human health consequences of such projects are high.</p> <p><u>Recommendation:</u> Maintain this EAW category.</p>
<p>4410.4300</p> <p>Underground Storage</p> <p>subp. 9 B</p>	<p>B. For expansion of an underground storage facility for gases or liquids, using naturally occurring rock materials, that requires a permit pursuant to Minnesota Statutes, section 1031.681, subdivision 1, paragraph (b), the DNR shall be the RGU.</p>	<p>(1982) Minn. Stat. § 84.621 mandates a permit for the storage Of gases or liquids, other than water, in natural rock formations underground. These formations could be naturally occurring or the result of the mining of rock material to create a storage site in a rock formation. No facilities of this .type currently are found in Minnesota and no formal proposals have been presented. It is known, however, that the concept of mining rock to create an underground Cavity in the bedrock is being discussed. The purpose of the cavity would .be to potentially store petroleum products. The primary environmental concerns associated with such an activity would be related to groundwater quality and safety concerns. The DNR is the responsible permitting agency for this type of activity. No specific rules have been promulgated regarding this authority. The lack of a formal process for citizen comment further documents the need for environmental review of this type of activity.</p>	<p>State: Minnesota Statutes, section 1031.681 Minnesota Rules, part 6115.0130 Minnesota Statutes, chapter 216B Minnesota Rules, Chapter 7851</p>	<p>Summary: Two state projects currently involve underground storage. Both were developed prior to MEPA. Both also require a great deal of ongoing regulatory oversight indicating that potential long-term management and possible environmental and human health consequences of such projects are high.</p> <p><u>Recommendation:</u> Maintain this EAW category.</p>
<p>4410.4300</p> <p>Metallic mineral mining and processing</p> <p>subp. 11 A</p>	<p>Subp. 11. Metallic mineral mining and processing. Items A to C designate the RGU for the type of project listed:</p> <p>A. For mineral deposit evaluation of metallic mineral deposits other than natural iron ore and taconite, the DNR shall be the RGU.</p>	<p>(1982) Mineral deposit evaluation activities have the potential for causing environmental impacts similar to those of mining - but on a smaller scale. This type of mining activity was not specifically addressed in the current rules. Minnesota has had lengthy experience in evaluating the impacts of mineral deposit evaluation and mining of natural iron ore and taconite. These activities are regulated pursuant to the Mineland Reclamation Rules, 6 MCAR § 1.401. This regulation provides adequate review for most natural iron ore and taconite mineral deposit evaluation activities, therefore, this type of activity is excluded from 6 MCAR § 3.038 J.1. and is subject to environmental review on a discretionary basis. Minnesota has had relatively little experience in evaluating the impacts of mining and mineral deposit evaluation of other types of mineral deposits. Such mining is considered most likely in Minnesota for ores of copper, nickel, and uranium. Because of the lack of experience and lack of other regulations related to these mining activities, they are subject to mandatory environmental review.</p>	<p>State: Underground injection control permit Dam safety permit Public Waters Work permit Water appropriation permit Permit to mine Approval of reclamation plan Approval of exploration plans on state lands Listed species takings permit Option D registration air permit Construction stormwater general permit Title V construction/operating air permit SDS/NPDES permit State grant award</p>	<p>Summary: A review of recently prepared EAWs indicates that several potential environmental issues, including some that are not directly regulated, were evaluated. Unregulated potential impacts included wildlife habitat effects, native plant community impacts, indirect impacts to surface waters and cumulative effects. No single permit regulates the project as a whole, so environmental review was the only opportunity to analyze effects of the whole project. Permits associated with this category have gaps and overlaps in authority, and many do not include a public review process. Several public comment letters were received on the EAW, including requests for preparation of EISs. Public comments identified substantive environmental concerns and offered monitoring and mitigation recommendations for implementation by the proposer or via ongoing regulatory authority.</p> <p><u>Recommendation:</u> Maintain this EAW category.</p>
<p>4410.4300</p> <p>subp. 11 B</p>	<p>B. For expansion of a stockpile, tailings basin, or mine by 320 or more acres, the DNR shall be the RGU.</p>	<p>(1982) At 6 MCAR § 3.038 J.2. an acreage threshold is used for the EAW for expansion of an existing facility. The lesser EAW requirement is provided for expansions because the impacts related to land use, siting, and demographics are reduced and the primary concerns relate to the mitigation of direct physical</p>	<p>Local: Conditional use permit Building permit (variance) Burn permit</p>	<p>Summary: Review of a recently prepared EAW indicates that several potential environmental issues, including some that are not directly regulated, were evaluated. Unregulated potential impacts included wildlife habitat effects, native plant community impacts, and cumulative effects to headwater streams. No single permit regulates the project</p>

TABLE D-1: MANDATORY EAW CATEGORIES: MINNESOTA DEPARTMENT OF NATURAL RESOURCES as RGU				
Mandatory EAW Category	Category Text	Intended Historical Purpose (SONAR)	Potential Local, State, Federal Permits, Laws, Ordinances that may (or may not) apply	Should category be modified, eliminated, or unchanged based on relationship to existing permits or other federal/state/local laws/ordinances?
		impacts. This could be done without an EIS.	<p>Septic system permit</p> <p>State: Water appropriation permit Public waters work permit Dam safety permit Permit to mine amendment Approval of reclamation plan Listed species takings permit Construction stormwater general permit SDS permit 401 Certification Well installation permit</p> <p>Federal: Section 404 permit</p>	<p>as a whole, so environmental review was the only opportunity to analyze effects of the whole project. Permits associated with this category have gaps and overlaps in authority, and many do not include a public review process. About 200 public comment letters were received, including requests for preparation of EISs. Public comments identified substantive environmental concerns.</p> <p><u>Recommendation:</u> Maintain this EAW category.</p>
<p>4410.4300</p> <p>Metallic mineral mining and processing</p> <p>subp. 11 C</p>	<p>C. For expansion of a metallic mineral plant processing facility that is capable of increasing production by 25 percent per year or more, provided that increase is in excess of 1,000,000 tons per year in the case of facilities for processing natural iron ore or taconite, the DNR shall be the RGU.</p>	<p>(1982) At 6 MCAR § 3.038 J.3. a percentage expansion figure is used as a threshold for an EAW. The lesser EAW requirement is provided for expansions because the impacts related to siting and demographics are reduced and the primary concerns relate to the mitigation of direct physical impacts. This could be done without an EIS.</p>	<p>Local: Building permit Zoning variances Permit for construction in shoreland area</p> <p>State: Permit to mine amendment Public waters work permit Listed species takings permit Part 70 operating permit – major modification NPDES/SDS permit Industrial stormwater permit Construction stormwater general permit Storage tank permit Solid waste permit Hazardous waste generator license Radioactive material registration</p>	<p>Summary: The only recent project in this category underwent a joint state-federal EIS, for which the state EIS was discretionary. Experience with this project identified similar issues to those described for 441.4300, subparts 11A and 11B.</p> <p><u>Recommendation:</u> Maintain this EAW category.</p>
<p>4410.4300</p> <p>Nonmetallic mineral mining</p> <p>subp. 12A</p>	<p>Subp. 12. Nonmetallic mineral mining. Items A to C designate the RGU for the type of project listed:</p> <p>A. For development of a facility for the extraction or mining of peat which will result in the excavation of 160 or more acres of land during its existence, the DNR shall be the RGU.</p>	<p>(1982) The extraction of peat resources has the potential for causing environmental impacts relating to land use, air quality, water quality, mining and drainage. Current peat mining activities tend to be of small scale and for the purpose of marketing the peat as a horticultural product or as a briquet fuel. Peat mining is expected to be extremely controversial if proposals develop to utilize the resource for other energy uses. Data based on actual development of these resources on a broad scale is limited. The threshold levels of 160 acres for a mandatory EAW (6 MCAR § 3.038 K.1.) and 320 acres for a mandatory EIS (6 MCAR § 3.039 H.1.) coincide with Department of Natural Resources policy as set forth in the Minnesota Permit Program Policy Recommendations. In the current rules the 320 acre threshold for an EAW for nonmetallic resources would have</p>	<p>Local: Conditional use permit Land exchange</p> <p>State: Water appropriation permit Permit to mine (Reclamation permit) Land lease Listed species takings permit NPDES/SDS permit 401 certification</p>	<p>Summary: Very few peat mining operations have prepared environmental documents in the last ten years; however DNR has been in communication and has received proposed projects within this same time period. Each of these projects may have had the potential for significant environmental effects and thus environmental review was appropriate. The relationship of these proposals to federal requirements under Section 404 of the Clean Water Act has been difficult. There has been no information or data to indicate that the 160 acre threshold needs revision.</p> <p><u>Recommendation:</u> Maintain this EAW category</p>

TABLE D-1: MANDATORY EAW CATEGORIES: MINNESOTA DEPARTMENT OF NATURAL RESOURCES as RGU				
Mandatory EAW Category	Category Text	Intended Historical Purpose (SONAR)	Potential Local, State, Federal Permits, Laws, Ordinances that may (or may not) apply	Should category be modified, eliminated, or unchanged based on relationship to existing permits or other federal/state/local laws/ordinances?
		applied to peat extraction.	Driveway permit (Mn/DOT) Federal: 404 permit Loan application	
4410.4300 Water appropriation and impoundments subp. 24 A	Subp. 24. Water appropriation and impoundments. Items A to C designate the RGU for the type of project listed: A. For a new appropriation for commercial or industrial purposes of either surface water or ground water averaging 30,000,000 gallons per month; or a new appropriation of either ground water or surface water for irrigation of 540 acres or more in one continuous parcel from one source of water, the DNR shall be the RGU.	(1982) Water appropriation may have significant impact upon existing users of the water and the rights of potential users as well as potential water table impacts that may alter entire ecosystems. Water appropriation is regulated by the Department of Natural Resources (DNR) pursuant to 6 MCAR § 1.5050, however, for large projects more comprehensive environmental review is necessary. The proposed categories and thresholds are the same as the current rules with one exception. The threshold for agricultural appropriation is reduced from 640 to 540 acres. This was done to clarify the threshold. The original intent was to cover center pivot irrigation systems capable of irrigating one section (640 acres) of land. However, such a system actually wets approximately 540 acres. The 540 figure was used in response to requests to Clarify the intent of the category. An acreage measure is used for agricultural appropriations because this measurement is more compatible with the DNR's regulatory system. (1988) (Earlier versions also required preparation of an EAW if appropriations exceeded 2 mgd; this was eliminated in 1988). This revision will provide that industrial-commercial projects will be reviewed according to the essential nature of the project, rather than because a water appropriation may be involved as a secondary component of the project. Confusion has arisen in the past between the mandatory category for water appropriations and other mandatory categories for projects which involve large appropriations of water; the most common example has been peat mining projects. Peat mines of less than 160 acres do not require an EAW according to the non-metallic mineral mining categories; however, such projects sometimes must appropriate more than 2 million gallons of water per day over a short period of time, such as periods of heavy rainfall. Deleting the 2 million gallon per day component of the threshold would eliminate confusion of this nature. Projects which appropriate large quantities of water on a continuous basis will still be covered by the 30 million gallon per month threshold.	Local: Grade and fill permit Building permit Conditional use permit Land use permit State: Water appropriation permit Public water work permit Utility crossing license Permit to appropriate from infested waters Listed species takings permit Construction stormwater general permit Tank registration Air emissions permit Federal: 404 permit	Summary: DNR has recently completed an EAW for this category. Potential impacts of highest concern were to resources affected by the discharge of the water, not its appropriation (erosion and water quality impacts). We found that ongoing regulatory authority over those impacts was limited and would not have addressed some likely impacts of the project. Also, most of the required permits do not have a public input process, so provision of public comments occurred only via the EAW. <u>Recommendation:</u> Maintain this EAW category
4410.4300 Water appropriation and impoundments subp. 24 B	B. For a new permanent impoundment of water creating additional water surface of 160 or more acres or for an additional permanent impoundment of water creating additional water surface of 160 or more acres, the DNR shall be the RGU.	(1982) The impoundment category at 6 MCAR § 3.038 W.2. utilized a surface area-qualitative measure because this measure is most closely tied to changes in land use. The volume threshold of acre-feet of water was considered but rejected as having a less direct correlation with impacts and as being more difficult to use administratively. This category was restricted to permanent impoundments because temporary impoundments frequently do not last long enough to modify the current land use. The quantitative threshold was reduced from 200 acres as in the current rules to the proposed 160 acres. This measurement is more consistent with conventional land measurement and with other categories proposed relating to permanent conversion of natural and agricultural lands. (1997) In item B language is inserted for clarification to avoid the	N/A	Summary: Although a project has not recently been proposed that would require preparation of an EAW under this threshold, the DNR still believes the issues identified in the 1982 and 1997 SONARs that created this category remain valid. <u>Recommendation:</u> Maintain this EAW category.

