those classes that are categorically excluded. (Categorical exclusion is defined at 40 CFR 1508.4.) The word “normally” is stressed; there may be individual cases in which specific factors require contrary action. NSF directorates and offices are responsible for identifying situations in which an environmental assessment or an EIS should be prepared even if not normally required by paragraph (b) of this paragraph.

(b) Most NSF awards support individual scientific research projects and are not “major Federal actions significantly affecting the quality of the human environment” except in the sense that the long term effect of the accumulation of human knowledge is likely to affect the quality of the human environment. However, such long term effects are basically speculative and unknowable in advance; thus they normally do not provide a sufficient basis for classifying research as subject to NEPA (See 40 CFR 1508.8) and are categorically excluded from an environmental assessment. Nevertheless, in some cases the actual procedures used in carrying out the research may have potential environmental effects, particularly where the project requires construction of facilities or major disturbance of the local environment brought about by blasting, drilling, excavating, or other means. Accordingly, except as provided in paragraph (c) of this section, the following types of activities require at least an environmental assessment:

1. Cases where developmental efforts are supported, if the project supports the transition of a particular technology from the development stage to large-scale commercial utilization.

2. Any project supporting construction, other than interior remodelling.

3. Cases where field work affecting the natural environment will be conducted.

4. Any project that will involve drilling of the earth, excavation, explosives, weather modification, or other techniques that may alter a local environment.

5. Any project that provides for the testing and release of biological-control agents for purposes of ecosystem manipulation and assessment of short- and long-term effects of major ecosystem perturbation.

(c) Directorates having divisions or programs with a substantial number of projects that fall within categories (3), (4), and (5) in (b) of this section, are authorized to issue supplemental guidelines to Division Directors and Program Officers establishing subcategories of research methodologies or techniques for which environmental assessments need not be prepared. For example, if a program regularly supports research that involves noninvasive techniques or nonharmful invasive techniques (such as taking water or soil samples, or collecting non-protected species of flora and fauna) the directorate may determine that field projects otherwise coming under paragraph (b)(3) of this section which involve only the use of such techniques do not require an environmental assessment. However, any such guidelines must be submitted to the Chairman for approval.

(d) In some cases within the categories listed in paragraph (b) of this section, it will be evident at the outset or after the assessment process is begun that an EIS should be prepared. In such cases an assessment need not be completed, but the process of preparing an EIS (See §640.5, of this part) should be started.

§ 640.4 Responsibilities and procedures for preparation of an environmental assessment.

(a) Program Officers, as the first point of decision in the review process, shall determine into which category incoming proposals fall, according to the criteria set forth in §640.3 of this part. Notwithstanding this responsibility of the Program Officer, the appropriate Division Director, Assistant Director, and other reviewing policy officials must assure that adequate analysis is being made.

(b) Where appropriate, programs, divisions, or directorates will advise prospective applicants in program announcements, requests for proposals, and other NSF-prepared brochures of the requirement to furnish information regarding any environmental impact that the applicant’s proposed study may have.
§ 640.5 Responsibilities and procedures for preparation of an environmental impact statement.

(a) If initially or after an environmental assessment has been completed, it is determined that an environmental impact statement should be prepared, it and other related documentation will be prepared by the directorate responsible for the action in accordance with section 102(2)(c) of the Act, this part, and the CEQ regulations. The responsible directorate will be in close communication with the grant or contract applicant and may have to rely extensively on his or her input in preparing the EIS. However, once a document is prepared it shall be submitted to the Chairman who, after such review by the Committee as is deemed necessary by the Chairman, shall transmit the document as required by CEQ regulations and this part. If the Chairman considers a document unsatisfactory, he or she shall return it to the responsible directorate for revision prior to an award decision.

Specifically, the following steps, as discussed in the CEQ regulations, will be followed in preparing an EIS:

1. A notice of intent to prepare a draft EIS will be published as described in 40 CFR 1501.7.

2. Scoping, as described in 40 CFR 1501.7, will be conducted.

3. The format and contents of the draft and final EIS shall be as discussed in 40 CFR part 1502.

4. Comments on the draft EIS shall be invited as set forth in 40 CFR 1503.1. The minimum period to be afforded for comments on a draft EIS shall be 45 days, unless a lesser period is necessary to comply with other specific statutory requirements or in case of emergency circumstances, as described in 40 CFR 1506.11.

5. The requirements of 40 CFR 1506.9 for filing of documents with the Environmental Protection Agency shall be followed.

6. The responsible directorate shall examine carefully the basis on which supportive studies have been conducted for a 30 day public review period before any action is taken.