# SUGGESTED FORMAT

## **Environmental Analysis Form**

Date	Proposed Construction Grant for	

as land, minerals, and fuels as well as the flow resources (water and air) that are constantly renewed but in which short-term or local shortages might occur.    Impact    Criteria  Impact    Will the project:  Impact    1) Change traditional use of the land parcel (by rezoning etc.)?  Impact    Present use of site:  Present use of site:    Proposed zoning:  Proposed zoning:	A. USE OF NATURAL RESOURCES						
Criteria  YES  NO  Description of Environmental Impact    Will the project:	This set of criteria is concerned with the <i>accessibility</i> of nonrenewable natural resources such as land, minerals, and fuels as well as the flow resources (water and air) that are constantly renewed but in which short-term or local shortages might occur.						
1) Change traditional use of the land parcel (by rezoning etc.)?  Present zoning:    Present use of site:  Proposed zoning:	Description of Environmental Impact			teria	Cri		
parcel (by rezoning etc.)? Present use of site: Proposed zoning:				I the project:	Wil		
	Present use of site:				1)		
development of stores, roads, or site changes?	I 0				2)		
a) Generate new stores?				,			
b) Cause new roads?				/			
c) Cause new parking?				c) Cause new parking?			
Before answering question 3, consider these items: Soil borings <i>have/have not</i> been completed. Proposed facility <i>will/will not</i> have foundations similar to other facilities in the area. The facility <i>is/is not</i> in a flood plain.				se items: Soil borings <i>have/have not</i> n completed. Proposed facility //will not have foundations similar other facilities in the area. The	thes bee <i>will</i> to o		
3) Use land for purposes unsuitable to its physical characteristics?					3)		
4) Include the use of wetlands (swamps, marshes etc.)?				Include the use of wetlands	4)		
5) Block access to known mineral (Sand, gravel, clay, stone, or other deposits? common building materials are not considered mineral deposits.)	leposits? common building materials are	de			5)		
6) Increase fuel and mineral consumption in state by more than 1% annually?	gallons of fuel cubic feet of natural gas tons of coal kWh of electricity			consumption in state by	6)		

Cri	teria	Imp YES	oact NO	Description of Environmental Impact
7)	Decrease the volume of water in a lake, river table, reservoir, etc.?			If yes, describe.
8)	Change traditional use of a body of water?			If yes, describe.
9)	<i>Not</i> comply with the local and State land use planning?			
B.	POLLUTION			
	environment, and changes in the com	vironmen position lly prese aterials :	nt, cha of env ent. T and th	anges in the flow of energy through the vironments through the augmentation or he criteria are also directly concerned with
Cri	teria	Imp YES	oact NO	Description of Environmental Impact
Wi	l the project:			
1)	Increase identifiable ambient air pollution levels from a new emission source or from existing sources?			
2)	Increase identifiable ambient air pollution levels through a major increase in the number of or use of automobiles, trucks, etc.?			Approximate number of new employees:
3)	Exceed city or State health standards with exhausts from fume hoods?			If yes, describe.
4)	Involve a) Dredging or swamp drainage?			If yes, describe.
	<ul><li>b) Construction of a waste treatment plant?</li></ul>			If yes, describe capacity & location.

Impact						
Cr	iteria	YES	NO	<b>Description of Environmental Impact</b>		
c)	Discharge of untreated human waste directly into a lake, river, etc.?			If yes, describe.		
d)	Discharge of laboratory wastes biohazard wastes directly into a lake, river, etc.?			If yes, describe		
5)	Overload existing waste treatment plants due to new loads (volume, chemicals, toxicity, etc.) water?			Please obtain and submit a connection permit or other approval from local sewer authority.		
6)	Cause soil erosion (after completion of construction phase) or leaching of foreign substances (such as salt) into soil?			If yes, describe		
7)	Allow seepage of contaminants into the water table?			If yes, describe.		
8)	Increase the stress placed upon an identified earthquake fault?			If yes, please include a statement from a structural engineer.		
9)	Create an identifiable change in aqautic life by discharge of hot water?			If yes, explain.		
10)	Decrease the percolation on More than one acre of land?			If yes, explain.		
11)	Cause storm water runoff onto land owned by others?			If yes, explain.		
Fa fac Fa	nsider the following statements prior to answerin cility <i>will/will not</i> emit noises in excess of local no ility near wildlife sanctuary? Are outdoor anima cility <i>will/will not</i> contain x-ray machines. Facility omic Energy Commission standards.	ise stand I faciliti	dards. es incl	Is uded?		
12)	Produce noises considered offensive to a human population?			If yes, describe.		

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Cri	teria	Imp YES	act NO	Description of Environmental Impact
13)	Create sounds that result in changes in behavior patterns of animals?			If yes, describe.
14)	Introduce major new sources of unshielded radiation?			If yes, describe.
15)	Cause shock waves and/or vibration (after construction phase)?			If yes, describe.
16)	Change the direction and wind velocity as to affect the local population (i.e., high-rise building)?			If yes, describe.
17)	Cause a new, large volume of production of non-recycled items?			If yes, describe.
18)	Result in the non-recycling of recyclable items such as laboratory glassware, animal cages, and office paper?			If yes, describe. If no, indicate number of Glassware-washing machines: Cage-washing machines:
19)	Generate solid wastes that cannot be properly disposed of by existing facilities?			If yes, describe. If no, describe proposed methods and disposal sites.
20)	Dispose of solid wastes in in polluting landfills, wells, caves, etc.?			If yes, describe.
21)	Require storage of waste pending technology for safe disposal?			If yes, describe.
22)	<i>Not</i> comply with Federal, State, & local requirements for waste handling, trans- portation, or disposal methods?			Describe proposed methods.