TABLE D-1: MANDATORY EAW CATEGORIES: MINNESOTA DEPARTMENT OF NATURAL RESOURCES as RGU				
Mandatory EAW Category	Category Text	Intended Historical Purpose (SONAR)	Potential Local, State, Federal Permits, Laws, Ordinances that may (or may not) apply	Should category be modified, eliminated, or unchanged based on relationship to existing permits or other federal/state/local laws/ordinances?
		misinterpretation that small additions to impoundments might be interpreted to require a mandatory EAW once the 160-acre threshold had been passed. It is the size of the addition and not the total size of the impoundment that is the crucial factor.		
4410.4300 Water appropriation and impoundments subp. 24 C	C. For construction of a dam with an upstream drainage area of 50 square miles or more, the DNR shall be the RGU.	(1997) In item C, "class II dam" has been deleted since it is a hazard classification and does not relate directly to environmental impacts. In place of "class II" dams has been substituted "dams with an upstream drainage area of at least 50 square miles." This will include many of the class II dams, but will also include some dams of lower hazard classification. It is believed that the watershed size is a better indicator of potential environmental impacts than is hazard classification.	Local: Conditional use permit WCA mitigation plan Lake level manipulation application State: Public water work permit Dam safety permit WCA mitigation plan (state project) NPDES/SDS permit Federal: 404 permit 401 certification (EPA – reservation)	Summary: One EAW has been prepared in recent years under this threshold, but DNR has also prepared 2 other EAWs (one voluntary) for projects that included construction of an outlet control structure. In all cases, there was strong public policy interest in how lake levels would be managed. In some, there were concerns with impacts to fisheries resources to benefit wildlife that were not manageable through ongoing regulatory authority. Other potential impacts were to downstream water quality, shoreline property, access to the lake. In these projects, the EAW was able to assess the project as a whole, while regulatory permits regulated parts of the project and partial impacts, and some key permits did not include a public review process. <u>Recommendation:</u> Maintain this EAW category.
4410.4300 Forestry subp. 28 A	Subp. 28. Forestry. Items A and B designate the RGU for the type of project listed: A. For harvesting of timber for commercial purposes on public lands within a state park, historical area, wilderness area, scientific and natural area, wild and scenic rivers district, the Minnesota River Project Riverbend area, the Mississippi headwaters area, or critical area that does not have an approved plan under Minnesota Statutes, section 86A.09 or 116G.07 , the DNR shall be the RGU.	(1982) Harvesting of timber on publicly owned lands is likely to be controversial. Most activities of this nature are- subjected to public review pursuant to the development of a management plan for the area. Environmental review for timber harvesting on public lands not included in such plans is proposed pursuant to 6 MCAR § 3.038 AA.1. It is reasonable to require public review over activities that may significantly alter publicly owned resources. (1997) The caption is proposed to be changed because after the other revisions proposed, this subpart will apply only to forestry activities. Item C is proposed to be moved from this subpart to proposed new subpart 35 that deals with land use conversions. Item D is proposed to be moved from this subpart and reinserted in a modified form at the new subpart 35 dealing with land use conversions.	State: Master plan prepared under M.S. 86A.09 Critical Area plan prepared under M.S. 116G.07	Summary: Although a project has not recently been proposed that would require preparation of an EAW under this threshold, the DNR still believes the issues identified in the 1982 and 1997 SONARs that created this category remain valid. <u>Recommendation:</u> Maintain this EAW category.
4410.4300 Forestry subp. 28 B	B. For a clearcutting of 80 or more contiguous acres of forest, any part of which is located within a shoreland area and within 100 feet of the ordinary high water mark of the lake or river, the DNR shall be the RGU.	(1982) Clearcutting of timber may be controversial depending on the location of the clearcut. A mandatory EAW is required at 6 MCAR § 3.038 AA. 2. for large clearcutting activities adjacent to water resources. Significant erosion and runoff may result from such activities. The 80 acre quantitative threshold and the 100 foot proximity threshold were established pursuant to the public meeting process as being reasonable. In practice, clearcuts usually do not exceed 20 to 40 acres. It should be noted that private timber management practices are not subject to this category if they do not require government approval.	Federal, State, Local: Timber sale	Summary: Updating of shoreland rules in 1989, passage of the Sustainable Forest Incentive Act in 2001 and implementation of SFI and FSC certification have put additional protections in place so this category is no longer needed. <u>Recommendation:</u> Eliminate this mandatory EAW category.
4410.4300 Natural areas subp. 30	Natural areas. For projects resulting in the permanent physical encroachment on lands within a national park, state park, wilderness area, state lands and waters within the boundaries of the Boundary Waters Canoe Area, scientific and natural area, or state trail corridor when the encroachment is	(1982) Enabling legislation conferring authority for the designation of these public facilities mandates the preparation of a master management plan for the unit. These plans may vary according to the characteristics of the area and purposes for designation. As a result, the standard of “inconsistent with the management plan” is proposed: This is the most reasonable method of addressing the diversity among these units.	Local: Private developments within a recreation unit would be subject to local permits State: Master plan prepared under M.S.	Summary: This category requires review for projects that conflict with approved master plans for outdoor recreation units. The category should be retained in the event an inconsistent project is proposed. The most likely situation would be a private development proposal on an inholding within a state park. The DNR believes it is unlikely an inconsistent project would encroach on a state trail corridor and therefore recommends deleting state trail corridors from the category. Clarification could be considered regarding how this category

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	inconsistent with laws applicable to or the management plan prepared for the recreational unit, the DNR or local government unit shall be the RGU.		86A.09 Federal: National Park management plans SNF Management Plan	applies when master plan revisions (that are subject to a public review process) are proposed. <u>Recommendation:</u> delete "...or state trail corridor..."
4410.4300 Historical places subp. 31	Historical places. For the destruction, in whole or part, or the moving of a property that is listed on the National Register of Historic Places or State Register of Historic Places, the permitting state agency or local unit of government shall be the RGU, except this does not apply to projects reviewed under section 106 of the National Historic Preservation Act of 1966, United States Code, title 16, section 470, or the federal policy on lands, wildlife and waterfowl refuges, and historic sites pursuant to United States Code, title 49, section 303, or projects reviewed by a local heritage preservation commission certified by the State Historic Preservation Office pursuant to Code of Federal Regulations, title 36, sections 61.5 and 61.7. This subpart does not apply to a property located within a designated historic district if the property is listed as "noncontributing" in the official district designation or if the State Historic Preservation Office issues a determination that the property is noncontributing.	(1982) Approximately 907 sites in Minnesota are currently listed on the National Register. Sites so listed are regarded to be nationally significant resources. These sites are frequently privately owned and there may be little financial incentive for the owner to maintain the site if it is located in a high development potential area. Public review may produce feasible alternatives to the destruction of the facility. The opportunity to review these alternatives via environmental review is reasonable because of the lack of other forms of regulation. (1997) Three changes are being proposed to this category. First, "destruction" of a historic property is being clarified to explicitly include being moved to a new location and partial destruction of the physical structure of the place. In practice, the existing category has been interpreted in this way in the past by the Historical Society and the EQB, and it would be beneficial to make this explicit. The logic behind the interpretation is that in some or many cases the historic value of a designated property derives from its association with its locale (e.g., a remaining example of the type of dwelling built by the earliest settlers in a particular place) or from certain features of a building design rather than from the structure as a whole (e.g., certain details of a building facade might be exemplary of a certain architectural style). In these cases, moving the structure or demolishing part of the structure might destroy the historical value of the place without the literal destruction of the property. Second, the scope of this category is being proposed to be expanded to cover places listed on the State Register of Historic Places as well as the National Register. Third, it is being proposed that the EAW requirement not be applied to historic places that undergo historic review under two federal programs. The first is review under the National Historic Preservation Act of 1966 (16 U.S.C. 470), section 106; this review is commonly referred to as "section 106" review. The second is review pursuant to 49 U.S.C. 303, federal policy of lands, wildlife and waterfowl refuges, and historic sites; this review is commonly referred to as "section 4f" review. These reviews apply to projects sponsored or assisted by federal agencies, including many highway construction projects. The review of historical resources under these programs is typically more rigorous than would be the case with an EAW, and therefore, requiring projects to undergo both would be redundant. (2006) <i>(Additional wording added)</i> The revisions to this category were suggested in discussions about the present category thresholds with the staff of	State: Funding for state project Building and electrical permit	Summary: Although DNR is RGU for its own projects in this category, the agency provides no recommendation on this category. DNR defers to the State Historic Preservation Office because of its special expertise with respect to historic sites. <u>Recommendation:</u> None

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		<p>the Minnesota Historical Society’s State Historic Preservation Office (SHPO). The revisions would add two additional reasons or situations where no EAW would be required prior to the destruction of a property on the National or State registers of Historic Places.</p> <p>The present rules recognize two situations as not requiring preparation of the EAW. These both involve review of historic values through other established federal processes. It is now proposed to add another such situation, namely where the destruction will be reviewed by a certified local heritage preservation commission. The State Historic Preservation Office believes that review by such a commission gives adequate oversight over historic places without preparation of an EAW. To be certified, a local heritage preservation commission applies to SHPO, which reviews the application and local ordinance for consistency with nationwide standards established in the Code of Federal Regulations at the cited locations.</p> <p>The second situation proposed to be added is not a substitute form of review but rather has to do with the nature of the property proposed for destruction. In some cases, the historic place included on the National or State Register is an entire district rather than a single structure. In such districts, not all the properties actually have or contribute to the historic value of the district. A “non-contributing property” is a property located within the boundaries of a designated historic district but which itself is not historic and does not contribute to the historical attributes of the district as a whole. Often, non-contributing properties are buildings constructed many years after the period during which the historic buildings of the district were built. Sometimes these non-contributing properties are identified as being non-contributing in the historic place designation documents, but not always. It is proposed that the destruction of non-contributing properties not require preparation of an EAW if either they are identified as being non-contributing in the designation documents or if the State Historic Preservation Office reviews the matter and issues a determination that the property is non-contributing.</p>		
4410.4300 Recreational trails subp. 37	<p>Recreational trails. If a project listed in items A to F will be built on state-owned land or funded, in whole or part, by grant-in-aid funds administered by the DNR, the DNR is the RGU. For other projects, if a governmental unit is sponsoring the project, in whole or in part, that governmental unit is the RGU. If the project is not sponsored by a unit of government, the RGU is the local governmental unit. For purposes of this subpart, "existing trail" means an established corridor in current legal use.</p>	<p>(2004) This paragraph prescribes which governmental unit will be the RGU, which stands for “Responsible Governmental Unit,” for preparing EAWs for the recreational trails for which review will be required under this subpart. Each mandatory category has an RGU designation listed for it in the appropriate subpart of part 4410.4300. The Department of Natural Resources (DNR) is named as RGU for all trail projects for which it is either the project constructor or the provider of grant-in-aid funds. This assignment is consistent with the general principles for RGU assignment at part 4410.0500 that (1) if a state agency will carry out a project it is the RGU (4410.0500, subp. 1) and (2) the RGU is the unit with the greatest responsibility for supervising or approving the project as a whole or has expertise that is relevant for the review (4410.0500, subp. 5, item B). Where grant-in-aid funds are being supplied to assist with a project the DNR must review and approve the plans for the project prior to entering into the grant agreement.</p> <p>This gives the DNR a strong degree of authority over the project. In addition, the DNR staff has expertise with the review of recreational trails that is likely to be greater than that available to a local unit of government that would be a sponsor for a grant-in-aid trail. Furthermore, assigning all grant-in-aid projects</p>	N/A	

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Mandatory EAW Category	Category Text	Intended Historical Purpose (SONAR)	Potential Local, State, Federal Permits, Laws, Ordinances that may (or may not) apply	Should category be modified, eliminated, or unchanged based on relationship to existing permits or other federal/state/local laws/ordinances?
		to the DNR will promote more uniform review of all grant-in-aid projects regardless of where they take place. For those projects not constructed by the DNR or involving state grant-in-aid funds, but which will be sponsored by another unit of government, the sponsoring unit will be the RGU; this is consistent with the general principle of RGU assignment cited as #2 above. For all other projects, the RGU will be the local governmental unit, in keeping with the RGU assignment in other mandatory categories where the permitting responsibility is at the local level. It should be noted that there may be some private trail projects which require no governmental permits, and therefore would not be "governmental actions" under these rules and not be subject to Environmental Review at all.		
<p>4410.4300</p> <p>Recreational trails</p> <p>subp. 37 A</p>	<p>A. Constructing a trail at least ten miles long on forested or other naturally vegetated land for a recreational use other than snowmobiling or cross-country skiing, unless exempted by part 4410.4600, subpart 14, item D, or constructing a trail at least 20 miles long on forested or other naturally vegetated land exclusively for snowmobiling or cross-country skiing.</p>	<p>(2004) Item A would require mandatory preparation of an EAW for the kinds of trails named with the thresholds based on trail length. Item A covers construction of new trails (or extensions of existing trails) which do not follow the alignment of an existing trail. Except for winter uses, the threshold proposed for this category is 10 miles. For the named winter uses, the threshold is proposed to be twice as long, 20 miles, as these uses are generally considered to have lesser potential for environmental impacts due to the fact that frozen soil conditions and snow or ice cover greatly reduce the potential for physical environmental damage. Item A would only apply to trails crossing land that was now forested or otherwise covered with natural vegetation for a distance of at least 10 continuous miles. If a trail was to be partially on naturally vegetated land only the length on such land would be counted.</p> <p>Length was chosen as the primary threshold parameter in order to make the recreational trail categories analogous to the existing categories for linear-type projects, including electrical transmission lines (subp. 6), pipelines (subp. 7), and highways (subp. 22). As stated in the 1982 SONAR, linear projects "usually entail greater impact as a function of increased length." (pg. 119) Although different types of linear projects differ in the extent of their potential for various environmental impacts, generally speaking they all vary in accordance with project length. Specifically for recreational trails, while different types of trails or trail uses vary in their potential for impacts such as ecological damage, runoff and erosion, damage to water resources, and noise, the potential for these impacts will tend to increase with the length of the project simply because, all else being equal, a longer trail has more likelihood of encountering sensitive resources of whatever kind. Another benefit of using length as a surrogate for impact potential is that it is "use neutral." A number of commenters, particularly motorized use organizations, were very concerned about some trail users being "singled out" in the proposed rules, i.e., treated differently than other types of users. Using trail length as the threshold parameter avoids this concern. Finally, length is a basic parameter of trail design that is easy to determine in the early stages of design, promoting an early determination of the need for EAW preparation with accompanying planning efficiency.</p> <p>The thresholds of 10 and 20 miles were chosen for a number of reasons. Most fundamentally, for almost all types of projects covered by the existing mandatory and exemption categories there is a "gap" between the magnitudes of project that are exempt and the smallest projects for which review is mandatory. Following this principle (in the absence of any compelling reasons</p>	<p>Local: Permission to cross land Land alteration permit Site permit application WCA mitigation plan</p> <p>State: Construction stormwater general permit 401 certification Section 4(f) evaluation Special use permit for highway crossings Lease agreement State grant Public water work permit WCA mitigation plan SNA permit to cross & trail maintenance agreement</p> <p>Federal: 404 permit Federal grant</p>	<p>Summary: 4 EAWs have been prepared for projects under this category since the rule came into effect in 2004. Two were for hiking trails, one for a mountain bike trail and one for an OHV trail. Several potential environmental issues, including some that are not directly regulated, were evaluated. Unregulated potential impacts included wildlife habitat effects, wildlife disturbance, and native plant community impacts. No single permit regulates these projects as a whole, so environmental review was the only formal opportunity to analyze effects of the whole project. Permits associated with this category have gaps and overlaps in authority, and many do not include a public review process.</p> <p><u>Recommendation:</u> Maintain this EAW category.</p>

