SO2 maximum annual concentration (ug/m3)
No refinery emission reductions
Maximum over 5-year period
ISC-Prime model

US SIL  1
US AAQS (WA)  53
Canadian Objective  25
(most stringent)
BP Cherry Point Cogeneration

SO2 maximum 24-hour concentration (µg/m3)
No refinery emission reductions
Maximum over 5-year period
ISC-Prime model

US SIL 25
US AAQS 1,300
Canadian Objective 375 (most stringent)
SO2 maximum 3-hour concentration (ug/m3)
No refinery emission reductions
Maximum over 5-year period
ISC-Prime model

US SIL: 25
US AAQS: 1,300
Canadian Objective: 375 (most stringent)
SO2 maximum 1-hour concentration (ug/m3)
No refinery emission reductions
Maximum over 5-year period
ISC-Prime model

US SIL
US AAQS (WA)  1,065
Canadian Objective 450 (most stringent)
PM10 maximum annual concentration (ug/m3)
No refinery emission reductions
Maximum over 5-year period
ISC-Prime model

US SIL 1
US AAQS 50
Canadian Objective 30 (most stringent)
PM10 maximum 24-hour concentration (ug/m3)
No refinery emission reductions
Maximum over 5-year period
ISC-Prime model

US SIL 5
US AAQS 150
Canadian Objective 50 (most stringent)
CO maximum 8-hour concentration (ug/m3)
No refinery emission reductions
Maximum over 5-year period
ISC-Prime model

US SIL  500
US AAQS 10,000
Canadian Objective 5,500
(most stringent)
CO maximum 1-hour concentration (ug/m3)
No refinery emission reductions
Maximum over 5-year period
ISC-Prime model

US SIL 2,000
US AAQS 40,000
Canadian Objective 14,300
(most stringent)
NOx maximum annual concentration (ug/m3)
No refinery emission reductions
Maximum over 5-year period
ISC-Prime model

US SIL 1
US AAQS 100
Canadian Objective 60
(most stringent)
NOx maximum 24-hour concentration (ug/m3)
No refinery emission reductions
Maximum over 5-year period
ISC-Prime model

US SIL  NA
US AAQS NA
Canadian Objective 200
(most stringent)
NOx maximum 1-hour concentration (ug/m3)
No refinery emission reductions
Maximum over 5-year period
ISC-Prime model

US SIL: NA
US AAQS: NA
Canadian Objective: 400 (most stringent)