

**Environmental Protection Agency**

**Pt. 192, App. I**

	pCi/liter
Gross alpha-particle activity (excluding radon and uranium) .....	15

**Subpart E—Standards for Management of Thorium Byproduct Materials Pursuant to Section 84 of the Atomic Energy Act of 1954, as Amended**

SOURCE: 48 FR 45947, Oct. 7, 1983, unless otherwise noted.

**§ 192.40 Applicability.**

This subpart applies to the management of thorium byproduct materials under section 84 of the Atomic Energy Act of 1954, as amended, during and following processing of thorium ores, and to restoration of disposal sites following any use of such sites under section 83(b)(1)(B) of the Act.

**§ 192.41 Provisions.**

Except as otherwise noted in § 192.41(e), the provisions of subpart D of this part, including §§ 192.31, 192.32, and 192.33, shall apply to thorium byproduct material and:

(a) Provisions applicable to the element uranium shall also apply to the element thorium;

(b) Provisions applicable to radon-222 shall also apply to radon-220; and

(c) Provisions applicable to radium-226 shall also apply to radium-228.

(d) Operations covered under § 192.32(a) shall be conducted in such a manner as to provide reasonable assurance that the annual dose equivalent does not exceed 25 millirems to the whole body, 75 millirems to the thyroid, and 25 millirems to any other organ of any member of the public as a result of exposures to the planned discharge of radioactive materials, radon-220 and its daughters excepted, to the general environment.

(e) The provisions of § 192.32(a) (3) and (4) do not apply to the management of thorium byproduct material.

[48 FR 45946, Oct. 7, 1983, as amended at 58 FR 60356, Nov. 15, 1993]

**§ 192.42 Substitute provisions.**

The regulatory agency may, with the concurrence of EPA, substitute for any

provisions of § 192.41 of this subpart alternative provisions it deems more practical that will provide at least an equivalent level of protection for human health and the environment.

**§ 192.43 Effective date.**

Subpart E shall be effective December 6, 1983.

APPENDIX I TO PART 192—LISTED CONSTITUENTS

- Acetonitrile
- Acetophenone (Ethanone, 1-phenyl)
- 2-Acetylaminofluorene (Acetamide, N-9H-fluoren-2-yl-)
- Acetyl chloride
- 1-Acetyl-2-thiourea (Acetamide, N-(aminothioxymethyl)-)
- Acrolein (2-Propenal)
- Acrylamide (2-Propenamide)
- Acrylonitrile (2-Propenenitrile)
- Aflatoxins
- Aldicarb (Propenal, 2-methyl-2-(methylthio)-,O-[(methylamino)carbonyl]oxime
- Aldrin (1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro(1 $\alpha$ ,4 $\alpha$ ,4a $\beta$ ,5 $\alpha$ ,8 $\alpha$ ,8 $\alpha\beta$ )-)
- Allyl alcohol (2-Propen-1-ol)
- Allyl chloride (1-Propane,3-chloro)
- Aluminum phosphide
- 4-Aminobiphenyl ([1,1'-Biphenyl]-4-amine)
- 5-(Aminomethyl)-3-isoxazolol (3(2H)-Isoxazolone,5-(aminomethyl)-)
- 4-Aminopyridine (4-Pyridineamine)
- Amitrole (1H-1,2,4-Triazol-3-amine)
- Ammonium vanadate (Vanadic acid, ammonium salt)
- Aniline (Benzenamine)
- Antimony and compounds, N.O.S.<sup>1</sup>
- Aramite (Sulfurous acid, 2-chloroethyl 2-[4-(1,1-dimethylethyl)phenoxy]-1-methylethyl ester)
- Arsenic and compounds, N.O.S.
- Arsenic acid (Arsenic acid H<sub>3</sub> AsO<sub>4</sub>)
- Arsenic pentoxide (Arsenic oxide As<sub>2</sub> O<sub>5</sub>)
- Auramine (Benzamine, 4,4'-carbonimidoylbis[N,N-dimethyl-])
- Azaserine (L-Serine, diazoacetate (ester))
- Barium and compounds, N.O.S.
- Barium cyanide
- Benz[c]acridine (3,4-Benzacridine)
- Benz[a]anthracene (1,2-Benzanthracene)
- Benzal chloride (Benzene, dichloromethyl-)
- Benzene (Cyclohexatriene)
- Benzeneearsonic acid (Arsenic acid, phenyl-)
- Benzidine ([1,1'-Biphenyl]-4,4'-diamine)
- Benzo[b]fluoranthene (Benz[e]acephananthrylene)

<sup>1</sup>The abbreviation N.O.S. (not otherwise specified) signifies those members of the general class not specifically listed by name in this appendix.