TABLE D-1: MANDATORY EAW CATEGORIES: MINNESOTA DEPARTMENT OF NATURAL RESOURCES as RGU				
Mandatory EAW Category	Category Text	Intended Historical Purpose (SONAR)	Potential Local, State, Federal Permits, Laws, Ordinances that may (or may not) apply	Should category be modified, eliminated, or unchanged based on relationship to existing permits or other federal/state/local laws/ordinances?
		<p>not to), the EQB chose to set the mandatory EAW thresholds at some reasonable number of miles, rather than including trails of all lengths (as many commenters had advocated, at least for motorized trails). Further, the most common ratio of the sizes of exemption thresholds to mandatory EAW thresholds among the existing categories is 1:10. Following that reasoning, the proposed threshold of 10 miles for mandatory EAWs for most trails and the numerical exemption thresholds of (less than) 1 mile at items A and C of the proposed exemption categories are reasonable choices. Since snowmobiles and cross-country skiing have a lesser potential for impacts, doubling the threshold to 20 miles is a reasonable choice for those types of trails.</p> <p>Another reason for choosing 10 miles as the basic threshold number is that it makes sense when compared to the thresholds for the other linear-type projects in other subparts. The highway categories have a length threshold of 1 mile, pipelines, either 0.75 or 5 miles depending upon the nature of the product transported and other factors, and transmission lines, 20 miles. Most people would undoubtedly agree that recreational trails in general pose less potential for environmental impacts than most highway or pipeline projects, and somewhat more than electrical transmission line corridors (where there is little activity after construction is completed, little potential for impacts beyond the right-of-way, and less direct physical intrusion by the structures than from a continuous trail surface).</p> <p>One way to check on the reasonableness of proposed thresholds is to compare estimates of how many EAWs would result with the numbers of EAWs prepared due to other existing mandatory categories. The EQB recently examined mandatory EAW records from the 4-year period 2000-2003 to compare one category with another. The data from that analysis showed that during that time 570 EAWs were prepared due to the 35 existing EAW categories, an average of 143 per year. Only 10 of the 35 categories resulted in at least 5 EAWs per year and the median number was 1 EAW per year per category. Using the DNR's estimate from section III.A factor #5 of 3 EAWs per year likely to result from the proposed recreational trail categories, it appears that the number of EAWs likely due to the proposed thresholds would fall roughly mid-pack when compared to all 36 categories.</p>		
<p>4410.4300</p> <p>Recreational trails</p> <p>subp. 37 B</p>	<p>B. Designating at least 25 miles of an existing trail for a new motorized recreational use other than snowmobiling.</p> <p>In applying items A and B, if a proposed trail will contain segments of newly constructed trail and segments that will follow an existing trail but be designated for a new motorized use, an EAW must be prepared if the sum of the quotients obtained by dividing the length of the new construction by ten miles and the length of the existing but newly designated trail by 25 miles, equals or exceeds one.</p>	<p>(2004) Item B covers situations where a governmental unit is proposing a change in authorized uses on an existing trail to allow use by a form of motorized recreational vehicle not previously allowed to use the trail. The threshold is proposed as 25 miles, two and one-half times the main threshold of item A, on the basis that the potential for environmental damage is diminished by the fact that a trail already traverses the route. This category is proposed to exclude the designation of snowmobile use, which instead is proposed for an exemption (see the section later on Exemptions for the rationale).</p> <p>This provision is proposed to deal with the likely common occurrence where a planned trail will include segments of new alignment and also segments with new use designations on existing trails. In such cases, how can it be determined if the mandatory review thresholds are exceeded? The solution proposed is borrowed from existing subparts of 4410.4300. At subparts 19 and 32, residential developments and mixed residential and commercial projects a</p>	<p>Local: Approval for bridges Lease amendment</p> <p>State: Construction stormwater general permit 401 certification State trail plan amendment State funding Public water work permit WCA mitigation plan</p> <p>Federal: 404 permit</p>	<p>Summary: 1 EAW has been prepared for a project under this category since the rule came into effect in 2004. Currently, many trail projects are proposed for State Forest lands that went through the legislatively mandated designation process (2004-2008). Classification of the State Forests with respect to motor vehicle use was pursuant to Minnesota Laws 2003, Chapter 128, Article 1, Section 167, Subdivision 1 (as amended) and Minnesota Rules, part 6100.1950. Trail segments where the proposed type of OHV use is already allowed are not included in the mileage for determining whether the subpart 37A or 37B threshold has been reached or exceeded. In addition, mileage of OHV trails that use existing road corridors outside of state forests is not included in the threshold determination. Although few projects have recently been proposed that would require preparation of an EAW under this threshold, the DNR still believes the issues identified in the 2004 SONAR that created this category remain valid.</p> <p>Recommendation: Retain this EAW category; consider modifications regarding how miles of new types of motorized trail use are calculated. Also consider not counting new motorized uses on abandoned rail grades toward Item 37B threshold.</p>

TABLE D-1: MANDATORY EAW CATEGORIES: MINNESOTA DEPARTMENT OF NATURAL RESOURCES as RGU				
Mandatory EAW Category	Category Text	Intended Historical Purpose (SONAR)	Potential Local, State, Federal Permits, Laws, Ordinances that may (or may not) apply	Should category be modified, eliminated, or unchanged based on relationship to existing permits or other federal/state/local laws/ordinances?
		similar arithmetic operation is prescribed for determining if review is mandatory. Here is an example of how this method would work: suppose an ATV trail is proposed with a total length of 18 miles, 8 on new alignment and 10 as a designation of an existing snowmobile trail for ATV use. To determine if an EAW is mandatory divide 8 by 10 (quotient = 0.8), and 10 by 25 (quotient = 0.4), then add the quotients (0.8 + 0.4 = 1.2). Since the sum of 1.2 exceeds 1, review is mandatory for this project.		
4410.4300 Recreational trails subp. 37 C	C. Paving ten or more miles of an existing unpaved trail, unless exempted by part 4410.4600, subpart 27, item B or F. Paving an unpaved trail means to create a hard surface on the trail with a material impervious to water.	(2004) Item C would require preparation of a mandatory EAW for situations where an existing unpaved trail is upgraded by paving it for a length of at least 10 miles. The rationale is that creating an impervious surface over that length of trail creates sufficient potential for runoff and erosion problems to warrant review. The clause about exemptions is included to clarify that the reconstruction of a paved trail or the construction or rehabilitation of a paved, non-motorized trail within the Twin Cities Metropolitan Regional Park System is exempt, rather than covered by this category if the length exceeds 10 miles.	Local: Roadway utility permit WCA mitigation plan State: Construction stormwater general permit 401 certification State grant Public water work permit Federal: 404 permit Federal grant	Summary: 1 EAW has been prepared for a project under this category since the rule came into effect in 2004. In that project, DNR found that paving on an abandoned railroad grade had minor environmental effects because environmental disturbance in the corridor had already occurred and project-specific disturbance was minimal; and since significant compaction had already occurred. Although few projects have recently been proposed that would require preparation of an EAW under this threshold, the DNR still believes the issues identified in the 2004 SONAR that created this category remain valid. <u>Recommendation:</u> Maintain this EAW category, but provide an exemption for paving trails on abandoned railroad grades.
4410.4300 Recreational trails subp. 37 D	D. Constructing an off-highway vehicle recreation area of 80 or more acres, or expanding an off-highway vehicle recreation area by 80 or more acres, on agricultural land or forested or other naturally vegetated land.	(2004) Item D deals with recreation areas for off-highway vehicles. Such areas would include an intensive network of trails as well as special events areas designed especially for various types of off-highway vehicles. Because of the concentrated network of trails, it is appropriate to provide a separate mandatory EAW category for recreation areas, and to base the threshold on acreage rather than trail length. Two thresholds are proposed, one for “undisturbed,” naturally vegetated land or agricultural land and another for land that either is not naturally-vegetated or agricultural, or has been previously disturbed to a great extent by human activities. The proposed 80 acre threshold for naturally-vegetated and agricultural areas corresponds with the threshold used in the land use conversion mandatory category at subpart 36, which deals with the permanent conversion of such lands to more intensive human uses.		Summary: No EAWs have been prepared for a project under this category since the rule came into effect in 2004. The DNR still believes the issues identified in the 2004 SONAR that created this category remain valid. <u>Recommendation:</u> Maintain this EAW category.
4410.4300 Recreational trails subp. 37 E	E. Constructing an off-highway vehicle recreation area of 640 or more acres, or expanding an off-highway vehicle recreation area by 640 or more acres, if the land on which the construction or expansion is carried out is not agricultural, is not forested or otherwise naturally vegetated, or has been significantly disturbed by past human activities such as mineral mining.	(2004) The most likely disturbed areas to be used for recreation areas are former mine sites, so the rule explicitly lists metallic and non-metallic mining as past human activities making land suitable for the “disturbed” classification. The only existing recreation area for OHVs was established by the DNR on a former mine site near Gilbert and another similar area near Virginia has been authorized but not yet built. For non-naturally-vegetated lands, agricultural, or disturbed lands, a much higher threshold is appropriate and thus 640 acres was chosen; this provides a 1:8 ratio and sets the threshold equal to the common land measure of one section.		Summary: No EAWs have been prepared for a project under this category since the rule came into effect in 2004. The DNR still believes the issues identified in the 2004 SONAR that created this category remain valid. <u>Recommendation:</u> Maintain this EAW category.
4410.4300 Recreational trails	F. Some recreation areas for off-highway vehicles may be constructed partially on agricultural naturally vegetated land and partially on land that is not agricultural, is not forested or otherwise naturally vegetated,	(2004) Since it is likely that recreation areas could be proposed on lands subject to both thresholds, the same arithmetic method for determining if review is mandatory as is proposed at items A and B is proposed to be used here as well.	Local: Land use zoning approval State: Construction stormwater general	Summary: 1 EAW has been prepared for a project under this category since the rule came into effect in 2004. Potential environmental issues, including some that are not directly regulated, were evaluated. Unregulated potential impacts included wildlife habitat effects, wildlife disturbance, native plant community impacts and disturbance of nearby residents. No single permit regulates these types of projects as a whole, so environmental review was

TABLE D-1: MANDATORY EAW CATEGORIES: MINNESOTA DEPARTMENT OF NATURAL RESOURCES as RGU				
Mandatory EAW Category	Category Text	Intended Historical Purpose (SONAR)	Potential Local, State, Federal Permits, Laws, Ordinances that may (or may not) apply	Should category be modified, eliminated, or unchanged based on relationship to existing permits or other federal/state/local laws/ordinances?
subp. 37 F	or has been significantly disturbed by past human activities. In that case, an EAW must be prepared if the sum of the quotients obtained by dividing the number of acres of agricultural or naturally vegetated land by 80 and the number of acres of land that is not agricultural, is not forested or otherwise naturally vegetated, or has been significantly disturbed by past human activities by 640, equals or exceeds one.		permit 401 certification State funding Public water work permit WCA mitigation plan Federal: 404 permit	the only opportunity to analyze effects of the whole project. Permits associated with this category have gaps and overlaps in authority, and many do not include a public review process. <u>Recommendation:</u> Maintain this EAW category.

