

**§ 971.604 Best available technologies (BAT) and mitigation.**

(a) The Administrator shall require in all activities under new permits, and wherever practicable in activities under existing permits, the use of the best available technologies for the protection of safety, health, and the environment wherever such activities would have a significant adverse effect on safety, health, or the environment, except where the Administrator determines that the incremental benefits are clearly insufficient to justify the incremental costs of using such technologies. Because of the embryonic nature of the industry, NOAA is unable either to specify particular equipment or procedures comprising BAT or to define performance standards. Until such experience exists, the applicant shall submit such information as is necessary to indicate, as required above, the use of BAT, the alternatives considered to the specific equipment or procedures proposed, and the rationale as to why one alternative technology was selected in place of another. This analysis shall include a discussion of the relative costs and benefits of the technologies considered.

(b) NOAA is not specifying particular mitigation methodologies or techniques at this time (such as requiring the sub-surface release of mining vessel discharges), but expects applicants and permittees to develop and carry out their operations, to the extent possible, to minimize adverse environmental effects and to be able to demonstrate efforts to that end. The applicant must submit a plan describing how he would mitigate a problem, if it were caused by the surface release of mining vessel discharges, including a plan for the monitoring of any discharges. Based upon monitoring results, NOAA may find it necessary in the future to specify particular procedures for minimizing adverse environmental effects. These procedures would be incorporated into permit TCRs.

(c) NOAA will require the permittee to report, prior to implementation, any proposed technological or operational changes that will increase or have unknown environmental effects. Changes in composition, concentration or size distribution of suspended particulates

discharged from the mining vessel, water depth of vessel discharges, depth of cut in the seafloor of the mining collector, and direction or amount of sediment discharged at the seafloor are factors of concern to NOAA. In reporting any such change, the permittee shall submit information to indicate the use of BAT, alternatives considered, and rationale for selecting one technology in place of another, in a manner comparable to and to the extent required in paragraph (a) of this section. If proposed changes have a high potential for increasing adverse environmental effects, the Administrator may disapprove or require modification of the changes.

**§ 971.605 Stable Reference Areas. [Reserved]**

**§ 971.606 Onshore information.**

(a) To assist the Administrator in complying with NEPA requirements and to enable NOAA to function as lead agency in preparing permit site-specific environmental impact statements (EISs) and facilitating the preparation and processing of other environmental documents and permits, the applications must include the following information:

- (1) The location and affected environment of port, transport, processing and waste disposal facilities and associated facilities (e.g., maps, land use and layout);
- (2) A description of the environmental consequences and socio-economic effects of construction and operation of the facilities, including waste characteristics and toxicity;
- (3) Any mitigating measures that may be proposed;
- (4) Certification of consistency with the federally approved State coastal management program, where applicable, and evidence of the status of compliance with other State or local requirements relating to protection of the environment; and
- (5) Alternative sites and technologies considered by the applicant and the considerations which eliminate their selection.

(b) The applicant must consult with NOAA as early as possible concerning the information to be submitted to

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NOAA to prepare an adequate environmental impact statement. The applicant is encouraged to consult with potentially affected States as early as is practicable [see also §§ 971.200(g) and 971.213].

(c) The requirements of paragraphs (a)(1)–(3) and (5) of this section also apply if approval of processing outside the United States is requested by the applicant, in accordance with Executive Order 12114 which requires the environmental review of major Federal actions abroad. Information detailing the socio-economic impacts of foreign processing activities is not required.

### **Subpart G—Safety of Life and Property at Sea**

#### **§ 971.700 General.**

The Act contains several requirements that relate to assuring the safety of life and property at sea. For example, before the Administrator may issue a permit, he must find that the proposed recovery will not pose an inordinate threat to the safety of life and property at sea (section 105(a)(5)). The Coast Guard, in consultation with NOAA, must require in any permit issued under the Act, in conformity with principles of international law, that vessels documented in the United States and used in activities authorized under the permit comply with conditions regarding the design, construction, alteration, repair, equipment, operation, manning and maintenance relating to vessel and crew safety and the safety of life and property at sea (section 112(a)). The Administrator may impose or modify TCRs for a permit if required to promote the safety of life and property at sea (section 105(c)(1)(B)).

#### **§ 971.701 Criteria for safety of life and property at sea.**

Response to the safety at sea requirements in essence will involve vessel inspection requirements, as identified by present laws and regulations. The primary inspection statutes pertaining to United States flag vessels are: 46 App. U.S.C. 86 (Loadlines) and 46 U.S.C. 3301 (Inspection of Seagoing Barges, Seagoing Motor Vessels, and Freight Vessels). United States flag vessels will be

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required to meet all applicable regulatory requirements, including the requirement for a current valid Coast Guard Certificate of Inspection (pursuant to § 971.205(a)). United States flag vessels are under United States jurisdiction on the high seas and subject to domestic enforcement procedures. With respect to foreign flag vessels, the SOLAS 74 or SOLAS 60 certificate requirements specified in § 971.205(b) apply.

### **Subpart H—Miscellaneous**

#### **§ 971.800 General.**

The subpart contains miscellaneous provisions pursuant to the Act which are applicable to exploration licenses and commercial recovery permits.

#### **§ 971.801 Records to be maintained and information to be submitted by licensees and permittees.**

(a)(1) In addition to the information specified elsewhere in the part and in 15 CFR part 970, each licensee and permittee must keep such records, consistent with standard accounting principles, as specified by the Administrator in the license or permit. Such records shall include information which will fully disclose expenditures for exploration for, or commercial recovery of hard mineral resources in the area under license or permit, and any other information which will facilitate an effective audit of these expenditures.

(2) The Administrator and the Comptroller General of the United States, or any of their duly authorized representatives, shall have access, for purposes of audit and examination to any books, documents, papers, and records of licensees and permittees which are necessary and directly pertinent to verification of the expenditures referred to in paragraph (a)(1) of this section.

(b) In addition to the information specified elsewhere in this part and in 15 CFR part 970, each applicant, licensee or permittee will be required to submit to the Administrator, upon request, data or other information the Administrator may reasonably need for purposes of: