

Contents

Volume 1C

16	Contamination	16-1
16.1	Assessment methodology.....	16-2
16.2	Existing environment	16-6
16.3	Assessment of potential construction impacts	16-24
16.4	Assessment of potential operational impacts.....	16-35
16.5	Management of impacts	16-39
17	Flooding and drainage	17-1
17.1	Assessment methodology.....	17-5
17.2	Existing environment	17-11
17.3	Assessment of potential construction impacts	17-39
17.4	Assessment of potential operational impacts.....	17-46
17.5	Management of impacts	17-68
18	Biodiversity.....	18-1
18.1	Assessment methodology.....	18-2
18.2	Existing environment	18-8
18.3	Assessment of potential impacts.....	18-16
18.4	Biodiversity offsets.....	18-22
18.5	Environmental management measures	18-22
19	Groundwater	19-1
19.1	Assessment methodology.....	19-3
19.2	Existing environment	19-11
19.3	Assessment of potential construction impacts	19-27
19.4	Assessment of potential operation impacts	19-40
19.5	Environmental management measures	19-51
20	Non-Aboriginal heritage	20-1
20.1	Assessment methodology.....	20-3
20.2	Existing environment	20-14
20.3	Assessment of potential impacts.....	20-38
20.4	Environmental management measures	20-52
21	Aboriginal heritage.....	21-1
21.1	Assessment methodology.....	21-2
21.2	Existing environment	21-6
21.3	Assessment of potential impacts.....	21-10
21.4	Environmental management measures	21-10
22	Greenhouse gas	22-1
22.1	Assessment methodology.....	22-1
22.2	Existing environment	22-3
22.3	Assessment of potential construction impacts	22-5
22.4	Assessment of potential operational impacts.....	22-9
22.5	Combined project GHG emissions	22-14
22.6	Assessment of cumulative impacts	22-16
22.7	Management of impacts	22-17

23	Resource use and waste minimisation	23-1
23.1	Assessment methodology.....	23-2
23.2	Legislative and policy framework	23-2
23.3	Assessment of construction impacts	23-3
23.4	Assessment of operational impacts.....	23-16
23.5	Environmental management measures.....	23-18
24	Climate change risk and adaptation	24-1
24.1	Assessment methodology.....	24-2
24.2	Existing environment	24-4
24.3	Assessment of potential construction impacts	24-10
24.4	Assessment of potential operational impacts.....	24-11
24.5	Management of impacts	24-13
25	Hazard and risk	25-1
25.1	Assessment of construction impacts	25-3
25.2	Assessment of operational impacts.....	25-22
25.3	Environmental management measures.....	25-31
26	Cumulative impacts	26-1
26.1	Introduction	26-1
26.2	Projects assessed	26-1
26.3	Nature of cumulative impacts.....	26-6
26.4	Assessment of potential cumulative impacts	26-14
26.5	Management of cumulative impacts	26-31
27	Sustainability	27-1
27.1	What is sustainability?	27-1
27.2	Sustainability policy framework	27-2
27.3	Infrastructure Sustainability Rating Scheme.....	27-19
27.4	Ecologically sustainable development.....	27-20
27.5	Sustainability management on the project.....	27-25
28	Environmental risk analysis	28-1
28.1	Environmental risk analysis process	28-2
28.2	Identification of key issues and risks	28-4
28.3	Risk analysis approach.....	28-4
28.4	Risk analysis outcomes	28-22
29	Summary of environmental management measures.....	29-1
30	Project justification and conclusion	30-1
30.1	Justification	30-2
30.2	Conclusion	30-11
References	R-1