TABLE D-2: MANDATORY EIS CATEGORIES: MINNESOTA DEPARTMENT OF NATURAL RESOURCES as RGU				
Mandatory EIS Category	Category Text	Intended Historical Purpose (SONAR)	Potential Local, State, Federal Permits, Laws, Ordinances that may (or may not) apply	Should category be modified, eliminated, or unchanged based on relationship to existing permits or other federal/state/local laws/ordinances?
4410.4400 Underground Storage subp. 7 A	Underground storage. Items A and B designate the RGU for the type of project listed: A. For construction of an underground storage facility for gases or liquids that requires a permit pursuant to Minnesota Statutes, section 1031.681 , subdivision 1, paragraph (a), the DNR shall be the RGU.	(1982) This category is proposed because this type of project is new and largely untested, is very large in scope, has the potential for groundwater contamination and serious human health impacts and is very controversial. Minn. Stat. § 84.57 mandates a permit for the displacement of groundwater by the underground storage of gases or liquids under pressure. The Department of Natural Resources (DNR) is the responsible permitting agency. No specific rules have been promulgated regarding this authority. One facility of this type has been constructed in Minnesota. No EIS was prepared for that facility. The DNR is currently processing a second application. An EIS has been ordered on the proposed facility. The primary environmental effects of concern on this type of project are groundwater quantity and quality impacts. The lack of a formal process for citizen comment further documents the need for environmental review of this type of activity.	State: Minnesota Statutes, section 1031.681 Minnesota Rules, part 6115.0130 Minnesota Statutes, chapter 216B Minnesota Rules, Chapter 7851	Summary: Two state projects currently involve underground storage. Both were developed prior to MEPA. Both also require a great deal of ongoing regulatory oversight indicating that potential long-term management and possible environmental and human health consequences of such projects are high. <u>Recommendation:</u> Maintain this EIS category.
4410.4400 Underground Storage subp. 7 B	B. For construction of an underground storage facility for gases or liquids, using naturally occurring rock materials, that requires a permit pursuant to Minnesota Statutes, section 1031.681 , subdivision 1, paragraph (b), the DNR shall be the RGU.	(1982) Minn. Stat. § 84.621 mandates a permit for the storage Of gases or liquids, other than water, in natural rock formations underground. These formations could be naturally occurring or the result of the mining of rock material to create a storage site in a rock formation. No facilities of this .type currently are found in Minnesota and no formal proposals have been presented. It is known, however, that the concept of mining rock to create an underground Cavity in the bedrock is being discussed. The purpose of the cavity would .be to potentially store petroleum products. The primary environmental concerns associated with such an activity would be related to groundwater quality and safety concerns. The DNR is the responsible permitting agency for this type of activity. No specific rules have been promulgated regarding this authority. The lack of a formal process for citizen comment further documents the need for environmental review of this type of activity.	State: Minnesota Statutes, section 1031.681 Minnesota Rules, part 6115.0130 Minnesota Statutes, chapter 216B Minnesota Rules, Chapter 7851	Summary: Two state projects currently involve underground storage. Both were developed prior to MEPA. Both also require a great deal of ongoing regulatory oversight indicating that potential long-term management and possible environmental and human health consequences of such projects are high. <u>Recommendation:</u> Maintain this EIS category.
4410.4400 Metallic mineral mining and	Metallic mineral mining and processing. Items A to C designate the RGU for the type of project listed:	(1982) Extensive evaluation of radioactive deposits has been elevated to a mandatory EIS category pursuant to 6 MCAR § 3.039 G.I. because of the increased potential for adverse environmental impacts and human health impacts. The 1,000 ton threshold was recommended by the DNR as a feasible		Summary: Review of recently prepared EISs indicates that several potential environmental issues, including some that are not directly regulated, were evaluated. Unregulated potential impacts included wildlife habitat effects, native plant community impacts, and cumulative effects to a number of natural resources and environmental concerns such as mercury in fish

TABLE D-2: MANDATORY EIS CATEGORIES: MINNESOTA DEPARTMENT OF NATURAL RESOURCES as RGU				
Mandatory EIS Category	Category Text	Intended Historical Purpose (SONAR)	Potential Local, State, Federal Permits, Laws, Ordinances that may (or may not) apply	Should category be modified, eliminated, or unchanged based on relationship to existing permits or other federal/state/local laws/ordinances?
processing subp. 8 A	A. For mineral deposit evaluation involving the extraction of 1,000 tons or more of material that is of interest to the proposer principally due to its radioactive characteristics, the DNR shall be the RGU.	threshold to indicate a concern for significant adverse environmental impacts. This threshold is near the limit of ore commonly analyzed for evaluation of the deposit.		tissue and wild rice abundance. No single permit regulates the project as a whole, so environmental review was the only opportunity to analyze effects of the whole project. Permits associated with this category have gaps and overlaps in authority, and many do not include a public review process. EISs are commonly joint state-federal. Numerous public comment letters are commonly received. Public comments have often identified substantive environmental concerns and offered recommendations for modification, mitigation and areas needing further evaluation. <u>Recommendation:</u> Maintain this EIS category.
4410.4400 Metallic mineral mining and processing subp. 8 B	B. For construction of a new facility for mining metallic minerals or for the disposal of tailings from a metallic mineral mine, the DNR shall be the RGU.	(1982) Metallic mineral mining activities may have the potential for significant impacts on ground and surface water quality and quantity, air quality, land use impacts and demographic impacts that may disrupt the local economy. 6 MCAR § 3.039 G.2. requires a mandatory EIS for all new metallic mineral mining proposals. An all or none threshold is used because these activities must be of an economically feasible scale and that scale would, of necessity, be sufficient to potentially pose the threat of significant impacts.	Local: Commercial septic tank permit Building permit Grading permit State: Permit to mine Water appropriation permit Public water work permit Dam safety permit Burning permit Listed species takings permit Part 70 operating permit Title V air permit modification Construction stormwater general permit Industrial stormwater permit NPDES/SDS permit 401 certification Waste tire storage permit Storage tank permit Solid waste permit Hazardous waste generator and storage Demolition debris disposal facility permit Radioactive material registration Noncommunity nontransient public water system Federal: 404 permit	Summary: Review of recently prepared EISs indicates that several potential environmental issues, including some that are not directly regulated, were evaluated. Unregulated potential impacts included wildlife habitat effects, native plant community impacts, and cumulative effects to a number of natural resources and environmental concerns such as mercury in fish tissue and wild rice abundance. No single permit regulates the project as a whole, so environmental review was the only opportunity to analyze effects of the whole project. Permits associated with this category have gaps and overlaps in authority, and many do not include a public review process. EISs are commonly joint state-federal. Numerous public comment letters are commonly received. Public comments have often identified substantive environmental concerns and offered recommendations for modification, mitigation and areas needing further evaluation. <u>Recommendation:</u> Maintain this EIS category.
4410.4400 Metallic mineral mining and processing subp. 8 C	C. For construction of a new metallic mineral processing facility, the DNR shall be the RGU.	(1982) Metallic mineral processing facilities have the potential for significant impacts on ground and surface water quantity and quality, air quality, and demographic impacts that may disrupt the local economy. 6 MCAR § 3.039 G.3. requires a mandatory EIS for all new processing facilities. An all or none threshold is used because these facilities must be of an economically feasible scale and that scale would of necessity, be sufficient to pose the threat of significant impacts.	Local: Commercial septic tank permit Building permit Permit for construction in shoreland area Zoning variances State: Permit to mine Water appropriation permit Public water work permit	Summary: Review of recently prepared EISs indicates that several potential environmental issues, including some that are not directly regulated, were evaluated. Unregulated potential impacts included wildlife habitat effects, native plant community impacts, and cumulative effects to a number of natural resources and environmental concerns such as mercury in fish tissue and wild rice abundance. No single permit regulates the project as a whole, so environmental review was the only opportunity to analyze effects of the whole project. Permits associated with this category have gaps and overlaps in authority, and many do not include a public review process. EISs are commonly joint state-federal. Numerous public comment letters are commonly received. Public comments have often identified substantive environmental concerns and offered recommendations for modification, mitigation and areas needing further evaluation.

TABLE D-2: MANDATORY EIS CATEGORIES: MINNESOTA DEPARTMENT OF NATURAL RESOURCES as RGU				
Mandatory EIS Category	Category Text	Intended Historical Purpose (SONAR)	Potential Local, State, Federal Permits, Laws, Ordinances that may (or may not) apply	Should category be modified, eliminated, or unchanged based on relationship to existing permits or other federal/state/local laws/ordinances?
			Dam safety permit Burning permit Listed species takings permit Part 70 operating permit Title V air permit modification Construction stormwater general permit Industrial stormwater permit NPDES/SDS permit 401 certification Waste tire storage permit Storage tank permit Solid waste permit Hazardous waste generator and storage Demolition debris disposal facility permit Radioactive material registration Noncommunity nontransient public water system Government loan/grant High Voltage Transmission Line routing permit Federal: 404 permit Permit for tower construction next to existing radar	<u>Recommendation:</u> Maintain this EIS category.
4410.4400 Nonmetallic mineral mining subp. 9 A	Nonmetallic mineral mining. Items A to C designate the RGU for the type of project listed: A. For development of a facility for the extraction or mining of peat which will utilize 320 acres of land or more during its existence, the DNR shall be the RGU.	(1982) The extraction of peat resources has the potential for causing environmental impacts relating to land use, air quality, water quality, mining and drainage. Current peat mining activities tend to be of small scale and for the purpose of marketing the peat as a horticultural product or as a briquet fuel. Peat mining is expected to be extremely controversial if proposals develop to utilize the resource for other energy uses. Data based on actual development of these resources on a broad scale is limited. The threshold levels of 160 acres for a mandatory EAW (6 MCAR § 3.038 K.1.) and 320 acres for a mandatory EIS (6 MCAR § 3.039 H.1.) coincide with Department of Natural Resources policy as set forth in the Minnesota Permit Program Policy Recommendations. In the current rules the 320 acre threshold for an EAW for nonmetallic resources would have applied to peat extraction.	Local: Land exchange/purchase lease Permit to divert water (Watershed District) Reassessment of drainage tax Ditch improvements State: Permit to mine peat Water appropriation permit Construction stormwater general permit Industrial stormwater permit NPDES/SDS permit 401 certification Above ground storage tank permit Air quality permit Land exchange/purchase/lease Federal: 404 permit	Summary: Very few peat mining operations have prepared environmental documents in the last ten years; however DNR has been in communication and has received proposed projects within this same time period. Each of these projects may have had the potential for significant environmental effects and thus environmental review was appropriate. The relationship of these proposals to federal requirements under Section 404 of the Clean Water Act has been difficult. There has been no information or data to indicate that the 320 acre threshold needs revision. <u>Recommendation:</u> Maintain this EIS category
4410.4400	Water appropriation and impoundments. For construction of a Class I dam, the DNR shall be the RGU.	(1982) Dam construction and safety is regulated by the ONR pursuant to 6 MCAR § 1.5030. Environmental review is necessary because of the potential for significant property damage and danger to human safety. The ONR	State: Dam safety permit Public water work permit	Summary: DNR is currently preparing an EIS under this category. In addition to property damage/loss and human safety, potential significant impacts to fish habitat, river ecology, hydrology, water quality have been identified. Some of these impacts, for example water

TABLE D-2: MANDATORY EIS CATEGORIES: MINNESOTA DEPARTMENT OF NATURAL RESOURCES as RGU				
Mandatory EIS Category	Category Text	Intended Historical Purpose (SONAR)	Potential Local, State, Federal Permits, Laws, Ordinances that may (or may not) apply	Should category be modified, eliminated, or unchanged based on relationship to existing permits or other federal/state/local laws/ordinances?
<p>Water appropriation and impoundments</p> <p>subp. 18</p>		<p>regulations are based on the comparative impact potential of the dams. The existing DNR dam classifications were used as thresholds for the EIS category at 6 MCAR § 3.039 Q.</p>	<p>Water appropriation permit</p> <p>Federal: Federal funding 404/10 approval</p>	<p>quality and fisheries, are not addressed thoroughly in dam safety permitting, which is a dominant regulatory approval for this type of project. State environmental review is also the only available public review process for this type of project.</p> <p><u>Recommendation:</u> Maintain this EIS category</p>
<p>4410.4400</p> <p>Water diversions</p> <p>subp. 23</p>	<p>Water diversions. For a diversion of waters of the state to an ultimate location outside the state in an amount equal to or greater than 2,000,000 gallons per day, expressed as a daily average over any 30-day period, the DNR is the RGU.</p>	<p>(1988) This new category is proposed at the suggestion of the DNR, and is in recognition of the awareness that has been developed in recent years that the state may be faced in the future with the question of whether and under what circumstances it should permit the diversion of water to other parts of the country. Obviously, environmental impacts of any such diversion would be one of the major factors involved in decisions. Since the EIS is the established and recognized tool for examining environmental impacts of alternatives, it would be appropriate to require an EIS as part of the decision-making process for out-of-state diversion proposals.</p> <p>This proposal is also consistent with the intent of the water supply provisions of Minn. Stat., section 105.405, subdivisions 2 and 4. Subdivision 2 requires that prior to the issuance of permits for out-of-state diversions, the DNR must determine that the water remaining in the basin of origin will be adequate to meet the basin’s water resources needs throughout the diversion project. Subdivision 4 specifically applies to very large water diversions (over 5,000,000 gallons per day average in any 30-day period) of waters from the Great Lakes basin and requires that prior to the issuance of permits for such diversions, the DNR must notify, solicit comments, and consider the comments and concerns of other states, Canadian provinces, and certain joint U.S.-Canadian study groups. Preparation of an EIS is an appropriate method to provide the information necessary for the DNR to make these determinations.</p> <p>The numerical threshold is based on the recommendation of the DNR. It is proposed as the threshold at which a diversion proposal becomes significant enough to warrant analysis through the EIS process.</p> <p>Because of its statutory authorities over water appropriations and its expertise, the DNR is proposed as the RGU.</p>	<p>State: Water appropriation permit M.S. 103G.261(5)(f) M.S. 103G.265 M.S. 103G.801</p>	<p>Summary: Although a project has not yet been proposed that would require preparation of an EIS under this threshold, the DNR still believes the issues identified in the 1988 SONAR that created this category remain valid.</p> <p><u>Recommendation:</u> Maintain this EIS category.</p>

