

Industrial Sand Mining Strategic Analysis
Draft Topics Outline
March 12, 2015

1. Industrial sand mining
 - 1.1. Historic sand mining in Wisconsin
 - 1.2. Current market
 - 1.3. Explanation of hydraulic fracturing
 - 1.4. Location of sand resources
 - 1.5. Current operations and trends
 - 1.6. Aspects of industrial sand mining
 - 1.6.1. Overburden removal
 - 1.6.2. Excavation
 - 1.6.3. Blasting
 - 1.6.4. Crushing
 - 1.6.5. Processing (including use of chemicals)
 - 1.6.6. Process water and stormwater management
 - 1.6.7. Spill prevention and response
 - 1.6.8. Storage facilities
 - 1.6.9. Waste management
 - 1.6.10. Transportation and load-out facilities
 - 1.6.11. Reclamation
2. Environmental Topics – affected environment and primary, secondary and cumulative effects (as appropriate)
 - 2.1. Air quality
 - 2.2. Water
 - 2.2.1. Surface water features and locations
 - 2.2.2. Surface water quality
 - 2.2.3. Groundwater quality
 - 2.2.4. Groundwater quantity
 - 2.2.5. Wetlands
 - 2.2.6. Fish and aquatic species
 - 2.3. Land
 - 2.3.1. Forests
 - 2.3.2. Grasslands
 - 2.3.3. Wildlife
3. Socioeconomic topics – affected environment and primary, secondary and cumulative effects (as appropriate)
 - 3.1. Local and state economy
 - 3.2. Property values
 - 3.3. Population
 - 3.4. Transportation
 - 3.5. Land use and zoning
 - 3.6. Agricultural lands
 - 3.7. Public parks and recreational lands
 - 3.8. Archaeological, cultural, tribal and historic resources
 - 3.9. Human health and safety
 - 3.10. Visual and auditory
4. Regulatory framework
 - 4.1. State of Wisconsin
 - 4.2. Local
 - 4.3. Federal
 - 4.4. Tribal
 - 4.5. Neighboring states