

Instructions for Environmental Checklist

Complete an Environmental Checklist for the preferred alternative. All applicants must submit the environmental checklist. DNRC will review the checklist and prepare its own environmental evaluation to determine whether further information is required.

Five types of impacts may be identified on the form:

- N** - No impact anticipated or not applicable to this project;
- B** - Potentially beneficial impact;
- A** - Potentially adverse impact;
- P** - Agency approval or permits required; and
- M** - Mitigation actions required

A space is provided next to each subject area to list at least one of the above impact types. Describe the impact, or indicate why there is no impact from the project in the “comments” section of this form. When completed on a computer, the form can be expanded to accommodate lengthy comments. An environmental checklist must be completed for each alternative.

If a potentially adverse impact has been identified, indicate if an agency approval or permit may also be required.

If a potentially adverse impact is identified for the preferred alternative, the applicant must provide the following:

1. A description and analysis of reasonable alternatives that would avoid the impact and a justification for the selected alternative;
2. A description of short-and/or long-term measures to mitigate the impact and a discussion of the effects of those mitigative measures on the proposed project.

For assistance in preparing the Environmental Checklist, contact DNRC at 444-6668.

ENVIRONMENTAL CHECKLIST

Key Letter: N – No Impact/Not Applicable **B** – Potentially Beneficial **A** – Potentially Adverse **P** – Approval/Permits Required **M** – Mitigation Required

| PHYSICAL ENVIRONMENT | |
|----------------------|--|
| <u>Key</u> <hr/> | <p>1. Soil Suitability, Topographic and/or Geologic Constraints (e.g., soil slump, steep slopes, subsidence, seismic activity)</p> <p><i>Comments and Source of Information:</i></p> |
| <u>Key</u> <hr/> | <p>2. Hazardous Facilities (e.g., power lines, EPA hazardous waste sites, acceptable distance from explosive and flammable hazards including chemical/petrochemical storage tanks, underground fuel storage tanks, and related facilities such as natural gas storage facilities & propane storage tanks)</p> <p><i>Comments and Source of Information:</i></p> |
| <u>Key</u> <hr/> | <p>3. Effects of Project on Surrounding Air Quality or Any Kind of Effects of Existing Air Quality on Project (e.g., dust, odors, emissions)</p> <p><i>Comments and Source of Information:</i></p> |
| <u>Key</u> <hr/> | <p>4. Groundwater Resources & Aquifers (e.g., quantity, quality, distribution, depth to groundwater, sole source aquifers)</p> <p><i>Comments and Source of Information:</i></p> |
| <u>Key</u> <hr/> | <p>5. Surface Water/Water Quality, Quantity & Distribution (e.g., streams, lakes, storm runoff, irrigation systems, canals)</p> <p><i>Comments and Source of Information:</i></p> |
| <u>Key</u> <hr/> | <p>6. Floodplains & Floodplain Management (Identify any floodplains within one mile of the boundary of the project.)</p> <p><i>Comments and Source of Information:</i></p> |
| <u>Key</u> <hr/> | <p>7. Wetlands Protection (Identify any wetlands within one mile of the boundary of the project.)</p> <p><i>Comments and Source of Information:</i></p> |

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| <u>Key</u> <hr/> <hr/> | <p>8. Agricultural Lands, Production, & Farmland Protection (e.g., grazing, forestry, cropland, prime or unique agricultural lands) (Identify any prime or important farm ground or forest lands within one mile of the boundary of the project.)</p> <p><i>Comments and Source of Information:</i></p> |
| <u>Key</u> <hr/> <hr/> | <p>9. Vegetation & Wildlife Species & Habitats, Including Fish (e.g., terrestrial, avian and aquatic life and habitats)</p> <p><i>Comments and Source of Information:</i></p> |
| <u>Key</u> <hr/> <hr/> | <p>10. Unique, Endangered, Fragile, or Limited Environmental Resources, Including Endangered Species (e.g., plants, fish or wildlife)</p> <p><i>Comments and Source of Information:</i></p> |
| <u>Key</u> <hr/> <hr/> | <p>11. Unique Natural Features (e.g., geologic features)</p> <p><i>Comments and Source of Information:</i></p> |
| <u>Key</u> <hr/> <hr/> | <p>12. Access to, and Quality of, Recreational & Wilderness Activities, Public Lands and Waterways (including Federally Designated Wild & Scenic Rivers), and Public Open Space</p> <p><i>Comments and Source of Information:</i></p> |
| HUMAN POPULATION | |
| <u>Key</u> <hr/> <hr/> | <p>1. Visual Quality – Coherence, Diversity, Compatibility of Use and Scale, Aesthetics</p> <p><i>Comments and Source of Information:</i></p> |
| <u>Key</u> <hr/> <hr/> | <p>2. Nuisances (e.g., glare, fumes)</p> <p><i>Comments and Source of Information:</i></p> |
| <u>Key</u> <hr/> <hr/> | <p>3. Noise -- suitable separation between noise sensitive activities (such as residential areas) and major noise sources (aircraft, highways & railroads)</p> <p><i>Comments and Source of Information:</i></p> |
| <u>Key</u> <hr/> <hr/> | <p>4. Historic Properties, Cultural, and Archaeological Resources</p> <p><i>Comments and Source of Information:</i></p> |