APPENDIX E: MINNESOTA POLLUTION CONTROL AGENCY CATEGORIES

Category	Intended Historical Purpose - SONAR (Year)	Government Actions	Analysis and Recommendation
<p><u>Petroleum Refineries</u></p> <p>4410.4300 subp. 4</p> <p>EAW Threshold: Expansion of an existing petroleum refinery facility that increases its capacity by 10,000 or more barrels per day,</p> <p>4410.4400 subp 4</p> <p>EIS Threshold: Construction of a new petroleum refinery facility,</p>	<p>(1982) – SONAR</p> <p>General: This category area is proposed because of the potential for environmental impacts relating to air pollution, transportation, energy use, toxic discharge, spills, water pollution, and odors resulting from these facilities.</p> <p>EIS: The EIS threshold proposed was a part of the EAW threshold of the current rules. It is likely that an EIS would have been prepared on new facilities pursuant to the current procedures because of the expected impacts and the need for environmental review.</p>	<p>MPCA Air Emissions Permit NPDES Wastewater Discharge NPDES General Stormwater construction Permit NPDES Stormwater Permit for Industrial Activity Above Ground Storage Tank</p> <p>MnDOT Highway Crossing Permit Utility Permit to work in the State Right-of-way</p> <p>Fire Marshall</p> <p>Plan Review for Above Ground Storage Tanks COUNTY</p> <p>Conditional Use Permit Building Permit CITY</p> <p>Conditional Use Permit Permit for Discharge of Industrial Wastewater Plan Review and Approval Building Permit</p>	<p>EAW: No Changes EIS: No Changes</p> <p>– The issues, concerns and potential impacts outlined in the SONAR are still valid today. Project information and the opportunity to comment are provided to decision makers in multiple jurisdictions. High level of public interest.</p>

Category	Intended Historical Purpose - SONAR (Year)	Government Actions	Analysis and Recommendation
<p><u>Fuel Conversion Facilities</u></p> <p>4410.4300 subp 5</p> <p>EAW Thresholds:</p> <p>A. Construction of a facility for the conversion of coal, peat, or biomass sources to gaseous, liquid, or solid fuels if that facility has the capacity to utilize 25,000 dry tons or more per year of input,</p> <p>B. Construction or <u>expansion</u> of a facility for the production of alcohol fuels which would have or would increase its capacity by 5,000,000 or more gallons per year of alcohol produced,</p> <p>4410.4400 subp. 5</p> <p>EIS Thresholds:</p> <p>A. Construction of a facility for the conversion of coal, peat, or biomass sources to gaseous, liquid, or solid fuels if that facility has the capacity to utilize 250,000 dry tons or more per year of input,</p> <p>B. For construction or <u>expansion</u> of a facility for the production of alcohol fuels which would have or would increase its capacity by 50,000,000 or more gallons per year of alcohol produced if in the 7-county Twin Cities Metro area or by 125,000,000 or more gallons per year if outside that area,</p>	<p>(1982 – SONAR)</p> <p>This category area is proposed because of the potential for environmental impacts resulting from these facilities and because there are many areas of controversy relating to potential impacts of these types of categories since they are largely untested in practice. Specific categories recommended with this category area include:</p> <p>A. The current EAW category was designed primarily to deal with the potential for coal or peat conversion. This category was developed at a time when the likelihood of such a proposal was fairly remote. The proposed rules attempt to distinguish potential size differences for such projects and to distinguish those projects from alcohol production.</p> <p>Fuel conversion facilities for coal and peat have the potential for significant impacts with regard to air pollutant and water pollutant discharges, and transportation impacts. The state currently has no facilities of this nature. If such a proposal is submitted, it is likely to be highly controversial because of these potential impacts and because of the energy policy issues it would present.</p> <p>B. Fuel conversion facilities for alcohol production are generally viewed as having a lesser potential for significant environmental impact. In addition, the technology for alcohol production has been tested and applied; consequently, more data on environmental impacts is available. These facilities are likely to become more common in the future; therefore, controversy relating to use of natural areas for energy production and the use of agricultural land for energy production is anticipated.</p> <p>EIS Same as above</p> <p>A. Same as above</p> <p>B. Same as above</p>	<p><u>FEDERAL</u></p> <p>Alcohol Tobacco Tax and Trade Bureau Distiller’s Permit U.S. Corp of Engineers 404 General Permit Section 404 Permit for the installation of water supply pipeline U.S. Fish and Wildlife Service</p> <p><u>STATE</u></p> <p>MPCA</p> <p>Air Emissions Permit NPDES/SDS industrial stormwater Discharge Permit NPDES Authorization to discharge hydrostatic test water SDS Utility Water Holding Pond Permit NPDES General stormwater Permit for construction activity Very Small Hazardous Waste Generators License Above Ground Storage Tank Permit Minnesota River Basin General Permit</p> <p>DNR</p> <p>Water Appropriation Permit Work in Public Waters Permit Work in Public Lands Permit Natural Heritage and Nongame Database Review</p> <p>Mn Department of Agriculture</p> <p>Agricultural Liming License Minnesota Historical Society Archeological Survey Construction Easements Minnesota State Historical Concurrences on Findings of Cultural Preservation Office Resource Impacts Mississippi National River and Recreation Area</p>	<p>Subpart A: Recommend review of definition of biomass in EQB Rules to ensure consistency with term as used in other rules or statutes.</p> <p>EAW Threshold – No Change EIS Threshold – No change</p> <p>Legislative changes have been made to this category (Item A) over the years. No additional changes appear to be necessary or warranted at this time.</p> <p>Project information is provided to decision makers in multiple jurisdictions. High level of public interest. Coal and peat conversion facilities have not been reviewed under this category.</p>

Category	Intended Historical Purpose - SONAR (Year)	Government Actions	Analysis and Recommendation
		Critical Area Site Plan Approval Mn Department of Transportation Highway Crossing Permit Utility Permit to work in the State Right-of-way Mn Department of Health Dewatering Well Construction Permit Monitoring Well Construction Permit Plumbing and Engineering Plumbing Plan Review Special Well Construction Area Approval Fire Marshal Plan Approval Mn Department of Public Safety Above Ground Flammable and Combustible Liquids Review <u>COUNTY</u> Conditional Use Permit Utilities Permit On-site Septic Permit Building Permit Driveway Permit Incinerator Permit Permit to dispose at the County Landfill Ditch Use Authorization Watershed Districts Watershed District Permit <u>CITY</u> Building Permit Utilities Permit Industrial Stormwater Agreement Conditional Use Permit	

Category	Intended Historical Purpose - SONAR (Year)	Government Actions	Analysis and Recommendation
<p><u>Transfer Facilities</u></p> <p>4410.4300 subp. 8</p> <p>EAW Thresholds:</p> <p>A. Construction of a facility designed for or capable of transferring 300 tons or more of coal per hour or with an annual throughput of 500,000 tons of coal from one mode of transportation to a similar or different mode of transportation; or the expansion of an existing facility by these respective amounts,</p> <p>B. Construction of a new facility or the expansion by 50 percent or more of an existing facility for the bulk transfer of hazardous materials with the capacity of 10,000 or more gallons per transfer, if the facility is located in a shoreland area, delineated flood plain, a state or federally designated wild and scenic rivers district, Minnesota River Project Riverbend area, or the Mississippi headwaters area,</p>	<p>1982 - SONAR</p> <p>The category area is proposed because of environmental impacts associated with operation of the facilities, because these facilities are typically located near water resources and because these facilities are often very controversial in the immediate vicinity. Specific categories recommended within this category area include:</p> <p>A.</p> <p>The need for the category relating to coal transfer facilities was voiced early in the process of developing category areas. Concerns documenting this need included fugitive dust emissions, leaking, noise levels, transportation related issues, local land use issued, and potential water pollution issues if the facilities is located near a water resource. The threshold was developed to be consistent with certificate of need definitions. The threshold used corresponds to the definition of "coal transshipment facility". The exemption category threshold was set at 10% of this threshold. The intention of the exemption threshold is to prevent petitions for minor industrial operations where coal is used as an energy source. If operations of this nature have the potential for significant impacts, the issue should be raised pursuant to the primary purpose of the activity.</p> <p>B. The need for the category relating to the transfer of hazardous materials was raised during the public participation process. The primary concerns documenting this need included the potential for spills resulting in serious water contamination if that facility is near water resources. The threshold was derived to be higher than the amount of material carried by an average truck transport but still sensitive enough to apply to large transfer facilities associated with barge transportation.</p>	<p>FEDERAL</p> <p>Army Corp of Engineers</p> <p>Section 404 Wetland Permit</p> <p>STATE</p> <p>MPCA</p> <p>NPDES General Construction Stormwater permit</p> <p>NPDES Industrial Stormwater Permit</p> <p>Above Ground Storage Tank Permit</p> <p>Section 401 Water Quality Certificate</p> <p>Air Emissions Permit</p> <p>Minnesota Department Of Transportation</p> <p>Access Permit</p> <p>DNR</p> <p>Minnesota Natural Heritage Database Search</p> <p>Work with in Waters of the State Permit</p> <p>Minnesota State Historical Preservation Office</p> <p>Cultural Resources Review</p> <p>COUNTY</p> <p>Conditional Use Permits</p> <p>Septic System Permit</p> <p>Watershed Districts</p> <p>Watershed Permits</p> <p>CITY</p> <p>Building Permit</p> <p>Conditional Use Permit</p> <p>Fire Department Re</p>	<p>Subpart A:</p> <p>EAW Threshold – No changes</p> <p>EIS Threshold – No changes</p> <p>No change to this category, however, a review of the use of coal and peat is suggested as it relates to Subpart A.</p> <p>Project information is provided to decision makers in multiple jurisdictions</p> <p>Subp B. No change</p> <p>Project information is provided to decision makers in multiple jurisdictions</p>

Category	Intended Historical Purpose - SONAR (Year)	Government Actions	Analysis and Recommendation
<p>Storage Facilities</p> <p>4410.4300 subp 10</p> <p>EAW Thresholds:</p> <ul style="list-style-type: none"> A. Construction of a facility designed for or capable of storing more than 7,500 tons of coal or with an annual throughput of more than 125,000 tons of coal; or the expansion of an existing facility by these respective amounts, - B. Construction of a facility on a single site designed for or capable of storing 1,000,000 gallons or more of hazardous materials, C. Construction of a facility designed for or capable of storing on a single site 100,000 gallons or more of liquefied natural gas, synthetic gas, or anhydrous ammonia, 	<p>1982 SONAR</p> <p>This category area is proposed because of concerns relating to potential environmental impacts and because of the likelihood of controversy relating to the siting of these types of projects. Specific categories recommended within this category area include:</p> <ul style="list-style-type: none"> A. The need for proposed category was voiced early in the process of developing category areas. Concerns documenting the need for this category include fugitive dust emissions, leaching, transportation related issues, and water pollution issues. The threshold was developed to be consistent with certificate of need definitions. B. The category was changed as a result of comments received during the public participation process to apply to all hazardous materials as opposed to only petroleum fuels. It is likely, however, that only petroleum fuels will be stored in sufficient quantities to trigger this threshold. C. Natural gas and synthetic gas facilities were separated from the proposed petroleum category because the 1,000,000 gallon threshold was unrealistic. Natural and synthetic gases are typically stored in much smaller facilities. These facilities are stored under pressure and create controversy relating to the explosive nature of the facility. <p>1988 SONAR</p> <p>In the experience of the PCA staff, an anhydrous ammonia tank facility of 100,000 gallons or more size has a comparable potential for significant environmental impacts, including danger to the public health, as liquefied or natural gas storage facilities. Consequently, it is reasonable to explicitly add anhydrous ammonia tanks to this category with the same threshold.</p>	<p>Army Corp of Engineers Section 404 Wetland Permit</p> <p>MPCA NPDES General Construction Stormwater permit NPDES Industrial Stormwater Permit Above Ground Storage Tank Permit Section 401 Water Quality Certificate Minnesota Department Of Transportation</p> <p>Access Permit DNR</p> <p>Minnesota Natural Heritage Database Search Minnesota State Historical Preservation Office</p> <p>Cultural Resources Review COUNTY Conditional Use Permits Septic System Permit Watershed Districts</p> <p>Watershed Permits CITY Building Permit Conditional Use Permit</p>	<p>No Changes</p> <p>Issues and concerns identified in the SONAR are still valid.</p> <p>Project information is provided to decision makers in multiple jurisdictions</p> <p>A. Issues and concerns identified in the SONAR are still valid.</p> <p>Project information is provided to decision makers in multiple jurisdictions</p> <p>B. Issues and concerns identified in the SONAR are still valid.</p> <p>Project information is provided to decision makers in multiple jurisdictions</p> <p>C. Issues and concerns identified in the SONAR are still valid.</p> <p>Project information is provided to decision makers in multiple jurisdictions</p>

Category	Intended Historical Purpose - SONAR (Year)	Government Actions	Analysis and Recommendation
<p><u>Paper and Pulp Processing Mills</u></p> <p>4410.4300 subp 13</p> <p>EAW Threshold:</p> <p>For expansion of an existing paper or pulp processing facility that will increase its production capacity by 50 percent or more,</p> <p>4410.4400 subp 10</p> <p>EIS Threshold:</p> <p>For construction of a new paper or pulp processing mill.</p>	<p>1982 SONAR</p> <p>This category area is proposed because of the potential for significant effects on water quality, air quality, solid waste generation, and transportation impacts. These potential impacts are regulated by several different agencies. Environmental review would facilitate multi-agency coordination. Specific categories recommended within this category area include:</p> <p>Paper and pulp processing mills have a broad range of environmental impacts. Water related impacts include the use of large quantities of water and the discharge of both cooling and process waters. Air quality related impacts are primarily associated with power generation at the facility. The degree of the problem is tied to the type and amount of fuel used. Solid wastes in the form of ashes from power generation and sludges from process water treatment may pose serious disposal problems. Raw materials and products of these facilities are bulky materials and the facilities are labor intensive; therefore, transportation and sludges from process water treatment may pose serious disposal problems. Raw materials and products of these facilities are bulky materials and the facilities are labor intensive; therefore, transportation related impacts are likely to be a further issue.</p> <p>Expansions greater than 50% should require an EAW because of the magnitude of additional wastewater and solid waste generated and because of additional air quality and transportation impacts. The current rules did not have a category related to the expansion of these facilities.</p> <p>A ten percent figure is used to exempt minor expansions. This exemption is intended to allow equipment changes, alterations that may increase production efficiency, and minor operational changes without environmental review. Expansions between ten and 50 percent are subject to environmental review on a discretionary basis because such expansions are likely to be of a magnitude that will generate controversy and because of the scope and potential significance of impacts. The current rules do not contain exemptions relating to paper and pulp processing mills.</p> <p>This category area is proposed because of the potential for significant impacts on water quality, air quality, solid waste generation, hazardous waste generation, transportation, land use, demographic and economic impacts on local economies. The spectrum of impacts is diverse and the regulation of the impacts varies in effectiveness with the units of government responsible. This type of project tends to be controversial, as witnessed by the number of projects previously subjected to environmental review. Specific categories recommended within this category area include:</p> <p>EIS The EIS threshold, 6 MCAR § 3.039 I. is set at an all or none threshold for new facilities. This is reasonable because the size of these facilities must be economically practical and that size would have the potential for significant impacts. These are new impacts on the local environment and significant wildlife and land use questions must also be addressed. This category corresponds to the current EAW threshold; however, in practice an EIS is likely to be prepared on a new facility pursuant to current procedures. Therefore, this</p>	<p>MPCA</p> <p>Air Emissions Permit NPDES Discharge Permit NPDES General Construction Permit NPDES Industrial Stormwater Permit Above Ground Tank Permit DNR Water Appropriation Permit MnDOT Highway Crossing Permit Utility Permit COUNTY Conditional Use Permit Building Permit CITY Building Permit Utility Permit Capacity Allocation Agreement Wastewater Treatment Plant</p>	<p>No Changes</p> <p>The issues and concerns identified in the SONAR are still valid.</p> <p>Project information is provided to decision makers in multiple jurisdictions</p> <p>EIS No Changes</p> <p>The issues and concerns identified in the SONAR are still valid.</p> <p>Project information is provided to decision makers in multiple jurisdictions</p>

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	does not represent a major change in the requirements for environmental documents.		

