

National Science Foundation

§ 674.2

notification is required under Paragraph 5 of Article VII of the Antarctic Treaty.

Person has the meaning given that term in section 1 of title 1, United States Code, and includes any person subject to the jurisdiction of the United States except that the term does not include any department, agency, or other instrumentality of the Federal Government.

§ 673.4 Environmental protection information.

(a) Any person who organizes a non-governmental expedition to Antarctica and who does business in the United States shall notify expedition members of the environmental protection obligations of the Antarctic Conservation Act.

(b) The National Science Foundation's Office of Polar Programs may prepare for publication and distribution explanation of the prohibited acts set forth in the Antarctic Conservation Act, as well as other appropriate educational material for tour operators, their clients, and employees. Such material provided to tour operators for distribution to their passengers and crew shall be disseminated prior to or during travel to the Antarctic.

§ 673.5 Emergency response plan.

Any person organizing a non-governmental expedition to or within Antarctica who is transporting passengers aboard a non-U.S. flagged vessel shall ensure that:

(a) The vessel owner's or operator's shipboard oil pollution emergency plan, prepared and maintained according to Regulation 26 of Annex I of the International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 relating thereto (MARPOL 73/78), has provisions for prompt and effective response action to such emergencies as might arise in the performance of the vessel's activities in Antarctica. Any emergency response plan which satisfies the requirements contained in 33 CFR 151.26 of the U.S. Coast Guard regulations will also satisfy the requirements of this paragraph. If the vessel owner or operator does not have a shipboard oil pollution emergency plan, a

separate plan for prompt and effective response action is required.

(b) The vessel owner or operator agrees to take all reasonable measures to implement the plan for a prompt and effective response action in the event of an emergency, taking into account considerations of risk to human life and safety.

PART 674—ANTARCTIC METEORITES

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AUTHORITY: 16 U.S.C. 2401 *et seq.*

SOURCE: 68 FR 15379, Mar. 31, 2003, unless otherwise noted.

§ 674.1 Purpose of regulations.

The purpose of the regulations in this part is to implement the Antarctic Conservation Act of 1978, as amended by the Antarctic Science, Tourism and Conservation Act of 1996, (16 U.S.C 2401 *et seq.*), and Article 7 of the Protocol on Environmental Protection to the Antarctic Treaty done at Madrid on October 4, 1991. Specifically, this part is designed to ensure meteorites in Antarctica will be collected for scientific research purposes only and that U.S. expedition organizers to Antarctica who plan to collect meteorites in Antarctica will ensure that any specimens collected will be properly collected, handled, documented and curated to preserve their scientific value.

§ 674.2 Scope and applicability.

This part applies to any person who collects meteorites in Antarctica. The requirements of § 674.5 apply to any person organizing an expedition to or within Antarctica for which the United States is required to give advance notice under Paragraph (5) of Article VII of the Antarctic Treaty where one of the purposes of the expedition is to collect meteorites in Antarctica. The requirements in this part only apply to

the collection of meteorites in Antarctica after April 30, 2003.

§ 674.3 Definitions.

In this part:

Antarctica means the area south of 60 degrees south latitude.

Expedition means an activity undertaken by one or more persons organized within or proceeding from the United States to or within Antarctica for which advance notification is required under Paragraph 5 of Article VII of the Antarctic Treaty.

Incremental cost is the extra cost involved in sharing the samples with other researchers. It does not include the initial cost of collecting the meteorites in Antarctica or the cost of maintaining the samples in a curatorial facility.

Person has the meaning given that term in section 1 of title 1, United States Code, and includes any person subject to the jurisdiction of the United States.

§ 674.4 Restrictions on collection of meteorites in Antarctica.

No person may collect meteorites in Antarctica for other than scientific research purposes.

§ 674.5 Requirements for collection, handling, documentation, and curation of Antarctic meteorites.

(a) Any person organizing an expedition to or within Antarctica, where one of the purposes of the expedition is to collect meteorites in Antarctica, shall ensure that the meteorites will be properly collected, documented, handled, and curated to preserve their scientific value. Curation includes making specimens available to bona fide scientific researchers on a timely basis, in accordance with specified procedures.

(b) Expedition organizers described in paragraph (a) of this section shall develop and implement written procedures for the collection, documentation, and curation of specimens which include the following components:

(1) *Handling requirements.* Handling procedures shall ensure that the specimens are properly labeled and handled to minimize the potential for contamination from the point of collection to

the point of curation. At a minimum, handling procedures shall include:

(i) Handling the samples with clean Teflon or polyethylene coated implements or stainless steel implements (or equivalent);

(ii) Double bagging of samples in Teflon or polyethylene (or equivalent) bags;

(iii) A unique sample identifier included with the sample;

(iv) Keeping the samples frozen at or below -15°C until opened and thawed in a clean laboratory setting at the curation facility; and

(v) Thawing in a clean, dry, non-reactive gas environment, such as nitrogen or argon.

(2) *Sample documentation.* Documentation for each specimen, that includes, at a minimum:

(i) A unique identifier for the sample;

(ii) The date of find;

(iii) The date of collection (if different from date of find);

(iv) The latitude and longitude to within 500 meters of the location of the find and the name of the nearest named geographical feature;

(v) The name, organizational affiliation, and address of the finder or the expedition organizer;

(vi) A physical description of the specimen and of the location of the find; and

(vii) Any observations of the collection activity, such as potential contamination of the specimen.

(3) *Curation.* Make prior arrangements to ensure that any specimens collected in Antarctica will be maintained in a curatorial facility that will:

(i) Preserve the specimens in a manner that precludes chemical or physical degradation;

(ii) Produce an authoritative classification for meteorites that can be shown to belong to a well-established chemical and petrological group, and provide appropriate descriptions for those meteorites that cannot be shown to belong to an established chemical and petrological group;

(iii) Develop and maintain curatorial records associated with the meteorites including collection information, authoritative classification, total known mass, information about handling and sample preparation activities that have