

EPA Docket A-90-40
EPA Project No. 80/41
Asbestos NESHAP Comprehensive Revision
Category II
Items Considered in Developing Proposal
Subcategory II-A
EPA Studies and Contractor Reports

<u>Document No.</u>	<u>Description</u>
II-A-1	The asbestos/NESHAP initiative: identifying non-notifiers of asbestos renovation and demolition, EPA Region III, undated, 18 pp.
II-A-2	Non-notifier detection program (draft), EPA Region I, undated, 13 pp.
II-A-3	Guidance for controlling asbestos-containing materials in buildings, EPA:OPTS, EPA-560/5-85-024, June 1985, 110 pp.
II-A-4	Asbestos abatement rules: a preliminary cost-effectiveness analysis, Research Triangle Institute, prepared for EPA:OTS, July 1985, pp. B-10 - B-12.
II-A-5	Compilation of air pollution emission factors, vol. I: stationary point and area sources, 4th ed., AP-42, section 11.2, fugitive dust sources, EPA:OAQPS, September 1985, with supplement A, October 1986, 65 pp.
II-A-6	Engineering design, specifications, and on-site technical assistance for covering waste asbestos: Lowell Road site, Hudson, New Hampshire, U.S. Army, Cold Regions Research and Engineering Laboratory, prepared for EPA Region I, Interagency Agreement DW 21931501, March 1987, 44 pp.
II-A-7	EPA study of asbestos-containing materials in public buildings: a report to Congress, EPA, February 1988, 115 pp.
II-A-8	Background document: updated review of selected provisions of state solid waste regulations - criteria for municipal solid waste landfills (draft), EPA:OSW, EPA/530-SW-88-039, July 1988, 66 pp.
II-A-9	Economic analysis of the cost of an hypothetical EPA asbestos inspection rule, EPA:OTS, March 1990, 17 pp.

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Subcategory II-B
EPA Factual Memoranda

<u>Document No.</u>	<u>Description</u>
II-B-1	Memorandum, J. Turner, Research Triangle Institute, to M. Laney, Research Triangle Institute, October 5, 1984, High-efficiency particulate air (HEPA) filters after baghouses and scrubbers (asbestos).
II-B-2	Memorandum, M. Laney, Research Triangle Institute, to J. Copeland, EPA:ISB, and S. Roy, EPA:SDB, May 2, 1986, Density of segregated asbestos waste and mixed demolition waste.
II-B-3	Memorandum, M. Laney, Research Triangle Institute, to S. Roy, EPA:SDB, February 9, 1987, Cost effectiveness of replacing low efficiency scrubbers with high efficiency venturi scrubbers.
II-B-4	Memorandum, M. Laney, Research Triangle Institute, to S. Roy, EPA:SDB, May 7, 1987, Emissions and costs associated with asbestos removal and waste disposal operations involving amounts of asbestos that are below the current NESHAP size cutoffs (draft).

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Subcategory II-C
Correspondence from EPA to Persons Outside the Agency

Document No.

Description

II-C-1

J. Weigold, EPA:ESD, to National Air Pollution Control Techniques Advisory Committee (NAPCTAC) members, industry representatives, environmental groups, and others (mailing list attached), December 20, 1990, Notification of NAPCTAC meeting and transmitting documents for review ("Comprehensive Revisions to the Asbestos NESHAP - Information for NAPCTAC" attached).

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Ashland's NESHAP Comprehensive Revision
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Items Considered in Developing Proposal
Subcategory II-D
Correspondence to EPA from Persons Outside the Agency

<u>Document No.</u>	<u>Description</u>
II-D-1	A. Nolan, Puget Sound Air Pollution Agency, to J. Copeland, EPA:OAQPS, January 16, 1987, Discussing types of notifications received and disposal logs received from local landfills.
II-D-2	R. Wilson, Aerospace America, Inc., to M. Moore, Research Triangle Institute, September 24, 1990, Fax transmittal citing costs for Aero two-stage pump and filter (specification page attached).

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Category II
Items Considered in Developing Proposal
Subcategory II-E
Memoranda of Meetings and Telephone
Conversations With Outside Persons

Document No.

Description

II-E-1

M. Branscome, Research Triangle Institute, to F. Grant, Grant and Shelton Manufacturing Company, Inc., July 30 and September 24, 1990, Telecon regarding price quote for canvas tarp truck cover and estimated service life (price confirmation attached).

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Items Considered in Developing Proposal
Subcategory II-I
Reference Materials

<u>Document No.</u>	<u>Description</u>
II-I-1	Brochure, Facts on asbestos asphalt concrete, Johns-Manville, no. AF-60A, May 1973, 7 pp.
II-I-2	Article, Asbestos-asphalt paving gives streets longer life, R. Olton, reprinted from The American City Magazine, Bittenheim Publishing Company, September 1973, 2 pp.
II-I-3	Report, Pavement design for seasonal frost conditions, Army TM 5-818-2, Air Force AFM 88-6, chapter 4, prepared by Departments of the Army and the Air Force, January 1985, 64 pp.
II-I-4	Report, Final report on economic and technological profile related to OSHA's revised permanent asbestos standard for the construction industry and asbestos removal and routine maintenance projects in general industry: chapters 1-7, prepared by Consad Research Corporation, prepared for U.S. Department of Labor, Occupational Safety and Health Administration, contract no. J-9-F-4-0024, December 31, 1985, 393 pp.
II-I-5	Report, Final report on economic and technological profile related to OSHA's revised permanent asbestos standard for the construction industry and asbestos removal and routine maintenance projects in general industry: appendices, prepared by Consad Research Corporation, prepared for U.S. Department of Labor, Occupational Safety and Health Administration, contract no. J-9-F-4-0024, December 31, 1985, 239 pp.
II-I-6	Brochure, Recommended work procedures for resilient floor coverings, Resilient Floor Covering Institute, no. RFCI-WP-1980, revised 1987, 12 pp.
II-I-7	Article, And now, vermiculite, P. Fisette, Progressive Builder, July 1987, pp. 35-36.
II-I-8	Report, Building 611 demolition demonstration project, Stanley Engineering, Inc., prepared for Tulsa District Corps of Engineers, DERA project no. W50K001-402, July-August 1987, 496 pp.