Category	Intended Historical Purpose - SONAR (Year)	Government Actions	Analysis and Recommendation
<p><u>Air Pollution</u></p> <p>4410.4300 subp. 15</p> <p>EAW Threshold:</p> <p>A. For construction of a stationary source facility that generates 250 tons or more per year or modification of a stationary source facility that increases generation by 250 tons or more per year of any single air pollutant, other than those air pollutants described in item after installation of air pollution control equipment, the PCA shall be the RGU.</p> <p>B. For construction of a stationary source facility that generates a combined 100,000 tons or more per year or modification of a stationary source facility that increases generation by a combined 100,000 tons or more per year of greenhouse gas emissions, after installation of air pollution control equipment, expressed as carbon dioxide equivalents, the PCA shall be the RGU. For purposes of this subpart, "greenhouse gases" include carbon dioxide, methane, nitrous oxide, hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride, and their combined carbon dioxide equivalents shall be computed by multiplying the mass amount of emissions for each of the six greenhouse gases in the pollutant GHGs by the gas's associated global warming potential published in Table A-1 to subpart A of Code of Federal Regulations, title 40, part 98, Global Warming Potentials, as amended, and summing the resultant value for each.</p>	<p><u>(1982 SONAR)</u></p> <p>This category area is proposed because of public concern relating to air quality and its impact on human health and the environment, especially via implications relating to acid rain. This category area is proposed because other category areas may not be specific enough to review projects with potentially significant impacts on air quality. Specific categories recommended within this category area include:</p> <p>A</p> <p>The qualitative measure was changed from a measurement of only Particulates and sulfur oxides to a measurement for any single air pollutant. Emissions that would trigger the threshold are likely to be Particulates or sulfur oxides; however, other pollutants, especially nitrogen oxides and ozone, are also of major concern. The measurement is designated as post treatment as an incentive for the installation of proper pollution control equipment. Synergistic impacts are not addressed specifically in the category; however, a lower threshold will facilitate a review of potential synergistic impacts on a case-by-case basis. The quantitative measure was adjusted to a realistic figure. The threshold of 50 tons per day (18,250 tons per year) in the current rule's EAW category was so high it excluded all facilities. Very large and inefficient sources currently in operation in Minnesota would correspond to approximately only 1,000 tons per year. The proposed threshold coincides with federal regulations which classify facilities of 100 tons per year as a major source of air pollution. This threshold is also consistent with the proposed state off-set rule. Technology is available to minimize this impact and past experience has demonstrated that early environmental review can control problems associated with major sources of air pollution.</p> <p><u>1988 Sonar</u></p> <p>The words proposed to be added are intended to extend the coverage of this mandatory category to modifications of air emission facilities which will increase emissions by the same threshold amount as for new facilities. From an environmental standpoint, it is immaterial whether 100 tons of a pollutant came from a totally new facility or a modification of an existing facility. The omission of modified facilities from this category when the rules were adopted in 1982 was probably an unintentional oversight.</p> <p><u>Parking Facilities</u></p> <p>The mandatory category threshold was changed from 1,000 to 2,000 or more vehicles.</p> <p><u>2006 SONAR</u></p> <p>Two changes are proposed in this subpart. In item A, the threshold for air emission sources is proposed to be changed from 100 tons per year to 250 tons per year. Item B, relating to parking facilities, is proposed to be deleted entirely.</p> <p>The threshold for air emission facilities in item A was changed to 100 tons per year in 1982. Since then, item A has been changed only to add that the 100 tons per year threshold applies to modifications of existing facilities as well as new facilities. The MPCA has had 23 years of experience working with this threshold. A threshold change to 250 tons per year is based on recommendations of the MPCA staff. This staff is responsible for permitting facilities that emit air pollutants and environmental review of other projects that are sources of air emissions. A threshold of 250 tons would coincide with the federal threshold for the Prevention of Significant Deterioration permitting</p>	<p>FEDERAL</p> <p>U.S. Fish and Wildlife Service</p> <p>Threatened and Endangered Species Review</p> <p>EPA</p> <p>Hazardous Waste Generators Identification Number</p> <p>STATE</p> <p>MPCA</p> <p>Air Emissions Permit NPDES General Stormwater Construction Permit NPDES industrial Stormwater Activity Permit NPDES Wastewater Discharge Permit Above Ground Tanks Permit Very Small Quantity Hazardous Generator License Beneficial Use Approval for ash land application</p> <p>Minnesota State Historical Preservation Office</p> <p>Concurrence on Findings of Cultural Resources Impacts</p> <p>DNR</p> <p>Water Appropriation Permit Minnesota Natural Heritage Database Search</p> <p>Fire Marshall</p> <p>Plan Review</p> <p>MnDOT</p> <p>Highway Crossing Permit</p> <p>COUNTY</p> <p>Water Shed District Permit Conditional Use Permit</p> <p>CITY</p> <p>Building Permit Conditional Use Permit Sanitary Sewer Hook-up Wastewater Discharge Permit Zoning Certificate Utility Permit</p>	<p>A. No Changes</p> <p>The issues, concerns and potential impacts outlined in the SONARs are still valid today. Project information and the opportunity to comment are provided to decision makers in multiple jurisdictions. Projects tend to have a high level of public interest.</p> <p>B. No Changes</p> <p>This category was changed recently, therefore no additional changes needed at this time.</p>

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	<p>review.</p> <p>There are programs and permits in effect now that were not in effect at the time the current threshold of 100 tons was set. The state of Minnesota now has the Federal Clean Air Act Title V program (sometimes called Part 70 permit). In Minnesota, this is a combined construction and operating permit. A facility needs a Part 70 permit if its potential to emit air pollutants meets or exceeds specific thresholds, which are:</p> <ul style="list-style-type: none"> • 100 tons per year of any criteria pollutant (sulfur dioxide, nitrogen oxides, particulate matter less than 10 microns in diameter; carbon monoxide, and lead); • 10 tons per year or more of any single hazardous air pollutant (about 185); or • 25 tons per year or more of any combination of hazardous air pollutants. <p>There are public notice requirements for Part 70 permits as well as EPA review. In addition, facilities emitting over 100 tons per year of one or more air pollutants often have to conduct air dispersion modeling, undergo an air emissions risk analysis, and for some modifications to existing facilities, must go through a Prevention of Significant Deterioration review, which includes installing best available control technology. The MPCA staff believes that the air emissions permitting program addresses all major and minor concerns regarding air pollutants from new or expanding facilities, particularly those below 250 tons per year of a single pollutant.</p> <p>Certain air emission facilities of concern to the MPCA and the general public are captured in other mandatory environmental review categories. These are:</p> <ul style="list-style-type: none"> • Electric Generating Facilities (25 Megawatts and over) – subpart 3; • Petroleum Refineries - subpart 4; • Fuel Conversion Facilities (mainly ethanol plants) – subpart 5; • Metallic Mineral Mining and Processing – subpart 11; • Paper or Pulp Processing Mills – subpart 13; and • Solid Waste (Incineration) – subpart 17D. • Other potential facilities of concern such as biomass to energy plants under 25 megawatts, soybean oil, and coatings (printing and painting) would most likely be over a 250 ton per year threshold. <p>Environmental review serves the purpose of helping the public, proposer, and government bodies to understand the environmental impact of a proposed project. For that reason, an EAW for the Air Pollution category not only identifies the effects of air pollutants, it also addresses water and waste related issues, as well as issues such as transportation patterns, truck traffic, archeological significance, and wildlife impacts.</p> <p>Between 2000 to 2003, 14 EAWs were completed under the Air Pollution category. Based on a review of these 14 EAWs, it is reasonable to conclude that the amount of air emissions from these projects has little, or no, relationship to the impact of the other environmental issues listed above. Furthermore, of the few public comments that came in on these projects, almost all were about air emissions or issues related to air that are addressed in the air emissions permit. Therefore, the environmental review threshold provides a rather “hit-or-miss” approach for examining other issues, and does not justify setting the threshold at 100 tons per year.</p> <p>These rule revisions will not change the ability for the public to petition the EQB for a proposed project to complete an EAW that is less than 250 tons per year. There are no exemptions for environmental review given to the Air Pollution Category.</p> <p>Because of the extensiveness of air emission permit programs at the MPCA, other environmental review categories covering air emissions, the weak relationship between air emissions and other issues, and the ability of the public to petition for an</p>		

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	EAW, it is reasonable to increase the air pollution category threshold from 100 to 250 tons.		

Category	Intended Historical Purpose - SONAR (Year)	Government Actions	Analysis and Recommendation
<p><u>Hazardous Waste</u></p> <p>4410.4300 subp. 16</p> <p>EAW Thresholds:</p> <p>A. Construction or expansion of a hazardous waste disposal facility</p> <p>B. Construction of a hazardous waste processing facility with a capacity of 1,000 or more kilograms per month</p> <p>C. Expansion of a hazardous waste processing facility that increases its capacity by ten percent or more</p> <p>D. Construction or expansion of a facility that sells hazardous waste storage services to generators other than the owner and operator of the facility or construction of a facility at which a generator's own hazardous wastes will be stored for a time period in excess of 90 days, if the facility is located in a water-related land use management district, or in an area characterized by soluble bedrock</p> <p>4410.4400 subp. 12</p> <p>EIS Thresholds:</p> <p>A. Construction or expansion of a hazardous waste disposal facility for 1,000 or more kilograms per month</p> <p>B. Construction or expansion of a hazardous waste disposal facility in a water-related land use management district, or in an area characterized by soluble bedrock</p> <p>C. Construction or expansion of a hazardous waste processing facility if the facility is located in a water-related land use</p>	<p>1982 Sonar</p> <p>This category area is proposed because of the potential for ground and surface water contamination and the resultant human health and environmental impacts that may result from the disposal, processing and storage of hazardous wastes. Additional concerns include potential air quality, noise and odor impacts, safety questions relating to handling, and transportation and land use issues. This issue was not specifically addressed in the current rules.</p> <p>These facilities are permanent and the danger of contamination is long lasting. The disposal facility categories have the same variable as processing facilities. The base line is that all disposal facilities will require some form of environmental review.</p> <p>A, B, C, and D</p> <p>The storage category is designed to apply to facilities for long term storage. The 5,000 gallon threshold is regarded as a likely dividing line between strictly temporary facilities and long term storage. Below this threshold it is likely that materials are being gathered primarily to make shipment economically practical. The gallon unit of measurement is used because these wastes are usually stored as liquids in 55 gallon drums. Concerns relating to storage facilities are mainly the potential for accidental spills and leaks. No EIS category is proposed because the need for an EIS can best be addressed on a case-by-case basis depending on the nature and location of the activity.</p> <p>The commercial/non-commercial distinction was included because commercial facilities are likely to acquire a variety of different substances from a variety of different sources. Such facilities are likely to generate a more board spectrum of pollutants and are likely to be more controversial. An all or none threshold is applied as an EIS threshold if the facility is to be located in a sensitive area. For other commercial facilities the 1,000 kilogram per month threshold is used. This threshold is selected because it is consistent with federal regulations relating to hazardous waste. For non-commercial facilities, environmental review is discretionary unless the facility is located in a sensitive area and processes in excess of 1,000 kilograms per month. This threshold was applied because the permit process is adequate to deal with non-commercial facilities in sensitive areas that process small amounts of hazardous waste. In non-sensitive areas, the permit process is capable of providing adequate review of non-commercial facilities.</p> <p>EIS</p> <p>If the facility is located within a sensitive area or if the facility has a capacity exceeding the federal threshold, an EIS is mandated. The need for an EIS on other disposal facilities id determined on a case-by-case basis. It is unlikely that small facilities will be proposed; therefore, an EIS will probably be mandated for all proposed facilities.</p> <p>1988 SONAR</p> <p>The substantive change proposed in the hazardous waste EIS categories is to expand coverage (in item c) of processing facilities to cover all processing facilities located in water-related sensitive areas. Presently, only commercial facilities are covered. The RGU for these categories, the PCA, believes there is no valid distinction to be made relative to potential for environmental impacts between commercial generator-operated facilities. Additionally, the cumbersome listing of types of water-related</p>	<p>FEDERAL</p> <p>Army Corp of Engineers Section 404 Wetland Permit</p> <p>STATE</p> <p>MPCA NPDES General Construction Stormwater permit NPDES Industrial Stormwater Permit Above Ground Storage Tank Permit Section 401 Water Quality Certificate Air Emissions Permit</p> <p>Minnesota Department Of Transportation Access Permit</p> <p>DNR Minnesota Natural Heritage Database Search Work with in Waters of the State Pemit</p> <p>Minnesota State Historical Preservation Office Cultural Resources Review</p> <p>COUNTY Conditional Use Permits Septic System Permit</p> <p>Watershed Districts Watershed Permits</p> <p>CITY Building Permit Conditional Use Permit Zoning Fire Department Review</p>	<p>Modify</p> <ul style="list-style-type: none"> Suggested language changes to reflect current permit language Suggest rule change - work with DNR to add sediment cleanups at Superfund or other remediation program sites as exemptions to Subp. 27 (wetlands and public waters) <p>Project information is provided to decision makers in multiple jurisdictions</p> <p>EIS No Changes</p>

Category	Intended Historical Purpose - SONAR (Year)	Government Actions	Analysis and Recommendation
	sensitive areas is proposed to be replaced by the new term "water-related land use management district."		

