

Table 2-3 Summary of Environmental Consequences for the CMR Replacement Project

<i>Resource/Material Categories</i>	<i>No Action Alternative</i>	<i>Alternative 1 (relocate CMR AC and MC operations to TA-55) ^a</i>	<i>Alternative 2 (relocate CMR AC and MC operations to TA-6) ^a</i>	<i>Alternative 3 (relocate CMR AC and MC operations to TA-55) ^b</i>	<i>Alternative 4 (relocate CMR AC and MC operations to TA-6) ^b</i>					
Land Resources										
Construction ^c / Operations ^d	No impact	26.75 acres/ 13.75 acres	26.75 acres/ 15.25 acres	22.75 acres/ 9.75 acres	22.75 acres/ 11.25 acres					
Air Quality										
Construction ^c	No impact	Small temporary impact	Small temporary impact	Small temporary impact	Small temporary impact					
Operations	0.00003 curies of actinides	- 0.00076 curies of actinides - 2,645 curies of tritium and noble fission gases	- 0.00076 curies of actinides - 2,645 curies of tritium and noble fission gases	- 0.00076 curies of actinides - 2,645 curies of tritium and noble fission gases	- 0.00076 curies of actinides - 2,645 curies of tritium and noble fission gases					
Water Resources										
Construction ^c	No impact	Small temporary impact	Small temporary impact	Small temporary impact	Small temporary impact					
Operations	Small impact	Small impact	Small impact	Small impact	Small impact					
Ecological Resources										
Construction ^c	No impact	Indirect effect on Mexican spotted owl habitat	No impact	Indirect effect on Mexican spotted owl habitat	No impact					
Operations	No impact	Indirect effect on Mexican spotted owl habitat	No impact	Indirect effect on Mexican spotted owl habitat	No impact					
Socioeconomics										
Construction ^c	No impact	No noticeable changes; 300 workers (peak) 1,152 jobs	No noticeable changes; 300 workers (peak), 1,152 jobs	No noticeable changes; 300 workers (peak), 1,152 jobs	No noticeable changes; 300 workers (peak), 1,152 jobs					
Operations	No impact	No increase in workforce ^e	No increase in workforce ^e	No increase in workforce ^e	No increase in workforce ^e					
Public and Occupational Health and Safety										
Normal Operations	<i>Dose</i>	<i>LCF</i>	<i>Dose</i>	<i>LCF</i>	<i>Dose</i>	<i>LCF</i>	<i>Dose</i>	<i>LCF</i>	<i>Dose</i>	<i>LCF</i>
Population dose (person-rem per year)	0.04	0.000024	1.9	0.0011	2.0	0.0012	1.9	0.0011	2.0	0.0012
MEI (millirem per year)	0.006	3.5×10^{-9}	0.33	2.0×10^{-7}	0.35	2.1×10^{-7}	0.33	2.0×10^{-7}	0.35	2.1×10^{-7}
Average individual dose (millirem per year)	0.0001	7.9×10^{-11}	0.006	3.8×10^{-9}	0.006	4.0×10^{-9}	0.006	3.8×10^{-9}	0.006	4.0×10^{-9}
Total worker dose (person-rem per year)	22	0.013	61	0.04	61	0.04	61	0.04	61	0.04
Average worker dose (millirem per year)	110	0.00007	110	0.00007	110	0.00007	110	0.00007	110	0.00007
Hazardous chemicals	None		None		None		None		None	