

16. PROJECT/ENVIRONMENT MATRIX

CEAA Section 16 (a) (b) (d)

Compare major project stages (as identified in question 3) with environmental components listed below.  
 Note significance of potential impacts as (S) significant, (PS) potentially significant, or (NS) not significant.

|  |  | MAJOR PROJECT STAGES                                      |  |  |  |  |  |  |  | PROPOSED MITIGATION MEASURES |
|--|--|---|--|--|--|--|--|--|--|------------------------------|
|  |  |   |  |  |  |  |  |  |  |                              |
| <b>ENVIRONMENTAL COMPONENTS</b>                      | <b>Water</b>                                       | Groundwater table or quality change                       |  |  |  |  |  |  |  |                              |
|  |  | Surface water quantity or quality changes                 |  |  |  |  |  |  |  |                              |
|  |  | Changes in drainage pattern                               |  |  |  |  |  |  |  |                              |
|  |  | Other effects - describe                                  |  |  |  |  |  |  |  |                              |
|  | <b>Noise</b>                                       | Noise level increase                                      |  |  |  |  |  |  |  |                              |
|  |  | Other effects - describe                                  |  |  |  |  |  |  |  |                              |
|  | <b>Soil</b>  | Soil contamination  |  |  |  |  |  |  |  |                              |
|  |  | Soil erosion  |  |  |  |  |  |  |  |                              |
|  |  | Other effects - describe                                  |  |  |  |  |  |  |  |                              |
|  | <b>Air</b>   | Air quality changes                                       |  |  |  |  |  |  |  |                              |
|  |  | Other effects - describe                                  |  |  |  |  |  |  |  |                              |
|  | <b>Vegetation</b>                                  | Change in species composition                             |  |  |  |  |  |  |  |                              |
|  |  | Introduction of species                                   |  |  |  |  |  |  |  |                              |
|  |  | Other effects - describe                                  |  |  |  |  |  |  |  |                              |
|  | <b>Wildlife</b>                                    | Disturbance of wildlife                                   |  |  |  |  |  |  |  |                              |
|  |  | Other effects - describe                                  |  |  |  |  |  |  |  |                              |
|  | <b>Habitat</b>                                     | Changes in local habitat                                  |  |  |  |  |  |  |  |                              |
|  |  | Other effects - describe                                  |  |  |  |  |  |  |  |                              |
|  | <b>Health and Safety</b>                           | Reduction in H&S services / quality                       |  |  |  |  |  |  |  |                              |
|  |  | Reduction in environmental quality / increase health risk |  |  |  |  |  |  |  |                              |
| Other effects - describe                             |  |   |  |  |  |  |  |  |  |                              |
| <b>Socio-economic</b>                                | Change in housing community infrastructure         |   |  |  |  |  |  |  |  |                              |
|  | Change in regional transportation                  |   |  |  |  |  |  |  |  |                              |
|  | Other effects - describe                           |   |  |  |  |  |  |  |  |                              |
| <b>Physical and cultural heritage</b>                | Special cultural landmark change/ aesthetic change |   |  |  |  |  |  |  |  |                              |
|  | Other effects - describe                           |   |  |  |  |  |  |  |  |                              |
| <b>Traditional aboriginal land</b>                   | Changes - describe                                 |   |  |  |  |  |  |  |  |                              |
|  | Other effects - describe                           |   |  |  |  |  |  |  |  |                              |
| <b>Historical paleontological and archaeological</b> | Removal / change to artifacts                      |   |  |  |  |  |  |  |  |                              |
|  | Other effects - describe                           |   |  |  |  |  |  |  |  |                              |
| <b>Hazardous material discharge</b>                  | Describe   |   |  |  |  |  |  |  |  |                              |