Category	Intended Historical Purpose - SONAR (Year)	Government Actions	Analysis and Recommendation
<p>Solid Waste</p> <p>4410.4300 subp. 17</p> <p>EAW Thresholds:</p> <ul style="list-style-type: none"> A. Construction of a mixed municipal solid waste disposal facility for up to 100,000 cubic yards of waste fill per year B. Expansion by 25 percent or more of previous capacity of a mixed municipal solid waste disposal facility for up to 100,000 cubic yards of waste fill per year C. Construction or expansion of a mixed municipal solid waste transfer station for 300,000 or more cubic yards per year, D. Construction or expansion of a mixed municipal solid waste energy recovery facility or incinerator, or the utilization of an existing facility for the combustion of mixed municipal solid waste or refuse-derived fuel, with a capacity of 30 or more tons per day of input, E. Construction or expansion of a mixed municipal solid waste compost facility or a refuse-derived fuel production facility with a capacity of 50 or more tons per day of input F. Expansion by at least ten percent but less than 25 percent of previous capacity of a mixed municipal solid waste disposal facility for 100,000 cubic yards or more of waste fill per year, G. Construction or expansion of a mixed municipal solid waste energy recovery facility ash landfill receiving ash from an incinerator that burns refuse-derived fuel or mixed municipal solid waste. <p>4410.4400 subp. 13</p> <p>EIS Thresholds:</p> <ul style="list-style-type: none"> A. Construction of a mixed municipal solid waste disposal facility for 100,000 cubic yards or more of waste fill per year, 	<p>1982 SONAR</p> <p>This category area is proposed because of the potential for significant impacts relating to ground and surface water contamination through the migration of leachate and because environmental review is needed to assist governmental units in adequately assessing resource recovery alternatives. Additional environmental concerns relate to methane gas generation, fugitive dust, emissions, odor and noise problems, transportation issues, aesthetic impacts, toxic air emissions and land use issues. This category area is extremely controversial.</p> <p>EAW</p> <p>A. For new disposal facilities the issue of siting is of primary importance. Cost requirements of operation and transportation factors make small disposal facilities unlikely. The 100,000 cubic yard per year threshold coincides with state solid waste regulations. There are approximately 20 facilities in operation with a capacity of over 100,000 cubic yards per year. Smaller facilities are likely to be modified and are not subject to the same regulations as the large facilities. Environmental review is necessary for all new facilities; however, the decision on need for an EIS on a case -to-case basis is adequate for the small facilities. For expansions of existing facilities, siting is less of an issue; however, the 100,000 cubic yards per year threshold was utilized for an EIS to maintain consistency with state solid waste regulations and because of the potential for ground and surface water contamination from that amount of waste.</p> <p>B. The lesser EAW threshold is used for expansions that do not exceed 100,000 cubic yards per year and for very large facilities where the expansion exceeds that amount. A 25 percent cut off is used to allow small increases in capacity to accommodate minor changes in the configuration as may be necessary for final contour plans.</p> <p>C. The transfer facility category: Impacts associated with this type of facility are primarily transportation issues, noise, odor, aesthetics, rodent and pest problems, and land use issues. These problems are usually controversial because the facilities are typically located in populated areas. The cubic yard measure is used because transfer vehicles are measured in cubic yards and because existing state solid waste regulations utilize this measurement. The threshold of 300,000 cubic yards is proposed because only very large transfer stations are likely to require environmental review. Other facilities can be adequately regulated through the permit process. The experience of the PCA indicates 300,000 cubic yards is reasonable as a threshold.</p> <p>D. The resource recovery facility categories; Impacts associated with this type of facility are primarily air emissions, ash disposal, noise, odor, and transportation issues. A tons per day unit of measure is used because tons is the standard unit of measure for resource recovery and BTU's/ton is the standard unit of measure with relation to use of</p>	<p>Solid Waste Transfer Facilities</p> <p>MPCA</p> <p>Solid Waste Management Facility Permit NPDES General Storm Water Permit for Industrial Activities NPDES Storm Water Permit for Construction Activity Metropolitan Area Policy Plan Review</p> <p>County</p> <p>Operating License Conditional Use Permit Septic Permit Very Small Quantity Generator Hazardous Waste License</p> <p>CITY</p> <p>License to Operate Waste Transfer Facility Building Permit Utility Permit Conditional Use Permit Zoning Amendment</p> <p>Watershed Districts</p> <p>Watershed Permit</p> <p>Compost Facilities</p> <p>MPCA</p> <p>Solid Waste Permit Very small Quantity Generators Hazardous Waste License NPDES General Storm Water Permit for Industrial Activities NPDES Storm Water Permit for Construction Activity</p> <p>COUNTY</p> <p>Conditional Use Permit</p>	<p>EAW and EIS</p> <p>Modify.</p> <ul style="list-style-type: none"> • Category language should be changed to reflect current permitting process • Future review of landfill projects may be accomplished by means of an alternative environmental review or AUAR-like process. <p>Eliminate</p> <ul style="list-style-type: none"> • Transfer facilities should be reviewed for possible elimination. <p>No change</p> <ul style="list-style-type: none"> • The remainder of the subparts. The concerns expressed in the SONAR are still valid. • Project information is provided to decision makers in multiple jurisdiction • High level of public interest

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<p>B. Construction or expansion of a mixed municipal solid waste disposal facility in a water-related land use management district, or in an area characterized by soluble bedrock</p> <p>C. Construction or expansion of a mixed municipal solid waste energy recovery facility or incinerator, or the utilization of an existing facility for the combustion of mixed municipal solid waste or refuse-derived fuel, with a capacity of 250 or more tons per day of input,</p> <p>D. Construction or expansion of a mixed municipal solid waste compost facility or a refuse-derived fuel production facility with a capacity of 500 or more tons per day of input</p> <p>E. Expansion by 25 percent or more of previous capacity of a mixed municipal solid waste disposal facility for 100,000 cubic yards or more of waste fill per year</p>	<p>solid waste for energy production. The 100 tons per day threshold was used for the EAW because these facilities are likely to be modular units. Performance and construction standards for modular units are standardized; therefore, project specific review on a discretionary basis is adequate. One hundred tons per day corresponds to 10% of the major air emission threshold. Resource recovery facilities are likely to be located in heavily populated areas with air quality problems and are likely to have toxic air emissions. Therefore, environmental review at this threshold is reasonable.</p> <p>EIS</p> <p>A. For expansions of existing facilities, siting is less of an issue; however, the 100,000 cubic yards per year threshold was utilized for an EIS to maintain consistency with state solid waste regulations and because of the potential for ground and surface water contamination from that amount of waste.</p> <p>B. An all or none threshold was used for facilities in sensitive areas. These locations carry a high potential for ground and surface water pollution. PCA experience in dealing with existing facilities demonstrates that problems are likely and that an EIS is necessary to adequately assess the potential for problems in these locations.</p> <p>C. Facilities involving combustion of mixed municipal solid wastes, "energy recovery facilities" and combustion in other incinerators, are proposed to require mandatory EISs' at a threshold of 250 tons per day of input. Mandatory EISs would be required for mixed municipal solid waste compost facilities and refuse-derived fuel production facilities at the same threshold as in the present rules, i.e., 500 tons per day. The other types of resource recovery facilities, recycling centers and yard waste compost facilities, would no longer be subject to a mandatory EIS ,category.</p> <p>D. The 500 tons per day threshold was used for the EIS because this is approximately the level at which an incinerator would have to meet new source performance standards. Five hundred tons per day would yield approximately 50 tons per year of particulate emissions. This corresponds to approximately 50% of the major source threshold. However, these facilities are likely to be located in heavily populated areas and are likely to have additional toxic emissions; therefore, this more restrictive threshold is reasonable.</p> <p>Mandatory EISs would be required for mixed municipal solid waste compost facilities and refuse-derived fuel production facilities at the same threshold as in the present rules, i.e., 500 tons per day. The other types of resource recovery facilities, recycling centers and yard waste compost facilities, would no longer be subject to a mandatory EIS category.</p> <p>E. No specific language for this section.</p> <p>General Discussion</p> <p>The need for lower thresholds for projects involving the combustion of mixed municipal solid waste results from a better understanding of the air emissions of such facilities and</p>	<p>Building Permit CITY</p> <p>Conditional Use Permit Building Permit Landfills Corp of Engineers</p> <p>Section 404 General Permit STATE MPCA</p> <p>Solid Waste Disposal Facility Permit NPDES Facility Stormwater Permit Certificate of Need Title V Air Permit NPDES Stormwater Permit for Industrial Activity Metropolitan Control Commission License for Leachate Disposal Minnesota Historical Society</p> <p>Archeological Survey Construction Easements Minnesota Historical Preservation Office Concurrence on Findings of Cultural Resources Impacts Minnesota Department Of Health Monitoring Well Permits COUNTY</p> <p>Wetland Conservation Act Approval Building Permit Conditional Use Permit Septic System Permit Transport License Solid Waste License TOWNSHIP</p> <p>Conditional Use Permit CITY</p> <p>Conditional Use Permit</p>	

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	<p>the mechanisms of possible exposure to these emissions than was possessed in 1982. As indicated in Appendix 3, of 17 permits for such facilities considered by PCA, 14 were considered since 1982 and all of the EAWs and EISs have been done since then. In addition, the scope of nationally available information about the potential impacts of burning solid wastes has also greatly expanded in recent years. One consequence of this increased information base is a recognition by the State that potentially severe impacts may occur from facilities smaller than the 500 ton per day threshold adopted in 1982.</p> <p>According to a recent U.S. Environmental Protection Agency study (Municipal waste Combustion study, Emission Data Base for Municipal Waste Combustors, U. S. EPA, EPA/530-SW-8 7-021 , June, 1987) mixed municipal solid waste, incinerators emit toxic Chemicals including dioxins/furans, PCB' s , , PAH's, arsenic, beryllium, cadmium, chromium, lead, mercury, and nickel. The toxic properties of these chemicals can cause acute or chronic poisoning ("systemic toxicity"), increased rates of mutations and birth defects, reproductive problems, immune system effects, and cancer (see, for example- Winona County Incinerator EIS, Technical Work Paper Hazard Identification, ICF/Clement Associates, 1987).</p> <p>The risks to human health posed by these emissions are dependent on many factors in addition to the capacity of the facility: facility design, pollution control equipment, operational parameters, composition of the fuel, facility location, local meteorology, surrounding terrain, and the types of receptors and land uses in the area. Depending' on the combination of specific factors for any given project, there may be considerable variation in environmental and health impacts for a facility of a given capacity. For example, the proposed Winona County incinerator was found, to have a projected health risk in excess of the Minnesota Dept. of Health guideline despite it relatively small size (150 tons per day) and state-of-the-art pollution control equipment because of potential exposure to humans through the consumption of contaminated fish. This was due to the proposed location near the Mississippi River, in an area noted as a fisheries resource (Winona County Resource Recovery Facility Draft (EIS, PCA, 1988.) This and other health risk assessments for resource recovery facilities have frequently indicated that human exposure to toxic emissions through the aquatic food chain is the exposure route of greatest significance (Anoka County RDF Facility EIS, MPCA, 1986; Hennepin Energy Recovery corporation Permit, MPCA, 1987; Summary of Risk Assessment and Proposed Risk Management Actions, Midland Michigan, U.S. EPA, Office of Public Affairs, Region 5, April 1988).</p> <p>The threshold proposed in item C for energy recovery facilities and incinerators has been a subject of considerable controversy between the PCA, local units of government interested in incineration as an alternative to landfilling of mixed municipal solid waste, the solid waste processing industry, and environmental groups. The 250 ton per day threshold represents a compromise between competing positions negotiated at two meetings of an ad hoc work group convened by the EQB to discuss the original PCA proposal to reduce the threshold to 100 tons per day.</p> <p>The 250 ton figure is the smallest-sized facility which is generally accepted to automatically have the potential for significant environmental effects. The work group concluded that while some -- perhaps many smaller facilities might warrant an EIS because if individual circumstances, it was not reasonable to set the mandatory</p>	<p>INCINERATORS FEDERAL U.S. Fish and Wildlife Service Threatened and Endangered Species Review Federal Aviation Administration FAA Notification Form 7460-1 STATE MPCA Air Emissions Permit NPDES Stormwater Construction permit NPDES Industrial Stormwater Permit Minnesota State Historical Preservation Office Cultural Resources Review Minnesota Natural Heritage Database Review DNR Water Appropriation Permit COUNTY Conditional Use Permit CITY Conditional Use Permit Building Permit and Zoning Certificate</p>	

