

APPENDIX

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Environmental Concerns Scoping Checklist

Check a box if that category is a potential issue to be investigated.

ENVIRONMENTAL ISSUES	NO ACTION	PROPOSED ACTION	ALTERN. #1	ALTERN. #2	ALTERN. #3
GEOLOGY					
Unique Features					
Mineral/Energy Resources					
Rock Slope Stability					
Depth to Impermeable Layers					
Subsidence					
Consolidation					
Rock Weathering					
Seismic Hazards					
SOILS					
Slope Stability					
Foundation Support					
Shrink-Swell					
Frost Susceptibility					
Liquefaction					
Erodibility					
Permeability					
Productivity (Farmland)					
SPECIAL LAND FEATURES					
Sanitary Landfills					
*Wetlands (indicate permit)					
Coastal Zones/Shorelines					
Mine Dumps/Spoil Area					
Prime Agricultural Farmland					
Other - _____					
WATER RESOURCES					
Hydrologic Balance and Streamflow Regimes (Downstream impacts)					
Groundwater					

ENVIRONMENTAL ISSUES	NO ACTION	PROPOSED ACTION	ALTERN. #1	ALTERN. #2	ALTERN. #3
Groundwater Recharge Areas					
Depth to Water Table					
Drainage/Stormwater Mgt.					
Sedimentation/Erosion					
Impoundment Leakage					
Floodplains (E.O. 11988)					
Floodway Alteration					
Water Quality					
Specially Designated Wild and Scenic Rivers					
BIOTIC RESOURCES					
*Threatened and Endangered Species					
Plant and Animal Habitat					
Diversity					
Site Productivity					
Nutrient Cycling					
Wilderness Areas					
Unique Ecosystems					
Specially Designated Natural Areas					
CLIMATE AND AIR					
Macro-Climatic Hazards					
Forest and Range Fires					
Heat Balance					
Wind Alteration					
Humidity and Precipitation					
Generation and Dispersion of Contaminants					
Shadow Effect					
Air Quality					
HISTORICAL/CULTURAL RESOURCES					
*Archeological Sites					
*Historical Structures					
*Culturally Significant Features					

ENVIRONMENTAL ISSUES	NO ACTION	PROPOSED ACTION	ALTERN. #1	ALTERN. #2	ALTERN. #3
SOCIO-ECONOMIC					
Land Use/Zoning					
Employment/Economic Base					
Community Services					
Health and Safety					
Waste Water Treatment					
Water Supply					
Housing					
Transportation					
Noise/Odor/Vibration					
Sense of Community					
Viability of the Community					
Local Government Taxation					
Conflict with Other Plans					
Elderly Populations					
*Low Income Populations (E.O. 12898)					
*Minority Populations (E.O. 12898)					
VISUAL RESOURCES					
HAZARDOUS MATERIALS					
Underground Tanks					
Hazardous Building Materials					
Hazardous Waste Sites					

ACTIVITIES	SUBCOMPONENTS			
	1.1 UNIQUE FEATURES 1.2 MINERAL RESOURCES 1.3 ROCK SLOPE STABILITY 1.4 DEPTH TO IMPERMEABLE LAYERS 1.5 SUBSIDENCE 1.6 CONSOLIDATION 1.7 ROCK WEATHERING	2.1 SLOPE STABILITY 2.2 FOUNDATION SUPPORT 2.3 SHRINK-SWELL 2.4 LIQUEFICATION 2.5 EROSION 2.6 PERMEABILITY	3.1 SANITARY LANDFILLS 3.2 WETLANDS 3.3 COASTAL ZONES AND SHORELINES 3.4 MINE DUMPS AND SPOIL AREAS 3.5 PRIME AGRICULTURAL LAND	4.1 HYDROLOGIC BALANCE 4.2 GROUND WATER 4.3 GROUND WATER FLOW DIRECTION 4.4 DEPTH TO WATER TABLE 4.5 DRAINAGE CHANNELS 4.6 SEDIMENTATION 4.7 IMPOUNDMENT LEAKAGE 4.8 FLOODING 4.9 WATER QUALITY
CONSTRUCTION				
DEMOLITION				
CLEAR CUTTING AND OTHER VEGETATION REMOVAL				
BURNING MATERIALS OR WASTE				
TRANSPORTING MATERIAL				
SURFACE EXCAVATION	●	●	●	●
SUB-SURFACE EXCAVATION	●	●	●	●
BLASTING	●	●	●	●
DRILLING AND OTHER IMPACT ACTIVITIES	●	●	●	●
BANKING	●	●	●	●
IMPOUNDING	●	●	●	●
TERRACING	●	●	●	●
FLUID REMOVAL OR ADDITION	●	●	●	●
FILLING AND GRADING	●	●	●	●
LANDSCAPING	●	●	●	●
PAVING AND OTHER SURFACE COVERINGS	●	●	●	●
DREDGING	●	●	●	●
WATER CHANNELING	●	●	●	●
STRUCTURAL FOUNDATIONS	●	●	●	●
BUILDING SUPERSTRUCTURES	●	●	●	●
INSTALLING UNDERGROUND UTILITIES AND PIPES	●	●	●	●
POST-CONSTRUCTION				
GARDENING				
IRRIGATION				
INSECT/RODENT CONTROL				
SEWAGE/WASTE WATER DISPOSAL	●	●	●	●
INCINERATING WASTE				
SOLID WASTE DISPOSAL	●	●	●	●
PARKING				
OUTDOOR LIGHTING				
OUTDOOR ADVERTISING				
BARRIERS	●	●	●	●
RESIDENTIAL OPERATION				
COMMERCIAL OPERATION				
INDUSTRIAL OPERATION				
INSTITUTIONAL OPERATION				
CONSUMING NATURAL GAS, OIL, COAL, OR ELECTRICITY				
SPILLS AND LEAKS				
EXPLOSIONS				
CONSUMING WATER				
GENERATING VEHICULAR TRAFFIC				
GENERATING PEDESTRIAN TRAFFIC				

