

National Science Foundation

§ 641.16

§ 641.15 Preliminary environmental review.

(a) The responsible official shall be notified early in the general planning process of actions proposed by USAP components that may have impacts on the Antarctic environment, so that environmental review may be integrated into the planning and decisionmaking processes. The responsible official shall conduct a preliminary environmental review of each action, including consideration of the potential direct and reasonably foreseeable indirect effects of a proposed action on the Antarctic environment.

(b) If, on the basis of the preliminary environmental review, the responsible official determines that an action will have less than a minor or transitory impact on the Antarctic environment, he will prepare an Environmental Action Memorandum briefly summarizing the environmental issues considered and conclusions drawn from the review. No further environmental review shall be necessary.

§ 641.16 Preparation of environmental documents, generally.

(a) *Preparation of an environmental document.* If the responsible official determines, either initially or on the basis of a preliminary environmental review, that a proposed action may have at least a minor or transitory impact on the Antarctic environment, he will prepare an environmental document in accordance with the provisions of this part. In making this determination, the responsible official should consider whether and to what degree the proposed action:

- (1) Has the potential to adversely affect the Antarctic environment;
- (2) May adversely affect climate and weather patterns;
- (3) May adversely affect air or water quality;
- (4) May affect atmospheric, terrestrial (including aquatic), glacial or marine environments;
- (5) May detrimentally affect the distribution, abundance or productivity or species, or populations of species of fauna and flora;
- (6) May further jeopardize endangered or threatened species or populations of such species;

(7) May degrade, or pose substantial risk to, areas of biological, scientific, historic, aesthetic or wilderness significance;

(8) Has highly uncertain environmental effects, or involves unique or unknown environmental risks; or

(9) Together with other actions, the effects of any one of which is individually insignificant, may have at least minor or transitory cumulative environmental effects.

(b) *Prior assessments.* Notwithstanding the provisions of § 641.16(a), if (1) An environmental document (including a generic or programmatic CEE) or its equivalent has been prepared for a particular type of action; (2) That document includes an analysis of potential environmental effects that are directly relevant to the potential effects of the proposed action, taking in account factors such as the similarity of the actions and of the locations within which they take place; and (3) There are no potential site specific or other impacts that would require further evaluation, then a new environmental document need not be prepared. Instead, the responsible official shall prepare an Environmental Action Memorandum for the proposed action, cross-referencing the previously prepared environmental document.

(c) *Exclusions.* NSF has determined that the following actions will have less than a minor or transitory impact on the Antarctic environment, and are not subject to the procedures set forth in this part, except to the extent provided herein:

(1) Scientific research activities involving:

(i) Low volume collection of biological or geologic specimens, provided no more mammals or birds are taken than can normally be replaced by natural reproduction in the following season;

(ii) Small-scale detonation of explosives in connection with seismic research conducted in the continental interior or Antarctica where there will be no potential for impact on native flora and fauna;

(iii) Use of weather/research balloons, research rockets, and automatic weather stations that are to be retrieved; and