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	<p>threshold below 250 tons per day. It was agreed by the work group that all energy recovery and incineration project EAWs in the future should include a health risk assessment, and the results of that assessment, as well as other EAW information, should form the basis for a case-by-case decision on the need for an EIS for facilities less than 250 tons per day. The EAW procedure will allow for consideration of the individual circumstances which largely dictate the magnitude of the potential impacts of each project, circumstances which it is not possible with present knowledge to specify in the rules themselves.</p>		

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<p><u>Wastewater Systems</u></p> <p>4410.4300 subp. 18</p> <p>EAW Thresholds:</p> <p>A. Expansion, modification, or replacement of a municipal sewage collection system resulting in an increase in design average daily flow of any part of that system by 1,000,000 gallons per day or more if the discharge is to a wastewater treatment facility with a capacity less than 20,000,000 gallons per day or for expansion, modification, or replacement of a municipal sewage collection system resulting in an increase in design average daily flow of any part of that system by 2,000,000 gallons per day or more if the discharge is to a wastewater treatment facility with the capacity of 20,000,000 gallons or greater,</p> <p>B. Expansion or reconstruction of an existing municipal or domestic wastewater treatment facility which results in an increase by 50 percent or more and by at least 200,000 gallons per day of its average wet weather design flow capacity, or construction of a new municipal or domestic wastewater treatment facility with an average wet weather design flow capacity of 200,000 gallons per day or more,</p> <p>C. Expansion or reconstruction of an existing industrial process wastewater treatment facility which increases its design flow capacity by 50 percent or more and by at least 200,000 gallons per day or more, or construction of a new industrial process wastewater treatment facility with a design flow capacity of 200,000 gallons per day or more, 5,000,000 gallons per month or more, or 20,000,000</p>	<p>1982 Sonar</p> <p>This category area is proposed because of problems associated with treatment facilities including ground and surface water pollution due to effluent discharges and sludge and ash disposal, and air pollution from sludge incineration. Problems associated with sewer systems include erosion during construction and maintenance, elimination or degradation of wetland habitats and adjacent water resources, and ground and surface water pollution resulting from seepage from sewer lines. Additional concerns are generated because of increased potential for secondary development fostered by the installation of a new system.</p> <p>A. A sewage system may be viewed as consisting of the treatment facility and the sewer system or conveyance system to that facility. Sewage systems were formerly a major source of concern relating to water pollution; however, much progress has been made in lessening impacts pursuant to the federal Clean Water Act. For projects receiving federal funds pursuant to the Clean Water Act, limited environmental review takes place. For facilities not receiving federal funds no federal environmental review is required. The threshold is proposed to exclude small new facilities and minor additions to existing sewage systems. The threshold for new systems was set at a level approximately equivalent to the required size of a facility to service 300 people. The threshold for expansions was set at a level approximately equal to the expansion of services for 500 people. A second threshold for expansions was set for 50% because the base expansion threshold would potentially exclude small facility expansions for 150 to 500 people. Expansions of that relative magnitude are likely to generate significant local impacts such that environmental review is reasonable.</p> <p>1988 Sonar</p> <p>The threshold for collection system expansions in item A would be raised for cities of all sizes, including those which discharge to systems operated by Metropolitan Council Wastewater Services (MCWS) or the Western Lake Superior Sanitary District (WLSSD). Presently, EAWs are required for sewer projects with design flows of 500,000 gallons per day within 1st and 2nd class cities or the MCWS or WLSSD systems, 100,000</p>	<p><u>SEWER COLLECTION SYSTEMS</u></p> <p>FEDERAL U.S. Corp of Engineers Section 10 Permit for activities affecting navigable waters in the U.S. Section 404 Letter of Permission STATE MPCA</p> <p>Sewer Extension Permit NPDES General Stormwater Construction Permit Section 401 Water Quality Certificate DNR</p> <p>Water Appropriation Permit Minnesota Natural Heritage Database Review Utility Crossing License Work Within Public Waters Permit MnDOT Utility Permit on Trunk Highway Right-Of-Way Minnesota Department of Health Watermain Plan Approval</p>	<p>Modify</p> <p>Reviewed for possible change in requirements for expansion of WWTF.</p> <p>Reviewed for possible addition to the category for the following items.</p> <p>The following wastewater is not currently being addressed</p> <p>Utility wastewater (cooling tower blowdown, reject, etc.) NOT associated with an industrial wastewater classified as process wastewater under the federal regulations should be considered for review</p> <ul style="list-style-type: none"> Waste streams resulting from the removal of pollutants or "impurities" from water being used for either industrial or drinking water should be considered for review. Water Treatment Plant Residual (backwash, reject, etc.) from a domestic water treatment plant should be considered for review. <p>Project information is provided to decision makers in multiple jurisdictions</p>

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<p>gallons per year or more, This category does not apply to industrial process wastewater treatment facilities that discharge to a publicly-owned treatment works or to a tailings basin reviewed pursuant to subpart 11, item B.</p>	<p>gpd for 3rd class cities, and 50,000 gpd for 4th class cities and unincorporated areas. Over the most recent three-year period, the MPCA has prepared EAWs for approximately 15 projects per year under the sewage system category, more than half of which were sewer extensions. This level of review is believed to be unjustified because the majority of the sewer extensions are relatively minor expansions of much larger systems, and because the increases in wastewater flow accompanying sewer extensions usually occur gradually over a period of many years.</p> <p>Furthermore, problems which have been cited as associated with sewer systems, i.e., construction erosion, the degradation or loss of wetlands, seepage from sewer lines, and the potential for secondary development, are addressed by permit programs for runoff from construction sites and the preservation of wetlands, and by the application of minimum standards for sewer construction and maintenance. The potential for impacts from secondary development will also continue to be addressed through state and local requirements for environmental review and permitting.</p> <p>B. In item B, a clarification is proposed stating that an EAW is not mandatory for a domestic wastewater treatment expansion unless it increases the design flow capacity of the facility by at least 50\ AND it is an increase of at least 50,000 gallons per day. This is consistent with past and present policy of the MPCA that the preparation of EAWs should not be mandatory for projects that involve relatively minor expansions of existing, small treatment facilities.</p> <p>C. Regarding new item C, the rules currently provide for mandatory EAW categories for certain types of industrial facilities which may involve the generation of industrial wastewater. Examples are petroleum refineries, fuel conversion facilities, mineral mining and processing, and pulp and paper processing. These and other industrial project may also require environmental review because of their potential air emissions (under subpart 15). However, because there is currently no EAW category pertaining directly to the generation of industrial wastewater, some major industrial projects may not be subject to mandatory review. Examples would be food processing and the manufacture of wood products other than pulp or paper.</p> <p>The proposed new category at item C would establish a threshold for the construction of new or expansion of existing industrial process wastewater treatment facilities. Process wastewater is not intended to include noncontact cooling water, storm water runoff, or animal feedlot runoff. The proposed threshold is based on existing PCA nondegradation regulations for new or expanded discharges. Projects of this magnitude are likely to generate significant local impacts. This category would not apply to industries which discharge to publicly owned treatment facilities. Such discharges are subject to the terms and conditions of preexisting discharge permits and are also regulated by local jurisdictions under existing programs and subject to state and federal oversight. It also would not apply to tailings basins which are covered by the mandatory metallic mineral mining category at subpart 11, item B; this exclusion is stated in the proposed amendment to eliminate the potential for future questions over which agency, MPCA or DNR, should be the RGU for review of such facilities.</p>	<p>Water Extension Permit Metropolitan Council</p> <p>Connection Permit State Historical Preservation Office Concurrence on Findings of Cultural Resources Impacts</p> <p>COUNTY</p> <p>Highway Access/Entrance Permit Watershed District</p> <p>Project Approval Watershed Permit Application for Minnesota Wetland</p> <p>conservation Act Exemption CITY</p> <p>Conditional Use Permit Street and Utility Plan Approval WASTEWATER TREATMENT FACILITY PERMITS</p> <p>FEDERAL U.S. Corp of Engineers</p> <p>Section 404 Permt Wastewater Infrastructure Funding Program Outfall Permits STATE MPCA</p> <p>WWTF Plans and Specifications Approval SDS Permit for land application of treated Wastewater NPDES General Stormwater Construction Permit Sanitary Sewer Extension Permit NPDES/SDS Surface Water</p>	

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		Discharge Permit NPDES Industrial Stormwater discharge Permit Air Quality Permit for back up generators Non-degradation to All Waters Review DNR Water Appropriation Permit License to Cross Public Lands and Waters Natural Heritage and Nongame Database Review Outfall Permits Minnesota Department of Health Well Abandonment Permit State Historic Preservation Office Concurrence on Findings of Cultural Resource Impacts Public Facilities Authority Funding Application Board of Water and Soil Resources Wetland Conservation Act Permits COUNTY Certificate of Wetland Conservation Act Exemption Conditional Use Permit Utility Permit Building Permits Right-Of-Way Permit Conditional Use Permit CITY Building Permit	

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	(1982 SONAR	STATE MPCA	No Change - Legislative changes have been made to this mandatory category over

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<p>Animal Feedlots</p> <p>4410.4300 subp. 29</p> <p>A. Construction of an animal feedlot facility with a capacity of 1,000 animal units or more or the expansion of an existing facility by 1,000 animal units or more, provided the facility is not in an area listed in item B, PCA or county.</p> <p>B. Construction of an animal feedlot facility of more than 500 animal units or expansion of an existing animal feedlot facility by more than 500 animal units if the facility is located wholly or partially in any of the following sensitive locations: shoreland; a delineated flood plain, except that in the flood plain of the Red River of the North the sensitive area includes only land within 1,000 feet of the ordinary high water mark; a state or federally designated wild and scenic river district; the Minnesota River Project Riverbend area; the Mississippi headwaters area; or an area within a drinking water supply management area delineated under chapter 4720 where the aquifer is identified in the wellhead protection plan as vulnerable to contamination; or within 1,000 feet of a known sinkhole, cave, resurgent spring, disappearing spring, Karst window, blind valley, or dry valley, PCA or county.</p> <p>Exemptions</p> <p>Animal feedlots. The activities in items A to D are exempt.</p> <p>A. Construction of an animal feedlot facility with a capacity of less than 1,000 animal units or the expansion of an existing animal feedlot facility to a total cumulative capacity of less than 1,000 animal units, if all of the following apply: (1) the feedlot is not in an environmentally sensitive location listed in part 4410.4300, subpart 29, item B; (2) the application for the animal feedlot permit includes a written commitment by the proposer to design, construct, and operate the facility in full compliance with PCA feedlot rules; and (3) the county board holds a public meeting for citizen input at least ten business days prior to the PCA or county issuing a feedlot permit for the facility, unless another public meeting for citizen input has been held with regard to the feedlot facility to be permitted.</p> <p>B. The construction of an animal feedlot facility of less than 300 animal units or the expansion of an existing facility by less than 100 animal units, no part of either of which is located within a shoreland area; delineated flood plain; state or federally designated wild and scenic rivers district; the Minnesota River Project Riverbend area; the Mississippi headwaters area; an area within a drinking water supply</p>	<p>This category was proposed because of the potential for significant environmental impacts relating to ground and surface water quality, odors, and local land use issues. This type of activity is likely to be controversial if the location is in a sensitive area or near residential or recreational developments. Specific categories proposed within this category area include:</p> <p>The current rules contain no EAW or exemption categories relating to the animal feedlot category area. Although the current rules do not contain a mandatory EAW category relating to these facilities, several citizen petitions were submitted on animal feedlot facilities pursuant to the current rules. Facilities petitioned were of a smaller size than the proposed threshold but the facilities were located in areas of soluble bedrock. The proposed threshold corresponds to the threshold established in the Clean Water Act. Facilities of this size must be evaluated to determine if a national Pollutant Discharge Elimination System (NPDES) permit is required. The alternative of requiring an EAW only for facilities located within a shoreland area, delineated flood plain area or area with soluble bedrock was considered but rejected on the basis of local government comments indicating that activities of this scale are very controversial and should be noticed to the public.</p> <p>Exemptions</p> <p>The exemption category is proposed because projects of this size are not likely to result in significant impacts. Projects of this type have the potential to generate petitions based more on "neighborhood disputes" than true impacts. This threshold is a reasonable level to prevent abuse of the environmental review process in this manner.</p>	<p>NPDES/SDS Feedlot Permit NPDES Construction Stormwater Permit DNR</p> <p>Water Appropriations Permit Board of Animal Health Notification to Compost Dairy Cattle Fire Marshall</p> <p>Plan Review COUNTY Conditional Use Permit Building Permit Watershed District</p> <p>Discharge to Surface Waters TOWNSHIP</p> <p>Conditional Use Permit</p>	<p>the past 14 years. No additional changes appear to be necessary or warranted at this time.</p> <p>Project information is provided to decision makers in multiple jurisdictions</p> <p>High level of public interest.</p>

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<p>management area designated under chapter 4720 where the aquifer is identified in the wellhead protection plan as vulnerable to contamination; or 1,000 feet of a known sinkhole, cave, resurgent spring, disappearing spring, Karst window, blind valley, or dry valley.</p> <p>C. The construction or expansion of an animal feedlot facility with a resulting capacity of less than 50 animal units regardless of location.</p> <p>D. The modification without expansion of capacity of any feedlot of no more than 300 animal units if the modification is necessary to secure a Minnesota feedlot permit.</p>			