Action/Impact Scoping Matrix

ACTIVITIES	SUBCOMPONENTS	6.1 MACRO-CLIMATIC HAZARDS 6.2 FOREST AND RANGE FIRES 6.3 HEAT BALANCE 6.4 WIND ALTERATION 6.5 HUMIDITY AND PRECIPITATION 6.6 GENERATION AND DISPERSION OF CONTAMINANTS 6.7 SHADOW EFFECT	7.1 ENERGY REQUIREMENTS 7.2 CONSERVATION MEASURES 7.3 ENVIRONMENTAL SIGNIFICANCE	8.1 EDUCATIONAL FACILITIES 8.2 EMPLOYMENT 8.3 COMMERCIAL FACILITIES 8.4 HEALTH CARE/SOCIAL SERVICES 8.5 LIQUID WASTE DISPOSAL 8.6 SOLID WASTE DISPOSAL 8.7 WATER SUPPLY 8.8 STORMWATER DRAINAGE 8.9 POLICE 8.10 FIRE 8.11 RECREATION 8.12 TRANSPORTATION 8.13 CULTURAL FACILITIES
CONSTRUCTION DEMOLITION CLEAR CUTTING AND OTHER VEGETATION REMOVAL BURNING MATERIALS OR WASTE TRANSPORTING MATERIAL SURFACE EXCAVATION SUB-SURFACE EXCAVATION BLASTING DRILLING AND OTHER IMPACT ACTIVITIES BANKING IMPOUNDING TERRACING FLUID REMOVAL OR ADDITION FILLING AND GRADING LANDSCAPING PAVING AND OTHER SURFACE COVERINGS DREDGING WATER CHANNELING STRUCTURAL FOUNDATIONS BUILDING SUPERSTRUCTURES INSTALLING UNDERGROUND UTILITIES AND PIPES	5.1 PLANT AND ANIMAL SPECIES 5.2 VEGETATIVE COMMUNITY 5.3 DIVERSITY 5.4 SITE PRODUCTIVITY 5.5 NUTRIENT CYCLING	6.1 MACRO-CLIMATIC HAZARDS 6.2 FOREST AND RANGE FIRES 6.3 HEAT BALANCE 6.4 WIND ALTERATION 6.5 HUMIDITY AND PRECIPITATION 6.6 GENERATION AND DISPERSION OF CONTAMINANTS 6.7 SHADOW EFFECT	7.1 ENERGY REQUIREMENTS 7.2 CONSERVATION MEASURES 7.3 ENVIRONMENTAL SIGNIFICANCE	8.1 EDUCATIONAL FACILITIES 8.2 EMPLOYMENT 8.3 COMMERCIAL FACILITIES 8.4 HEALTH CARE/SOCIAL SERVICES 8.5 LIQUID WASTE DISPOSAL 8.6 SOLID WASTE DISPOSAL 8.7 WATER SUPPLY 8.8 STORMWATER DRAINAGE 8.9 POLICE 8.10 FIRE 8.11 RECREATION 8.12 TRANSPORTATION 8.13 CULTURAL FACILITIES
POST-CONSTRUCTION GARDENING IRRIGATION INSECT/RODENT CONTROL SEWAGE/WASTE WATER DISPOSAL INCINERATING WASTE SOLID WASTE DISPOSAL PARKING OUTDOOR LIGHTING OUTDOOR ADVERTISING BARRIERS RESIDENTIAL OPERATION COMMERCIAL OPERATION INDUSTRIAL OPERATION INSTITUTIONAL OPERATION CONSUMING NATURAL GAS, OIL, COAL, OR ELECTRICITY SPILLS AND LEAKS EXPLOSIONS CONSUMING WATER GENERATING VEHICULAR TRAFFIC GENERATING PEDESTRIAN TRAFFIC	5.1 PLANT AND ANIMAL SPECIES 5.2 VEGETATIVE COMMUNITY 5.3 DIVERSITY 5.4 SITE PRODUCTIVITY 5.5 NUTRIENT CYCLING	6.1 MACRO-CLIMATIC HAZARDS 6.2 FOREST AND RANGE FIRES 6.3 HEAT BALANCE 6.4 WIND ALTERATION 6.5 HUMIDITY AND PRECIPITATION 6.6 GENERATION AND DISPERSION OF CONTAMINANTS 6.7 SHADOW EFFECT	7.1 ENERGY REQUIREMENTS 7.2 CONSERVATION MEASURES 7.3 ENVIRONMENTAL SIGNIFICANCE	8.1 EDUCATIONAL FACILITIES 8.2 EMPLOYMENT 8.3 COMMERCIAL FACILITIES 8.4 HEALTH CARE/SOCIAL SERVICES 8.5 LIQUID WASTE DISPOSAL 8.6 SOLID WASTE DISPOSAL 8.7 WATER SUPPLY 8.8 STORMWATER DRAINAGE 8.9 POLICE 8.10 FIRE 8.11 RECREATION 8.12 TRANSPORTATION 8.13 CULTURAL FACILITIES