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<u>Document No.</u>	<u>Description</u>
II-I-9	Report, Regulatory implications of the removal of Tremply 120 roofing material, Arthur D. Little, Inc., prepared for Hahn Loeser and Parks, Cleveland, Ohio, June 28, 1988, 9 pp.
II-I-10	Report, Evaluation of alternative removal methods for vinyl asbestos floor tile, Delisle Associates Ltd, September 1988, 22 pp.
II-I-11	Article, Negative air systems, D. Shagott, Asbestos Issues '88, September 1988, pp. 60, 62-69, 90.
II-I-12	Article, Asbestos floor tile removal techniques, R. Crandlemere et al., Asbestos Abatement, September/October 1988, pp. 25-33.
II-I-13	Report, Final report on the assessment of the public's risk of exposure to in-place asbestos, Westat, Inc. and Price Associates, Inc., prepared for City of New York, Department of Environmental Protection, December 1, 1988, 389 pp.
II-I-14	Bill, H.R. 3647, Safe Transportation of Food Act of 1989, 101st Congress, 1st session, November 14, 1989, 14 pp.
II-I-15	Report, Air monitoring study: sheet vinyl flooring removal- October 1988, Congoleum Corporation, Technical Operations Center, March 1989, 6 pp.
II-I-16	Brochure, Microscopy services for analysis of asbestos - fee schedule, Clayton Environmental Consultants, April 1989, 5 pp.
II-I-17	Article, Equipment update, J. Kynoch, Asbestos Issues '89, June 1989, pp. 56,59,60,62,63.
II-I-18	Reference, Statistical abstract of the United States: 1990, U.S. Department of Commerce, Bureau of the Census, 110th ed., 1990, pp. 409,413.
II-I-19	Report, North Carolina Bar Association economic survey, 1990, p. 5.

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<u>Document No.</u>	<u>Description</u>
II-I-20	Article, Short cuts, fast bucks and invisible dangers: is the food you are eating dusted with asbestos from your project?, P. Velazquez, Econ Environmental Contractor, vol. 5, no. 1, January 1990, pp. 16-17.
II-I-21	Report, Evaluation of exposure to airborne fibers during removal of resilient floor tiles using recommended work practices, Environ Corporation, prepared for Resilient Floor Covering Institute, Armstrong World Industries, Inc., The Flintkote Company, and GAF Corporation, January 31, 1990, 11 pp.
II-I-22	Article, Defining and selecting chemical mastic removers, D. Shagott, Econ Environmental Contractor, vol. 5, no. 2, February 1990, pp. 46,48,51,52.
II-I-23	Article, Floor tile and mastic removal: an increasing segment of the abatement industry, D. Kirby, Asbestos Abatement, March/April 1990, pp. 43-44.
II-I-24	Article, Economic indicators, Chemical Engineering, April 1990, p. 244.
II-I-25	Article, Economic indicators, Chemical Engineering, May 1990, p. 212.
II-I-26	Article, Economic indicators, Chemical Engineering, June 1990, p. 190.

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Category II
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Subcategory II-J
Miscellaneous Federal Register Notices
Published During Proposal Development

<u>Document No.</u>	<u>Description</u>
II-J-1	52 FR 15820, April 30, 1987, Asbestos-containing materials in schools: proposed rule.
II-J-2	52 FR 41426, October 30, 1987, Asbestos-containing materials in schools: final rule.
II-J-3	52 FR 41899, October 30, 1987, Asbestos-containing materials in schools; EPA approved courses under the Asbestos Hazard Emergency Response Act.
II-J-4	53 FR 33314, August 30, 1988, Solid waste disposal criteria: proposed rule.
II-J-5	53 FR 35610, September 14, 1988, Occupational exposure to asbestos, tremolite, anthophyllite and actinolite: final rules; amendment.
II-J-6	54 FR 29460, July 12, 1989, Asbestos; manufacture, importation, processing, and distribution in commerce prohibitions: final rule.
II-J-7	55 FR 3724, February 5, 1990, Occupational exposure to asbestos: final rule; partial response to court remand.
II-J-8	55 FR 4938, February 12, 1990, Occupational exposure to asbestos, tremolite, anthophyllite, and actinolite: notice of proposed rulemaking.
II-J-9	55 FR 5144, February 13, 1990, Asbestos; publication of identifying information.
II-J-10	55 FR 29712, July 20, 1990, Occupational exposure to asbestos, tremolite, anthophyllite, and actinolite: notice of proposed rulemaking and public hearing.

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