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| <u>Key</u> <hr/> | <p>5. Changes in Demographic (population) Characteristics (e.g., quantity, distribution, density)</p> <p><i>Comments and Source of Information:</i></p> |
| <u>Key</u> <hr/> | <p>6. Environmental Justice – (Does the project avoid placing lower income households in areas where environmental degradation has occurred, such as adjacent to brownfield sites?)</p> <p><i>Comments and Source of Information:</i></p> |
| <u>Key</u> <hr/> | <p>7. General Housing Conditions - Quality, Quantity, Affordability</p> <p><i>Comments and Source of Information:</i></p> |
| <u>Key</u> <hr/> | <p>8. Displacement or Relocation of Businesses or Residents</p> <p><i>Comments and Source of Information:</i></p> |
| <u>Key</u> <hr/> | <p>9. Public Health and Safety</p> <p><i>Comments and Source of Information:</i></p> |
| <u>Key</u> <hr/> | <p>10. Lead Based Paint and/or Asbestos</p> <p><i>Comments and Source of Information:</i></p> |
| <u>Key</u> <hr/> | <p>11. Local Employment & Income Patterns - Quantity and Distribution of Employment, Economic Impact</p> <p><i>Comments and Source of Information:</i></p> |
| <u>Key</u> <hr/> | <p>12. Local & State Tax Base & Revenues</p> <p><i>Comments and Source of Information:</i></p> |
| <u>Key</u> <hr/> | <p>13. Educational Facilities - Schools, Colleges, Universities</p> <p><i>Comments and Source of Information:</i></p> |
| <u>Key</u> <hr/> | <p>14. Commercial and Industrial Facilities - Production & Activity, Growth or Decline</p> <p><i>Comments and Source of Information:</i></p> |

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| <u>Key</u> | 15. Health Care – Medical Services <i>Comments and Source of Information:</i> |
| <u>Key</u> | 16. Social Services – Governmental Services (e.g., demand on) <i>Comments and Source of Information:</i> |
| <u>Key</u> | 17. Social Structures & Mores (Standards of Social Conduct/Social Conventions) <i>Comments and Source of Information:</i> |
| <u>Key</u> | 18. Land Use Compatibility (e.g., growth, land use change, development activity, adjacent land uses and potential conflicts) <i>Comments and Source of Information:</i> |
| <u>Key</u> | 19. Energy Resources - Consumption and Conservation <i>Comments and Source of Information:</i> |
| <u>Key</u> | 20. Solid Waste Management <i>Comments and Source of Information:</i> |
| <u>Key</u> | 21. Wastewater Treatment - Sewage System <i>Comments and Source of Information:</i> |
| <u>Key</u> | 22. Storm Water – Surface Drainage <i>Comments and Source of Information:</i> |
| <u>Key</u> | 23. Community Water Supply <i>Comments and Source of Information:</i> |
| <u>Key</u> | 24. Public Safety – Police <i>Comments and Source of Information:</i> |
| <u>Key</u> | 25. Fire Protection – Hazards <i>Comments and Source of Information:</i> |

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| <p><u>Key</u></p> <p>_____</p> | <p>26. Emergency Medical Services</p> <p><i>Comments and Source of Information:</i></p> |
| <p><u>Key</u></p> <p>_____</p> | <p>27. Parks, Playgrounds, & Open Space</p> <p><i>Comments and Source of Information:</i></p> |
| <p><u>Key</u></p> <p>_____</p> | <p>28. Cultural Facilities, Cultural Uniqueness & Diversity</p> <p><i>Comments and Source of Information:</i></p> |
| <p><u>Key</u></p> <p>_____</p> | <p>29. Transportation Networks and Traffic Flow Conflicts (e.g., rail; auto including local traffic; airport runway clear zones-avoidance of incompatible land use in airport runway clear zones)</p> <p><i>Comments and Source of Information:</i></p> |
| <p><u>Key</u></p> <p>_____</p> | <p>30. Consistency with Local Ordinances, Resolutions, or Plans (e.g., conformance with local comprehensive plans, zoning, or capital improvement plans)</p> <p><i>Comments and Source of Information:</i></p> |
| <p><u>Key</u></p> <p>_____</p> | <p>31. Is There a Regulatory Action on Private Property Rights as a Result of this Project? (consider options that reduce, minimize, or eliminate the regulation of private property rights.)</p> <p><i>Comments and Source of Information:</i></p> |