ACTIVITIES	SUBCOMPONENTS	10.1 NOISE 10.2 VIBRATION 10.3 ODOR 10.4 LIGHT 10.5 TEMPERATURE 10.6 DISEASE	11.1 COMMUNITY AND ORGANIZATION 11.2 HOMOGENEITY AND DIVERSITY 11.3 COMMUNITY STABILITY AND PHYSICAL CHARACTERISTICS	12.1 PHYSICAL THREAT 12.2 CROWDING 12.3 NUISANCE	13.1 VISUAL CONTENT 13.2 AREA AND STRUCTURE COHERENCE 13.3 APPARENT ACCESS	14.1 HISTORIC STRUCTURES, SITES AND DISTRICTS 14.2 ARCHAEOLOGICAL SITES AND STRUCTURES
CONSTRUCTION DEMOLITION CLEAR CUTTING AND OTHER VEGETATION REMOVAL BURNING MATERIALS OR WASTE TRANSPORTING MATERIAL SURFACE EXCAVATION SUB-SURFACE EXCAVATION BLASTING DRILLING AND OTHER IMPACT ACTIVITIES BANKING IMPOUNDING TERRACING FLUID REMOVAL OR ADDITION FILLING AND GRADING LANDSCAPING PAVING AND OTHER SURFACE COVERINGS DREDGING WATER CHANNELING STRUCTURAL FOUNDATIONS BUILDING SUPERSTRUCTURES INSTALLING UNDERGROUND UTILITIES AND PIPES	9.1 STRUCTURE 9.2 MATERIALS 9.3 SITE HAZARDS 9.4 CIRCULATION CONFLICT 9.5 ROAD SAFETY AND DESIGN 9.6 IONIZING RADIATION	10.1 NOISE 10.2 VIBRATION 10.3 ODOR 10.4 LIGHT 10.5 TEMPERATURE 10.6 DISEASE	11.1 COMMUNITY AND ORGANIZATION 11.2 HOMOGENEITY AND DIVERSITY 11.3 COMMUNITY STABILITY AND PHYSICAL CHARACTERISTICS	12.1 PHYSICAL THREAT 12.2 CROWDING 12.3 NUISANCE	13.1 VISUAL CONTENT 13.2 AREA AND STRUCTURE COHERENCE 13.3 APPARENT ACCESS	14.1 HISTORIC STRUCTURES, SITES AND DISTRICTS 14.2 ARCHAEOLOGICAL SITES AND STRUCTURES
POST-CONSTRUCTION GARDENING IRRIGATION INSECT/RODENT CONTROL SEWAGE/WASTE WATER DISPOSAL INCINERATING WASTE SOLID WASTE DISPOSAL PARKING OUTDOOR LIGHTING OUTDOOR ADVERTISING BARRIERS RESIDENTIAL OPERATION COMMERCIAL OPERATION INDUSTRIAL OPERATION INSTITUTIONAL OPERATION CONSUMING NATURAL GAS, OIL, COAL, OR ELECTRICITY SPILLS AND LEAKS EXPLOSIONS CONSUMING WATER GENERATING VEHICULAR TRAFFIC GENERATING PEDESTRIAN TRAFFIC	9.1 STRUCTURE 9.2 MATERIALS 9.3 SITE HAZARDS 9.4 CIRCULATION CONFLICT 9.5 ROAD SAFETY AND DESIGN 9.6 IONIZING RADIATION	10.1 NOISE 10.2 VIBRATION 10.3 ODOR 10.4 LIGHT 10.5 TEMPERATURE 10.6 DISEASE	11.1 COMMUNITY AND ORGANIZATION 11.2 HOMOGENEITY AND DIVERSITY 11.3 COMMUNITY STABILITY AND PHYSICAL CHARACTERISTICS	12.1 PHYSICAL THREAT 12.2 CROWDING 12.3 NUISANCE	13.1 VISUAL CONTENT 13.2 AREA AND STRUCTURE COHERENCE 13.3 APPARENT ACCESS	14.1 HISTORIC STRUCTURES, SITES AND DISTRICTS 14.2 ARCHAEOLOGICAL SITES AND STRUCTURES