#### C. POPULATIONS

This section of the initial criteria addresses changes in human & plant populations. *NOTE:* For these criteria, the *affected area* is defined as being *greater* than 160 acres in size.

~		Imp		
Cri	teria	YES	NO	Description of Environmental Impact
Wil	l the facility cause:			
1)	A 5% change in the density of the local population?			Est. local population: Number of new employees:
2)	Alteration of transportation, health, education, and/or welfare service?			If yes, describe.
3)	Change in social service needs by altering population's age pattern (new schools, etc.)?			If yes, describe.
4)	A 5% change in the transient population?			If yes, describe.
				Include est. cost of Visitors: Patients: Students:
5)	Changes in genetic engineering directed at the human population?			If yes, describe.
6)	Violation of local, State, or Federal standards pertaining to population densities of or conservation of plants and animals?			If yes, describe. Also describe any approvals needed or submit those already obtained.

#### **D. HUMAN SERVICES**

As society has evolved, traditional self-sufficient human communities have given way to dense populations that depend upon the development and application of technology. Man's highly complex, technological environments are maintained by a variety of services, ranging from the provision of the basic necessities of food and water to a complex system of economic exchange. These services are largely interdependent, and their complexities must be considered.

*NOTE:* In this section, the *human environment* impacted upon is defined as *less* than 160 acres in size.

		Imp	act	
Cr	iteria	YES	NO	Description of Environmental Impac
:o	uld the proposed project disrupt:			
)	Food supplies for 48 hours?			If yes, explain.
)	Water supplies for over 48 hours?			If yes, explain.
)	Electrical power for 48 hours?			If yes, explain.
)	Heating supplies (natural gas, heating oil) for over 48 hours?			If yes, explain.
)	Or deprive population of housing for over 48 hours?			If yes, explain.
	Removal of sewage for more than 12 hours?			If yes, explain.
)	Removal of solid waste (trash) for more than 7 days?			If yes, explain.
)	Existing health services' response in case of a disaster?			If yes, explain.

		Imp	act	
Criteria		YES		<b>Description of Environmental Impact</b>
· ·	phone, telegraph, radio, or service for over 2 weeks ?			If yes, explain.
	nsmit service for more than 2 weeks?			If yes, explain.
Will the	proposed project use more than 5% of:			
11) Rem	aining electrical capacity?			Estimated daily usage iskWh. Please obtain & submit an approval letter from local utility or plant engineer.
12) Rem	naining water?			Estimated daily usage isgallons. Please obtain & submit an approval letter from local utility or plant engineer.
trea	ilable capacity of the sewage tment system (branch lines, 1s, plants)?			Estimated daily flow is <u>g</u> allons. Please obtain & submit an approval letter from local utility.
disp	ilable capacity of trash osal system (collection, ierator plant, landfill)?			Also clearly explain proposed handling and disposal of chemical wastes, biohazardous, syringes, and other special wastes.
	ilable heating fuel (gas, coal eating oil)?			Annual quantities have already been described. Explain which of these fuels, if any, are in short supply.
Will the	proposed project decrease:			
· •	% the food delivery system emoval of retail food stores			If yes, explain.
· ·	% the area's domestic sing by demolition, closing,			If yes, explain. Will <i>any</i> housing be demolished, closed, etc.?

	Impact					
Crite	ria	YES	NO	Description of Environmental Impact		
e	By more than 5% the use of existing transit systems (bus, rain, etc.)?			If yes, explain. Relate to extent of new employment.		
S	Accessibility to routine health ervices by altering point-of- ervice delivery?			If yes, explain.		
Will t	the proposed facility:					
p	ncrease by more than 5% the patient load of the area's routine care services?			If yes, explain.		
S	Change the availability of social ervices by opening or closing acilities?			If yes, explain.		
n r	ncrease by more than 5% the number of social services recipients (through nemployment)?			If yes, explain.		
	Cause discontinuation of existing tops or train stations?			If yes, explain.		
a	ncrease by more than 5% the nnual volume of telephone, elegraph, or mail?			If yes, explain. Relate to new employment or change in location of employees.		
,	Eliminate employment sources for 10% of the population.			If yes, describe.		
	Change school enrollment by nore than 5%?			If yes, describe.		

#### **E. HUMAN VALUES** The fifth set of criteria is directed toward human values concerning the environmental qualities generally agreed upon to the extent that they are stated in statutes, standards, or regulations. Impact **Description of Environmental Impact** Criteria YES NO Will the proposed project: 1) Encroach upon any historical, Historical preservation: Obtain and submit clearance letters from State architectural, or archeological cultural property? office. Architectual, archeological, and cultural: Obtain and submit clearance from local government or local society. 2) Affect any endangered species? If yes, describe. 3) Violate local, State, or Federal If yes, describe. standards on aesthetics, or noise?