

National Science Foundation

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be disposed of into the sea provided disposal does not adversely affect the local environment.

(d) Residues of introduced animal carcasses, laboratory culture of microorganisms and plant pathogens, and introduced avian products must be removed from Antarctica unless incinerated, autoclaved or otherwise sterilized.

(e) Combustible wastes not removed from Antarctica other than wastes referred to in paragraph (a) of this section, shall be burnt in incinerators which reduce harmful emissions or discharges to the maximum extent practicable and the solid residue of such incineration shall be removed from Antarctica; provided, however, that USAP may continue to bury such combustible wastes in snow pits at South Pole Station, but must phase out such practices before March 1, 1995. Any emission or discharge standards and equipment guidelines which may be recommended by the Committee for Environmental Protection constituted or to be constituted pursuant to the Protocol or by the Scientific Committee on Antarctic Research shall be taken into account.

(f) Sewage and domestic liquid wastes and other liquid wastes not removed from Antarctica in accordance with other provisions of this section, shall, to the maximum extent practicable, not be disposed of onto sea ice, ice shelves or grounded ice-sheet unless such wastes were generated by stations located inland on ice shelves or on the grounded ice-sheet. In such event, the wastes may be disposed of in deep ice pits if that is the only practicable option, provided the ice pits are not located on known ice-flow lines which terminate at ice-free land areas or in blue ice areas of high ablation.

(g) No wastes may be disposed of onto ice-free areas or into any fresh water system.

(h) Open burning of wastes is prohibited at all permanent stations, and shall be phased out at all other locations by March 1, 1994. If it is necessary to dispose of waste by open burning prior to March 1, 1994, allowance shall be made for the wind direction and speed and the type of waste to be burnt to limit particulate deposition and to avoid such deposition over areas of spe-

cial biological, scientific, historic, aesthetic or wilderness significance.

(i) Each unauthorized release of waste in Antarctic shall be, to the maximum extent practicable, promptly cleaned up by the person responsible for such release.

§ 671.13 Waste management for the USAP.

(a) In order to provide a basis for tracking USAP wastes, and to facilitate studies aimed at evaluating the environmental impacts of scientific activity and logistic support, the USAP shall classify its wastes in one of the following categories:

- (1) Sewage and domestic liquid wastes;
- (2) Other liquid wastes and chemicals, including fuels and lubricants;
- (3) Solid wastes to be combusted;
- (4) Other solid wastes; and
- (5) Radioactive material.

(b) USAP shall prepare and annually review and update a waste management plan (including plans for waste reduction, storage and disposal) specifying for each of its permanent stations, field camps and ships (other than small boats that are part of the operations of permanent stations or are otherwise taken into account in existing management plans for ships):

- (1) Current and planned waste management arrangements, including final disposal;
- (2) Current and planned arrangement for assessing the environmental effects of waste and waste management;
- (3) Other efforts to minimize environmental effects of wastes and waste management; and
- (4) Programs for cleaning up existing waste disposal sites and abandoned work sites.

(c) USAP shall designate one or more waste management officials to develop and monitor waste management plans and ensure that members of expeditions receive training so as to limit the impact of their activities on the Antarctic environment, and to inform them of the requirements of the Protocol and of this Part.

(d) USAP shall, to the extent practicable, prepare an inventory of locations of past activities (i.e., traverses,

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fuel depots, field bases, crashed aircraft) so that such locations can be taken into account in planning future scientific, logistic and waste management programs.

(e) USAP shall clean up its past and present waste disposal sites on land and abandoned work sites, except that it shall not be required to:

(1) Remove any structure designated as a historic site or monument; or

(2) Remove any structure or waste in circumstances where the removal would result in greater adverse environmental impact than leaving the structure or waste in its existing location.

(f) USAP shall circulate waste management plans and inventories described in this section in accordance with the requirements of the Treaty and the Protocol.

Subpart E—Designation of Banned Substances; Reclassification of Pollutants

§ 671.14 Annual review.

The Director shall review the list of banned substances and designated pollutants at least annually, and may propose the designation or redesignation of any substance as a banned substance, designated pollutant or other waste, based on the following criteria:

(a) If the Director determines that a substance, including a designated pollutant, poses a substantial immediate hazard to health or the environment and such hazard cannot be eliminated through waste management practices or other methods, or if the Parties to the Protocol or Treaty agree that a substance should be banned from use in Antarctica, the Director may designate such substance a banned substance.

(b) If the Director determines that a substance is liable to create a hazard to health or the environment if improperly treated or processed, stored, transported, or disposed of, the Director may designate such substance a designated pollutant.

(c) If the Director determines that a substance previously designated a banned substance no longer displays the characteristics described in paragraph (a) of this section, the Director may remove such substance from the

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list of banned substances (to the extent consistent with the provisions of the Protocol), but if the Director determines that such substance has the characteristics described in paragraph (b) of this section, it shall be redesignated a designated pollutant.

(d) If the Director determines that a substance previously designated a designated pollutant no longer displays the characteristics described in paragraph (b) of this section, the Director may remove such substance from the list of designated pollutants.

(e) In making the determinations referred to in paragraphs (a) through (d) of this section, the Director shall take into account all relevant new information obtained through monitoring activities or otherwise.

§ 671.15 Publication of preliminary determination

Prior to any designation or redesignation of substances pursuant to § 671.14 (including removal of such substances from lists of banned substances or designated pollutants), the Director shall publish notice in the FEDERAL REGISTER of any proposed designation or redesignation, including the basis therefor. The notice shall invite the submission by interested parties, the Environmental Protection Agency and other federal agencies, within 30 days after the date of publication of notice, of written data, comments, or views with respect to such action.

§ 671.16 Designation and redesignation of pollutants

After review of any comments or suggestions received from interested parties, the Environmental Protection Agency and other Federal agencies pursuant to § 671.15, the Director will make a final determination to designate and redesignate various substances as set forth above. Within 10 days after the date of such final determination, the Director shall publish notice of any action taken in the FEDERAL REGISTER. Such action shall become effective no earlier than thirty days following publication of notice.