

## APPENDIX 1

### M.S. 103E.015 CRITERIA

Does your report consider the following...

- private and public benefits and costs of the proposed drainage project;
  
- alternative measures, including measures identified in applicable state-approved and locally adopted water management plans, to:
  - (i) conserve, allocate, and use drainage waters for agriculture, stream flow augmentation, or other beneficial uses;
  - (ii) reduce downstream peak flows and flooding;
  - (iii) provide adequate drainage system capacity;
  - (iv) reduce erosion and sedimentation; and
  - (v) protect or improve water quality
  
- the present and anticipated land use within the drainage project or system, including compatibility of the project with local land use plans
  
- current and potential flooding characteristics of property in the drainage project or system and downstream for 5-, 10-, 25-, and 50-year flood events, including adequacy of the outlet for the drainage project
  
- the effects of the proposed drainage project on wetlands
  
- the effects of the proposed drainage project on water quality;
  
- the effects of the proposed drainage project on fish and wildlife resources;
  
- the effects of the proposed drainage project on shallow groundwater availability, distribution, and use
  
- the overall environmental impact of all the above criteria